

- Abbott, W., Brett, A., Cockburn, E., & Clifford, T. (۲۰۱۹). Presleep casein protein ingestion: Acceleration of functional recovery in professional soccer players. *International Journal of Sports Physiology and Performance*, ۱۴(۳), ۲۸۰e۳۹۱. <https://doi.org/10.1123/ijspp.2018.0280>
- Achermann, P., & Borbély, A. A. (۱۹۸۷). Dynamics of EEG slow wave activity during physiological sleep and after administration of benzodiazepine hypnotics. *Human Neurobiology*, ۶(۳), ۲۰۳e۲۱۰.
- Agnew, H. W., Webb, W. B., & Williams, R. L. (۱۹۶۶). The first night effect: An EEG study of sleep. *Psychophysiology*, ۲(۳), ۲۶۳e۲۶۶. <https://doi.org/10.1111/j.1476-8986.1966.tb.260.x>
- Åkerstedt, T., Ghilotti, F., Grotta, A., Zhao, H., Adami, H. O., Trolle-Lagerros, Y., & Bellocco, R. (۲۰۱۹). Sleep duration and mortality - does weekend sleep matter? *Journal of Sleep Research*, ۲۸(۱), Article e۱۲۷۱۲. <https://doi.org/10.1111/jsr.12712>
- Allison, T. H., & van Twyver, H. (۱۹۷۰). The evolution of sleep. *Natural History*, ۷۹, ۵۶e۶۰.
- Almendros, I., Wang, Y., Becker, L., Lennon, F. E., Zheng, J., Coats, B. R., Schoenfelt, K. S., Carreras, A., Hakim, F., Zhang, S. X., Farré, R., & Gozal, D. (۲۰۱۴). Intermittent hypoxia-induced changes in tumor-associated macrophages and tumor malignancy in a mouse model of sleep apnea. *American Journal of Respiratory and Critical Care Medicine*, ۱۸۹(۵), ۵۹۳e۶۰۱. <https://doi.org/10.1164/rccm.201310-1833-OC>
- Anderson, K. N., Pilsworth, S., Sharples, L. D., Smith, I. E., & Shneerson, J. M. (۲۰۰۷). Idiopathic hypersomnia: A study of ۷۷ cases. *Sleep*, ۳۰(۱۰), ۱۲۷۴e۱۲۸۱. <https://doi.org/10.1093/sleep/30.10.1274>
- Arnal, P. J., Lapole, T., Erblang, M., Guillard, M., Bourrilhon, C., Léger, D., Chennaoui, M., & Millet, G. Y. (۲۰۱۶). Sleep extension before sleep loss: Effects on performance and neuromuscular function. *Medicine & Science in Sports & Exercise*, ۴۸(۸), ۱۵۹۵e۱۶۰۳. <https://doi.org/10.1249/MSS.0000000000000920>
- Arnulf, I. (۲۰۱۸). Sleepwalking. *Current Biology*, ۲۸(۲۲), R۱۲۸۸eR۱۲۸۹. <https://doi.org/10.1016/j.cub.2018.09.062>
- Arora, T., Broglia, E., Thomas, G. N., & Taheri, S. (۲۰۱۴). Associations between specific technologies and adolescent sleep quantity, sleep quality, and parasomnias. *Sleep Medicine*, ۱۵(۲), ۲۴۰e۲۴۷. <https://doi.org/10.1016/j.sleep.2013.08.099>
- Association, A. P. (۲۰۱۳). *Diagnostic and statistical manual of mental disorders* (۵th ed.). American Psychiatric Association.
- Ayalon, L., Ancoli-Israel, S., & Drummond, S. P. (۲۰۱۰). Obstructive sleep apnea and age: A double insult to brain function? *American Journal of Respiratory and Critical Care Medicine*, ۱۸۲(۳), ۴۱۳e۴۱۹. <https://doi.org/10.1164/rccm.200912-1800OC>
- Azboy, O., & Kaygisiz, Z. (۲۰۰۹). Effects of sleep deprivation on cardiorespiratory functions of the runners and volleyball players during rest and exercise. *Acta Physiologica Hungarica*, ۹۶(۱), ۲۹e۳۶. <https://doi.org/10.1007/APhysiol.96,2009,1,3>
- Barnes, C. L., McKenzie, C. A., Webster, K. D., & Poinsett-Holmes, K. (۱۹۹۳). Cetirizine: A new, non-sedating antihistamine. *The Annals of Pharmacotherapy*, ۲۷(۴), ۴۶۴e۴۷۰. <https://doi.org/10.1177/10762893270041420>
- Beersma, D. G., Dijk, D. J., Blok, C. G., & Everhardus, I. (۱۹۹۰). REM sleep deprivation during ۵ hours leads to an immediate REM sleep rebound and to suppression of non-REM sleep intensity. *Electroencephalography and Clinical Neurophysiology*, ۷۶(۲), ۱۱۴e۱۲۲. [https://doi.org/10.1161/0013-4794\(90\)9029-3](https://doi.org/10.1161/0013-4794(90)9029-3)
- Ben Simon, E., & Walker, M. P. (۲۰۱۸). Sleep loss causes social withdrawal and loneliness. *Nature Communications*, ۹(۱), ۳۱۴۶. <https://doi.org/10.1038/s41467-018-0377-0>
- Berger, K., Luedemann, J., Trenkwalder, C., John, U., & Kessler, C. (۲۰۰۴). Sex and the risk of restless legs syndrome in the general population. *Archives of Internal Medicine*, ۱۶۴(۲), ۱۹۶e۲۰۲. <https://doi.org/10.1001/archinte.164,2,196>

- Berger, R. J., & Phillips, N. H. (1990). Energy conservation and sleep. *Behavioural Brain Research*, 19(1e2), 10e12. [https://doi.org/10.1016/0166-4328\(90\)0002-b](https://doi.org/10.1016/0166-4328(90)0002-b)
- Besedovsky, L., Lange, T., & Haack, M. (2019). The sleep-immune crosstalk in health and disease. *Physiological Reviews*, 99(3), 1320e1380. <https://doi.org/10.1102/physrev.00010.2018>
- Bizzi, E., & Brooks, D. C. (1963). Functional connections between pontine reticular formation and lateral geniculate nucleus during deep sleep. *Archives Italiennes de Biologie*, 101, 116e180.
- Blaivas, A. J., Patel, R., Hom, D., Antigua, K., & Ashtyani, H. (2007). Quantifying microsleep to help assess subjective sleepiness. *Sleep Medicine*, 8(2), 107e109. <https://doi.org/10.1016/j.sleep.2006.06.011>
- Boivin, D. B., Montplaisir, J., & Poirier, G. (1989). The effects of L-dopa on periodic leg movements and sleep organization in narcolepsy. *Clinical Neuropharmacology*, 12(2), 339e350. <https://doi.org/10.1097/00002822-19890800000012>
- Boonstra, T. W., Stins, J. F., Daffertshofer, A., & Beek, P. J. (2007). Effects of sleep deprivation on neural functioning: An integrative review. *Cellular and Molecular Life Sciences*, 63(7e8), 935e956. <https://doi.org/10.1007/s00118-007-6507-8>
- Borbély, A. A. (1982). A two process model of sleep regulation. *Human Neurobiology*, 1(3), 190e205.
- Born, J. (2010). Slow-wave sleep and the consolidation of long-term memory. *World Journal of Biological Psychiatry*, 11(Suppl. 1), 16e21. <https://doi.org/10.3109/10622297103737137>
- Boutrel, B., Cannella, N., & de Lecea, L. (2010). The role of hypocretin in driving arousal and goal-oriented behaviors. *Brain Research*, 1315, 103e111. <https://doi.org/10.1016/j.brainres.2009.11.054>
- Brismar, K., Hylander, B., Eliasson, K., Rössner, S., & Wetterberg, L. (1988). Melatonin secretion related to side-effects of beta-blockers from the central nervous system. *Acta Medica Scandinavica*, 223(7), 520e530. <https://doi.org/10.1111/j.0904-6820.1988.tb17790.x>
- Bromberg-Martin, E. S., Matsumoto, M., & Hikosaka, O. (2010). Dopamine in motivational control: Rewarding, aversive, and alerting. *Neuron*, 68(2), 810e825. <https://doi.org/10.1016/j.neuron.2010.11.022>
- Brooks, A., & Lack, L. (2006). A brief afternoon nap following nocturnal sleep restriction: Which nap duration is most recuperative? *Sleep*, 29(7), 831e840. <https://doi.org/10.1093/sleep/29.7.831>
- Brownlow, J. A., Miller, K. E., & Gehrman, P. R. (2020). Insomnia and cognitive performance. *Sleep Medicine Clinics*, 12(1), 11e17. <https://doi.org/10.1016/j.jsmc.2019.10.002>
- Buysse, D. J. (2013). Insomnia. *JAMA*, 309(7), 767e776. <https://doi.org/10.1001/jama.2013.193>
- Buysse, D. J., Reynolds, C. F., Monk, T. H., Berman, S. R., & Kupfer, D. J. (1989). The Pittsburgh Sleep quality index: A new instrument for psychiatric practice and research. *Psychiatry Research*, 28(2), 193e213. [https://doi.org/10.1016/0165-1781\(89\)90047-4](https://doi.org/10.1016/0165-1781(89)90047-4)
- Cacioppo, J. T., Hughes, M. E., Waite, L. J., Hawkey, L. C., & Thisted, R. A. (2006). Loneliness as a specific risk factor for depressive symptoms: Cross-sectional and longitudinal analyses. *Psychology and Aging*, 21(1), 140e151. <https://doi.org/10.1037/0882-2974.21.1.140>
- Carskadon, M. A., & Dement, W. C. (1982). Nocturnal determinants of daytime sleepiness. *Sleep*, 5(Suppl. 2), S73eS81. <https://doi.org/10.1093/sleep/5.s2.s73>
- Casey, S. J., Solomons, L. C., Steier, J., Kabra, N., Burnside, A., Pengo, M. F., Moxham, J., Goldstein, L. H., & Kopelman, M. D. (2016). Slow wave and REM sleep deprivation effects on explicit and implicit memory during sleep. *Neuropsychology*, 30(8), 931e940. <https://doi.org/10.1037/neu0000314>
- Chervin, R. D., & Hedger, K. M. (2001). Clinical prediction of periodic leg movements during sleep in children. *Sleep Medicine*, 2(7), 501e510. [https://doi.org/10.1016/S1389-9457\(01\)0069-7](https://doi.org/10.1016/S1389-9457(01)0069-7)
- Chung, F., Yegneswaran, B., Liao, P., Chung, S. A., Vairavanathan, S., Islam, S., Khajehdehi, A., & Shapiro, C. M. (2008). STOP questionnaire: A tool to screen patients for obstructive sleep apnea. *Anesthesiology*, 108(2), 812e821. <https://doi.org/10.1097/ALN.0b013e31816d83e4>

Connelly, F., Johnsson, R. D., Aulsebrook, A. E., Mulder, R. A., Hall, M. L., Vyssotski, A. L., & Lesku, J. A. (2020). Urban noise restricts, fragments, and lightens sleep in Australian magpies. *Environmental Pollution*, 267, Article 110548. <https://doi.org/10.1016/j.envpol.2020.110548>

Creel, D. J. (2019). The electrooculogram. *Handbook of Clinical Neurology*, 160, 490e499. <https://doi.org/10.1016/B978-0-444-6432-1.0033-3>

Cunningham, J. E. A., Jones, S. A. H., Eskes, G. A., & Rusak, B. (2018). Acute sleep restriction has differential effects on components of attention. *Frontiers in Psychiatry*, 9, 499. <https://doi.org/10.3389/fpsy.2018.00499>

Daniel, L. C., Li, Y., Kloss, J. D., Reilly, A. F., & Barakat, L. P. (2016). The impact of dexamethasone and prednisone on sleep in children with acute lymphoblastic leukemia. *Supportive Care in Cancer*, 24(9), 3897e3906. <https://doi.org/10.1007/s00520-016-3234-y>

Datta, S. (2000). Avoidance task training potentiates phasic pontine-wave density in the rat: A mechanism for sleep-dependent plasticity. *Journal of Neuroscience*, 20(22), 8670e86713.

Datta, S., Siwek, D. F., Patterson, E. H., & Cipolloni, P. B. (1998). Localization of pontine PGO wave generation sites and their anatomical projections in the rat. *Synapse*, 3(2), 49e523. *Basics of sleep e-wake physiology for athletes and sports professionals*

Datta, S., Spoley, E. E., & Patterson, E. H. (2001). Microinjection of glutamate into the pedunculopontine tegmentum induces REM sleep and wakefulness in the rat. *American Journal of Physiology - Regulatory, Integrative and Comparative Physiology*, 280(3), R702eR709. <https://doi.org/10.1152/ajpregu.2001.280.3.R702>

Dáttilo, M., Antunes, H. K. M., Galbes, N. M. N., Mônico-Neto, M., DE Sá Souza, H., Dos Santos Quaresma, M. V. L., Lee, K. S., Ugrinowitsch, C., Tufik, S., & DE Mello, M. T. (2020). Effects of sleep deprivation on acute skeletal muscle recovery after exercise. *Medicine & Science in Sports & Exercise*, 52(2), 000e014. <https://doi.org/10.1249/MSS.0000000000002137>

Dewan, N. A., Nieto, F. J., & Somers, V. K. (2010). Intermittent hypoxemia and OSA: Implications for comorbidities. *Chest*, 137(1), 266e274. <https://doi.org/10.1377/chest.137-000>

Dietch, J. R., Sethi, K., Slavish, D. C., & Taylor, D. J. (2019). Validity of two retrospective questionnaire versions of the consensus sleep diary: The whole week and split week self-assessment of sleep surveys. *Sleep Medicine*, 23, 127e136. <https://doi.org/10.1016/j.sleep.2019.05.010>

Dinges, D. F., & Powell, J. W. (1990). Microcomputer analyses of performance on a portable, simple visual RT task during sustained operations. *Behavior Research Methods Instruments & Computers*, 17, 602e606.

El-Merahbi, R., Löffler, M., Mayer, A., & Sumara, G. (2010). The roles of peripheral serotonin in metabolic homeostasis. *FEBS Letters*, 589(10), 1728e1734. <https://doi.org/10.1016/j.febslet.2010.05.004>

Everson, C. A., Bergmann, B. M., & Rechtschaffen, A. (1989). Sleep deprivation in the rat: III. Total sleep deprivation. *Sleep*, 12(1), 13e21. <https://doi.org/10.1093/sleep/12.1.13>

Fraigne, J. J., Torontali, Z. A., Snow, M. B., & Peever, J. H. (2010). REM sleep at its core - circuits, neurotransmitters, and pathophysiology. *Frontiers in Neurology*, 1, 123. <https://doi.org/10.3389/fneur.2010.00123>

Frankland, P. W., & Bontempi, B. (2005). The organization of recent and remote memories. *Nature Reviews Neuroscience*, 7(2), 119e130. <https://doi.org/10.1038/nrn1677>

Freeman, D., Sheaves, B., Waite, F., Harvey, A. G., & Harrison, P. J. (2020). Sleep disturbance and psychiatric disorders. *The Lancet Psychiatry*, 7(7), 628e637. [https://doi.org/10.1016/S2210-0366\(20\)30136-X](https://doi.org/10.1016/S2210-0366(20)30136-X)

Fullagar, H. H., Skorski, S., Duffield, R., Hammes, D., Coutts, A. J., & Meyer, T. (2010). Sleep and athletic performance: The effects of sleep loss on exercise performance, and physiological and cognitive responses to exercise. *Sports Medicine*, 40(2), 161e186. <https://doi.org/10.1007/s12296-010-0260-0>

Fullagar, H. H., Skorski, S., Duffield, R., Julian, R., Bartlett, J., & Meyer, T. (2016). Impaired sleep and recovery after night matches in elite football players. *Journal of Sports Sciences*, 34(14), 1333e1339. <https://doi.org/10.1080/02643758.2016.1130249>

Garbarino, S., Nobili, L., & Costa, G. (2014). Sleepiness and human impact assessment. Springer.

Germain, A., Buysse, D. J., & Nofzinger, E. (2008). Sleep-specific mechanisms underlying posttraumatic stress disorder: Integrative review and neurobiological hypotheses. *Sleep Medicine Reviews*, 12(3), 180e190. <https://doi.org/10.1016/j.smrv.2007.09.003>

Gilad, G. M., Rabey, J. M., & Gilad, V. H. (1987). Presynaptic effects of glucocorticoids on dopaminergic and cholinergic synaptosomes. Implications for rapid endocrine-neural interactions in stress. *Life Sciences*, 40(20), 2401e2408. [https://doi.org/10.1016/0024-3208\(87\)90704-0](https://doi.org/10.1016/0024-3208(87)90704-0)

Goel, N., Rao, H., Durmer, J. S., & Dinges, D. F. (2009). Neurocognitive consequences of sleep deprivation. *Seminars in Neurology*, 29(4), 320e339. <https://doi.org/10.1006/s-0029-1237117>

Golbin, A. T.s., Guzeva, V. I., & Shepoval'nikov, A. N. (2013). Unusual behaviors in sleep as "compensatory" reactions, aimed at normalizing sleep alertness cycles. *Fiziologiya Cheloveka*, 39(7), 83e90.

Goldstein, A. N., & Walker, M. P. (2014). The role of sleep in emotional brain function. *Annual Review of Clinical Psychology*, 10, 779e798. <https://doi.org/10.1146/annurev-clinpsy-032813-103717>

Gorman, A. D., Abernethy, B., & Farrow, D. (2010). Evidence of different underlying processes in pattern recall and decision-making. *Quarterly Journal of Experimental Psychology A*, 63(9), 1813e1821. <https://doi.org/10.1080/17470218.2010.4992797>

Gottlieb, D. J., & Punjabi, N. M. (2010). Diagnosis and management of obstructive sleep apnea: A review. *JAMA*, 303(14), 1389e1400. <https://doi.org/10.1001/jama.2010.3014>

Grandner, M. A. (2017). Sleep, health, and society. *Sleep Medicine Clinics*, 12(1), 1e22. <https://doi.org/10.1016/j.jsmc.2016.10.012>

Grandner, M. A., Olivier, K., Gallagher, R., Hale, L., Barrett, M., Branas, C., Killgore, W. D. S., Parthasarathy, S., Gehrels, J. A., & Alfonso-Miller, P. (2010). Quantifying impact of real-world barriers to sleep: The brief index of sleep control (BRISC). *Sleep Health*, 6(2), 587e593. <https://doi.org/10.1016/j.sleh.2010.01.013>

Grandner, M. (2019). *Sleep and health* (1st ed.). Elsevier. Gronfier, C., Luthringer, R., Follenius, M., Schaltenbrand, N., Macher, J. P., Muzet, A., & Brandenberger, G. (1996). A quantitative evaluation of the relationships between growth hormone secretion and delta wave electroencephalographic activity during normal sleep and after enrichment in delta waves. *Sleep*, 19(10), 1176e1184. <https://doi.org/10.1093/sleep/19.10.1176>

Gupta, L., Morgan, K., North, C., & Gilchrist, S. (2010). Napping in high-performance athletes: Sleepiness or sleepability? *European Journal of Sport Science*, 10(1). <https://doi.org/10.1080/174471391.2010.11743760>

Haack, M., Lee, E., Cohen, D. A., & Mullington, J. M. (2009). Activation of the prostaglandin system in response to sleep loss in healthy humans: Potential mediator of increased spontaneous pain. *Pain*, 140(1e2), 137e143. <https://doi.org/10.1016/j.pain.2009.05.029>

Haack, M., Sanchez, E., & Mullington, J. M. (2007). Elevated inflammatory markers in response to prolonged sleep restriction are associated with increased pain experience in healthy volunteers. *Sleep*, 30(9), 1140e1152. <https://doi.org/10.1093/sleep/30.9.1140>

Hajak, G., Klingelhöfer, J., Schulz-Varzegi, M., Matzander, G., Sander, D., Conrad, B., & Rüther, E. (1994). Relationship between cerebral blood flow velocities and cerebral electrical activity in sleep. *Sleep*, 17(1), 11e19. <https://doi.org/10.1093/sleep/17.1.11>

Harvey, A. G. (2002). A cognitive model of insomnia. *Behaviour Research and Therapy*, 40(8), 879e893. [https://doi.org/10.1016/s0006-7967\(01\)00711-4](https://doi.org/10.1016/s0006-7967(01)00711-4)

Hobson, J. A., Stickgold, R., & Pace-Schott, E. F. (1998). The neuropsychology of REM sleep dreaming. *NeuroReport*, 9(3), R1eR14. <https://doi.org/10.1097/00006123-199802160000033>

Hudson, A. N., Van Dongen, H. P. A., & Honn, K. A. (2010). Sleep deprivation, vigilant attention, and brain function: A review. *Neuropsychopharmacology*, 40(1), 21e30. <https://doi.org/10.1038/s41386-019-0432-7>

Javaheri, S., Zhao, Y. Y., Punjabi, N. M., Quan, S. F., Gottlieb, D. J., & Redline, S. (2018). Slow-wave sleep is associated with incident hypertension: The sleep heart health study. *Sleep*, 41(1). <https://doi.org/10.1093/sleep/zsx179>

Johns, M. W. (1991). A new method for measuring daytime sleepiness: The epworth sleepiness scale. *Sleep*, 14(7), 540e545. <https://doi.org/10.1093/sleep/14.7.540>

Jones, B. E. (2020). Arousal and sleep circuits. *Neuropsychopharmacology*, 45(1), 7e20. <https://doi.org/10.1038/s41386-019-0444-2>

Ju, Y. S., Ooms, S. J., Sutphen, C., Macauley, S. L., Zangrilli, M. A., Jerome, G., Fagan, A. M., Mignot, E., Zempel, J. M., Claassen, J. A. H. R., & Holtzman, D. M. (2017). Slow wave sleep disruption increases cerebrospinal fluid amyloid- $\beta$  levels. *Brain*, 140(8), 2104e2111. <https://doi.org/10.1093/brain/awx148>

Kales, A., Soldatos, C. R., Bixler, E. O., Ladda, R. L., Charney, D. S., Weber, G., & Schweitzer, P. K. (1980). Hereditary factors in sleepwalking and night terrors. *British Journal of Psychiatry*, 137, 111e118. <https://doi.org/10.1192/bjp.137.2.111>

Killgore, W. D. (2010). Effects of sleep deprivation on cognition. *Progress in Brain Research*, 180, 10e129. <https://doi.org/10.1016/B978-0-08-03702-7.00007-0>

Kitamura, S., Katayose, Y., Nakazaki, K., Motomura, Y., Oba, K., Katsunuma, R., Terasawa, Y., Enomoto, M., Moriguchi, Y., Hida, A., & Mishima, K. (2016). Estimating individual optimal sleep duration and potential sleep debt. *Scientific Reports*, 6, Article 30812. <https://doi.org/10.1038/srep30812>

Klein, M. O., Battagello, D. S., Cardoso, A. R., Hauser, D. N., Bittencourt, J. C., & Correa, R. G. (2019). Dopamine: Functions, signaling, and association with neurological diseases. *Cellular and Molecular Neurobiology*, 39(1), 31e09. <https://doi.org/10.1007/s10571-018-0732-3>

Klingman, K. J., Jungquist, C. R., & Perlis, M. L. (2017). Introducing the sleep disorders symptom checklist-20: A primary care friendly and comprehensive screener for sleep disorders. *Sleep Medicine Research*, 4(1), 17e20.

Kripke, D. F. (2016). Mortality risk of hypnotics: Strengths and limits of evidence. *Drug Safety*, 39(2), 93e107. <https://doi.org/10.1007/s40267-010-0362-0>

Krueger, P. M., & Friedman, E. M. (2009). Sleep duration in the United States: A cross-sectional population-based study. *American Journal of Epidemiology*, 169(9), 1052e1063. <https://doi.org/10.1093/aje/kwp023>

Krupp, L. B., LaRocca, N. G., Muir-Nash, J., & Steinberg, A. D. (1989). The fatigue severity scale. Application to patients with multiple sclerosis and systemic lupus erythematosus. *Archives of Neurology*, 46(10), 1121e1123. <https://doi.org/10.1001/archneur.46.10.1121>

Kundermann, B., Sernal, J., Huber, M. T., Krieg, J. C., & Lautenbacher, S. (2004). Sleep deprivation affects thermal pain thresholds but not somatosensory thresholds in healthy volunteers. *Psychosomatic Medicine*, 66(6), 932e937. <https://doi.org/10.1097/PSY.0000000000000030>

Laberger, L., Tremblay, R. E., Vitaro, F., & Montplaisir, J. (2000). Development of parasomnias from childhood to early adolescence. *Pediatrics*, 106(1 Pt 1), 77e74. <https://doi.org/10.1093/peds.106.1.77>

Lau, E. Y., Wong, M. L., Lau, K. N., Hui, F. W., & Tseng, C. H. (2010). Rapid-eye-movement-sleep (REM) associated enhancement of working memory performance after a daytime nap. *PLoS One*, 5(5), Article e120702. <https://doi.org/10.1371/journal.pone.0120702>

Lavie, P., & Weler, B. (1989). Timing of naps: Effects on post-nap sleepiness levels. *Electroencephalography and Clinical Neurophysiology*, 72(3), 218e224. [https://doi.org/10.1156/0013-4794\(89\)90247-0](https://doi.org/10.1156/0013-4794(89)90247-0)

Le Bon, O., Staner, L., Hoffmann, G., Dramaix, M., San Sebastian, I., Murphy, J. R., Kentos, M., Pelc, I., & Linkowski, P. (2001). The first-night effect may last more than one night. *Journal of Psychiatric Research*, 30(3), 160e172. [https://doi.org/10.1016/S0022-3906\(01\)0019-X](https://doi.org/10.1016/S0022-3906(01)0019-X)

Leger, D. (1994). The cost of sleep-related accidents: A report for the national commission on sleep disorders research. *Sleep*, 17(1), 84e93. <https://doi.org/10.1093/sleep/17.1.84>

Legg, S. J., & Patton, J. F. (1987). Effects of sustained manual work and partial sleep deprivation on muscular strength and endurance. *European Journal of Applied Physiology and Occupational Physiology*, 56(1), 64e78. <https://doi.org/10.1007/BF00797378>

Leproult, R., & Van Cauter, E. (2010). Role of sleep and sleep loss in hormonal release and metabolism. *Endocrine Development*, 17, 11e21. <https://doi.org/10.1159/000262024>

Littner, M. R., Kushida, C., Wise, M., Davila, D. G., Morgenthaler, T., Lee-Chiong, T., Hirshkowitz, M., Daniel, L. L., Bailey, D., Berry, R. B., Kapen, S., Kramer, M., & Medicine, S.o. P. C.o. t. A. A.o. S. (2000). Practice parameters for clinical use of the multiple sleep latency test and the maintenance of wakefulness test. *Sleep*, 23(1), 113e121. <https://doi.org/10.1093/sleep/23.1.113>

Llorente, M. D., Currier, M. B., Norman, S. E., & Mellman, T. A. (1992). Night terrors in adults: Phenomenology and relationship to psychopathology. *The Journal of Clinical Psychiatry*, 53(11), 392e394.

Louis, M., & Punjabi, N. M. (2009). Effects of acute intermittent hypoxia on glucose metabolism in awake healthy volunteers. *Journal of Applied Physiology*, 106(5), 1034e1044. <https://doi.org/10.1152/jappphysiol.91022.2008>

Lu, Y., Ren, Q., Zong, L., Wu, Y., Zhang, Q., Ma, X., Pu, J., Dong, H., Liu, Q., Tang, Y., Song, L., Chen, X., Pan, X., & Cui, Y. (2014). Effects of sleep deprivation on polysomnography and executive function in patients with depression. *Chinese Medical Journal*, 127(18), 3229e3232.

Luke, A., Lazaro, R. M., Bergeron, M. F., Keyser, L., Benjamin, H., Brenner, J., d'Hemecourt, P., Grady, M., Philpott, J., & Smith, A. (2011). Sports-related injuries in youth athletes: Is overscheduling a risk factor? *Clinical Journal of Sport Medicine*, 21(4), 307e314. <https://doi.org/10.1097/JSM.0b013e318221af71>

Lyamin, O. I., Kosenko, P. O., Korneva, S. M., Vyssotski, A. L., Mukhametov, L. M., & Siegel, J. M. (2018). Fur seals suppress REM sleep for very long periods without subsequent rebound. *Current Biology*, 28(12), 2000e2002. <https://doi.org/10.1016/j.cub.2018.05.022>

Lyons, O. D., & Ryan, C. M. (2010). Sleep apnea and stroke. *Canadian Journal of Cardiology*, 26(7), 918e927. <https://doi.org/10.1016/j.cjca.2010.03.014>

Magidov, E., Hayat, H., Sharon, O., Andelman, F., Katzav, S., Lavie, P., Tauman, R., & Nir, Y. (2018). Near-total absence of REM sleep co-occurring with normal cognition: An update of the 1984 paper. *Sleep Medicine*, 22, 134e137. <https://doi.org/10.1016/j.sleep.2018.09.003>

Maislin, G., Pack, A. I., Kribbs, N. B., Smith, P. L., Schwartz, A. R., Kline, L. R., Schwab, R. J., & Dinges, D. F. (1990). A survey screen for prediction of apnea. *Sleep*, 13(3), 108e116. <https://doi.org/10.1093/sleep/13.3.108>

Manly, T., Dobler, V. B., Dodds, C. M., & George, M. A. (2000). Rightward shift in spatial awareness with declining alertness. *Neuropsychologia*, 38(12), 1721e1728. <https://doi.org/10.1016/j.neuropsychologia.2000.02.009>

Martin, J. M., Andriano, D. W., Mota, N. B., Mota-Rolim, S. A., Araújo, J. F., Solms, M., & Ribeiro, S. (2020). Structural differences between REM and non-REM dream reports assessed by graph analysis. *PLoS One*, 15(7), Article e0228903. <https://doi.org/10.1371/journal.pone.0228903>

Maspero, C., Giannini, L., Galbiati, G., Rosso, G., & Farronato, G. (2010). Obstructive sleep apnea syndrome: A literature review. *Minerva Stomatologica*, 74(2), 97e109.

Mawe, G. M., & Hoffman, J. M. (2013). Serotonin signalling in the gut—functions, dysfunctions and therapeutic targets. *Nature Reviews Gastroenterology & Hepatology*, 9(8), 473e486. <https://doi.org/10.1038/nrgastro.2013.100>

McHill, A. W., & Chinoy, E. D. (2020). Utilizing the National Basketball Association's COVID-19 restart “bubble” to uncover the impact of travel and circadian disruption on athletic performance. *Scientific Reports*, 10(1), Article 21827. <https://doi.org/10.1038/s41598-020-78901-2>

Mellman, T. A., & Hipolito, M. M. (2006). Sleep disturbances in the aftermath of trauma and posttraumatic stress disorder. *CNS Spectrums*, 11(8), 611e610. <https://doi.org/10.1177/s1092802900137673>

Meneses, A., Perez-Garcia, G., Ponce-Lopez, T., Tellez, R., & Castillo, C. (2011). Serotonin transporter and memory. *Neuropharmacology*, 61(3), 300e313. <https://doi.org/10.1016/j.neuropharm.2011.01.018>

Michely, J., Eldar, E., Martin, I. M., & Dolan, R. J. (2020). A mechanistic account of serotonin's impact on mood. *Nature Communications*, 11(1), 2330. <https://doi.org/10.1038/s41467-020-16909-2>

Mieda, M. (2017). The roles of orexins in sleep/wake regulation. *Neurosciences Research*, 118, 56e60. <https://doi.org/10.1016/j.neures.2017.03.010>

Milledge, J. S., & Stott, F. D. (1977). Inductive plethysmography—a new respiratory transducer [proceedings]. *The Journal of Physiology*, 277(1), 4PeP. Mims, K. N., & Kirsch, D. (2016). Sleep and stroke. *Sleep Medicine Clinics*, 11(1), 39e51. <https://doi.org/10.1016/j.jsmc.2015.10.009>

Mirza, M., Shen, W. K., Sofi, A., Tran, C., Jahangir, A., Sultan, S., Khan, U., Viqar, M., & Cho, C. (2013). Frequent periodic leg movement during sleep is an unrecognized risk factor for

progression of atrial fibrillation. PLoS One, 14(1), Article e0143099.  
<https://doi.org/10.1371/journal.pone.0143099>

Miyazaki, S., Uchida, S., Mukai, J., & Nishihara, K. (2014). Clonidine effects on all-night human sleep: Opposite action of low- and medium-dose clonidine on human NREM-REM sleep proportion. *Psychiatry and Clinical Neuroscience*, 78(2), 137e144. <https://doi.org/10.1111/j.1449-2003.1207.x>

Mônico-Neto, M., Dáttilo, M., Ribeiro, D. A., Lee, K. S., de Mello, M. T., Tufik, S., & Antunes, H. K. M. (2017). REM sleep deprivation impairs muscle regeneration in rats. *Growth Factors*, 30(1), 12e18. <https://doi.org/10.1080/08977194.2017.1314277>

Monti, J. M. (2011). Serotonin control of sleep-wake behavior. *Sleep Medicine Reviews*, 10(4), 269e281. <https://doi.org/10.1016/j.smrv.2010.11.003>

Montplaisir, J., Boucher, S., Poirier, G., Lavigne, G., Lapierre, O., & Lespérance, P. (1997). Clinical, polysomnographic, and genetic characteristics of restless legs syndrome: A study of 133 patients diagnosed with new standard criteria. *Movement Disorders*, 12(1), 71e70. <https://doi.org/10.1002/mds.870120111>

Moriguchi, T., Sakurai, T., Nambu, T., Yanagisawa, M., & Goto, K. (1999). Neurons containing orexin in the lateral hypothalamic area of the adult rat brain are activated by insulin-induced acute hypoglycemia. *Neuroscience Letters*, 264(1e3), 101e104. [https://doi.org/10.1016/s.304-3940\(99\)00177-9](https://doi.org/10.1016/s.304-3940(99)00177-9)

Morin, C. M., Belleville, G., Bélanger, L., & Ivers, H. (2011). The insomnia severity index: Psychometric indicators to detect insomnia cases and evaluate treatment response. *Sleep*, 34(8), 701e708. <https://doi.org/10.1093/sleep/34.8.701>

Mougin, F., Simon-Rigaud, M. L., Davenne, D., Renaud, A., Garnier, A., & Magnin, P. (1990). Influence of partial sleep deprivation on athletic performance. *Science & Sports*, 9(2), 83e90.

Muraki, I., Wada, H., & Tanigawa, T. (2018). Sleep apnea and type 2 diabetes. *Journal of Diabetes Investigation*, 9(8), 991e997. <https://doi.org/10.1111/jdi.12822>

Myers, R. D. (1981). Serotonin and thermoregulation: Old and new views. *Journal de Physiologie*, 77(2e3), 500e513.

Naiman, R. (2017). Dreamless: The silent epidemic of REM sleep loss. *Annals of the New York Academy of Sciences*, 1406(1), 77e80. <https://doi.org/10.1111/nyas.13447>

Neikrug, A. B., Crawford, M. R., & Ong, J. C. (2017). Behavioral sleep medicine services for hypersomnia disorders: A survey study. *Behavioral Sleep Medicine*, 10(2), 108e117. <https://doi.org/10.1080/10842002.2015.1122011>

Nieto-Alamilla, G., Márquez-Gómez, R., García-Gálvez, A. M., Morales-Figueroa, G. E., & Arias-Montaño, J. A. (2016). The histamine H<sub>2</sub> receptor: Structure, pharmacology, and function. *Molecular Pharmacology*, 90(8), 749e753. <https://doi.org/10.1124/mol.116.104702>

Nuwer, M. R. (1990). Paperless electroencephalography. *Seminars in Neurology*, 10(2), 178e184. <https://doi.org/10.1006/s-2008-1041277>

Ogilvie, R. P., & Patel, S. R. (2017). The epidemiology of sleep and obesity. *Sleep Health*, 3(8), 283e288. <https://doi.org/10.1016/j.sleh.2017.07.013>

Ohayon, M. M., O'Hara, R., & Vitiello, M. V. (2012). Epidemiology of restless legs syndrome: A synthesis of the literature. *Sleep Medicine Reviews*, 16(4), 283e290. <https://doi.org/10.1016/j.smrv.2011.08.002>

Olaithe, M., Bucks, R. S., Hillman, D. R., & Eastwood, P. R. (2018). Cognitive deficits in obstructive sleep apnea: Insights from a meta-review and comparison with deficits observed in COPD, insomnia, and sleep deprivation. *Sleep Medicine Reviews*, 38, 39e49. <https://doi.org/10.1016/j.smrv.2017.03.005>

Olivier, K., Gallagher, R. A., Killgore, W. D. S., Carrasco, N., Alfonso-Miller, P., Gehrels, J., & Grandner, M. A. (2016). Development and initial validation of the assessment of sleep environment: A novel inventory for describing and quantifying the impact of environmental factors on sleep. *Sleep*, 39, 377 (Abstract Supplement).

Pace-Schott, E. F., Milad, M. R., Orr, S. P., Rauch, S. L., Stickgold, R., & Pitman, R. K. (2009). Sleep promotes generalization of extinction of conditioned fear. *Sleep*, 32(1), 19e27.

Pardridge, W. M. (1979). The role of blood-brain barrier transport of tryptophan and other neutral amino acids in the regulation of substrate-limited pathways of brain amino acid metabolism.

Journal of Neural Transmission Supplementum, (10), 43004. [https://doi.org/10.1007/978-3-70-91-2243-3\\_4](https://doi.org/10.1007/978-3-70-91-2243-3_4)

Parker, K. P., & Rye, D. B. (2002). Restless legs syndrome and periodic limb movement disorder. *Nursing Clinics of North America*, 37(4), 600e673. [https://doi.org/10.1016/s.029-7460\(02\)0031-2](https://doi.org/10.1016/s.029-7460(02)0031-2)

Partinen, M., & Hublin, C. (2000). Epidemiology of sleep disorders. In M. H. Kryger, T. Roth, & W. C. Dement (Eds.), *Principles and practice of sleep medicine* (4th ed., pp. 126e147). W B Saunders.

Patel, P. C. (2019). Light pollution and insufficient sleep: Evidence from the United States. *American Journal of Human Biology*, 31(6), Article e23300. <https://doi.org/10.1002/ajhb.23300>

Patil, S. P., Ayappa, I. A., Caples, S. M., Kimoff, R. J., Patel, S. R., & Harrod, C. G. (2019). Treatment of adult obstructive sleep apnea with positive airway pressure: An American academy of sleep medicine clinical practice guideline. *Journal of Clinical Sleep Medicine*, 10(2), 230e243. <https://doi.org/10.5664/jcsm.7640>

Patrick, Y., Lee, A., Raha, O., Pillai, K., Gupta, S., Sethi, S., Mukeshimana, F., Gerard, L., Moghal, M. U., Saleh, S. N., Smith, S. F., Morrell, M. J., & Moss, J. (2017). Effects of sleep deprivation on cognitive and physical performance in university students. *Sleep and Biological Rhythms*, 10(3), 217e220. <https://doi.org/10.1007/s4110-017-0099-0>

Patton, J. F., Vogel, J. A., Damokosh, A. I., & Mello, R. P. (1989). Effects of continuous military operations on physical fitness capacity and physical performance. *Work & Stress*, 3(1), 79e77.

Peppard, P. E., Young, T., Barnett, J. H., Palta, M., Hagen, E. W., & Hla, K. M. (2013). Increased prevalence of sleep-disordered breathing in adults. *American Journal of Epidemiology*, 177(9), 1007e1014. <https://doi.org/10.1093/aje/kws342>

Pires, G. N., Bezerra, A. G., Tufik, S., & Andersen, M. L. (2016). Effects of acute sleep deprivation on state anxiety levels: A systematic review and meta-analysis. *Sleep Medicine*, 24, 109e118. <https://doi.org/10.1016/j.sleep.2016.07.019>

Poggiogalle, E., Jamshed, H., & Peterson, C. M. (2018). Circadian regulation of glucose, lipid, and energy metabolism in humans. *Metabolism*, 84, 11e27. <https://doi.org/10.1016/j.metabol.2017.11.017>

Rechtschaffen, A., Bergmann, B. M., Gilliland, M. A., & Bauer, K. (1999). Effects of method, duration, and sleep stage on rebounds from sleep deprivation in the rat. *Sleep*, 22(1), 11e31. <https://doi.org/10.1093/sleep/22.1.11>

Rechtschaffen, A., & Kales, A. (1968). A manual of standardized terminology, techniques and scoring system for sleep stages of human subjects. USGPO.

Rechtschaffen, A., & Verdone, P. (1964). Amount of dreaming: Effect of incentive, adaptation to laboratory, and individual differences. *Perceptual & Motor Skills*, 19, 947e908. <https://doi.org/10.2466/pms.1964.19.3.947>

Reilly, T., & Piercy, M. (1994). The effect of partial sleep deprivation on weight-lifting performance. *Ergonomics*, 37(1), 107e110. <https://doi.org/10.1080/00140139408967324>

Reilly, T., Waterhouse, J., & Edwards, B. (2000). Jet lag and air travel: Implications for performance. *Clinics in Sports Medicine*, 24(2), 377e380. <https://doi.org/10.1016/j.csm.2004.12.004>

Res, P. T., Groen, B., Pennings, B., Beelen, M., Wallis, G. A., Gijzen, A. P., Senden, J. M., & Van Loon, L. J. (2012). Protein ingestion before sleep improves post exercise overnight recovery. *Medicine & Science in Sports & Exercise*, 44(8), 1060e1069. <https://doi.org/10.1249/MSS.0b013e31824cc373>

Reynolds, C. F., Monk, T. H., Hoch, C. C., Jennings, J. R., Buysse, D. J., Houck, P. R., Jarrett, D. B., & Kupfer, D. J. (1991). Electroencephalographic sleep in the healthy "old old": A comparison with the "young old" in visually scored and automated measures. *Journal of Gerontology*, 46(2), M39eM46. <https://doi.org/10.1093/geronj/46.2.m39>

Rizek, P., & Kumar, N. (2017). Restless legs syndrome. *Canadian Medical Association Journal*, 189(6), E240. <https://doi.org/10.1503/cmaj.16027>

Romigi, A., Vitrani, G., Lo Giudice, T., Centonze, D., & Franco, V. (2018). Profile of pitolisant in the management of narcolepsy: Design, development, and place in therapy. *Drug Design, Development and Therapy*, 12, 2660e2670. <https://doi.org/10.2147/DDDT.S101140>

- Rosen, I. M., Gimotty, P. A., Shea, J. A., & Bellini, L. M. (2006). Evolution of sleep quantity, sleep deprivation, mood disturbances, empathy, and burnout among interns. *Academic Medicine*, 81(1), 82e80. <https://doi.org/10.1097/00001888-200601000-00020>.
- Saper, C. B., Fuller, P. M., Pedersen, N. P., Lu, J., & Scammell, T. E. (2010). Sleep state switching. *Neuron*, 68(6), 1023e1024. <https://doi.org/10.1016/j.neuron.2010.11.032>
- Scammell, T. E., Jackson, A. C., Franks, N. P., Wisden, W., & Dauvilliers, Y. (2019). Histamine: Neural circuits and new medications. *Sleep*, 42(1). <https://doi.org/10.1093/sleep/zsy182>
- Scammell, T. E. (2010). Narcolepsy. *New England Journal of Medicine*, 363(22), 2604e2612. <https://doi.org/10.1056/NEJMr100087>
- Schmid, S. M., Hallschmid, M., Jauch-Chara, K., Born, J., & Schultes, B. (2008). A single night of sleep deprivation increases ghrelin levels and feelings of hunger in normal-weight healthy men. *Journal of Sleep Research*, 17(3), 331e334. <https://doi.org/10.1111/j.1370-2879.2008.01662.x>
- Schredl, M., Berres, S., Klingauf, A., Schellhaas, S., & Goritz, A. S. (2012). The Mannheim Dream questionnaire (MADRE): Retest reliability, age and gender effects. *International Journal of Dream Research*, 5(2), 141e147.
- Schwartz, M. D., & Kilduff, T. S. (2010). The neurobiology of sleep and wakefulness. *Psychiatric Clinics of North America*, 34(4), 610e644. <https://doi.org/10.1016/j.psc.2010.07.002>
- Scott, J. P., & McNaughton, L. R. (2004). Sleep deprivation, energy expenditure and cardiorespiratory function. *International Journal of Sports Medicine*, 25(6), 421e426. <https://doi.org/10.1007/s-2004-810840>
- Shechter, A., Kim, E. W., St-Onge, M. P., & Westwood, A. J. (2018). Blocking nocturnal blue light for insomnia: A randomized controlled trial. *Journal of Psychiatric Research*, 96, 196e202. <https://doi.org/10.1016/j.jpsychires.2017.10.010>
- Short, M. A., Weber, N., Reynolds, C., Coussens, S., & Carskadon, M. A. (2018). Estimating adolescent sleep need using dose-response modeling. *Sleep*, 41(4). <https://doi.org/10.1093/sleep/zsy011>
- Silverberg, D. S., Oksenberg, A., & Iaina, A. (1998). Sleep-related breathing disorders as a major cause of essential hypertension: Fact or fiction? *Current Opinion in Nephrology and Hypertension*, 7(4), 302e307. <https://doi.org/10.1097/00004502-199807000-00011>
- Silvestri Hunter, A. (2018). REM deprivation but not sleep fragmentation produces a sex-specific impairment in extinction. *Physiology & Behavior*, 196, 84e94.
- Smith, M. T., McCrae, C. S., Cheung, J., Martin, J. L., Harrod, C. G., Heald, J. L., & Carden, K. A. (2018). Use of actigraphy for the evaluation of sleep disorders and circadian rhythm sleep-wake disorders: An American academy of sleep medicine clinical practice guideline. *Journal of Clinical Sleep Medicine*, 14(7), 1231e1237. <https://doi.org/10.5664/jcsm.7230>
- Spielman, A. J., Caruso, L. S., & Glovinsky, P. B. (1987). A behavioral perspective on insomnia treatment. *Psychiatric Clinics of North America*, 10(4), 610e623.
- Spoormaker, V. I., & Montgomery, P. (2008). Disturbed sleep in post-traumatic stress disorder: Secondary symptom or core feature? *Sleep Medicine Reviews*, 12(3), 169e184. <https://doi.org/10.1016/j.smrv.2007.08.004>
- Stallknecht, B., Vissing, J., & Galbo, H. (1998). Lactate production and clearance in exercise. Effects of training. A mini-review. *Scandinavian Journal of Medicine & Science in Sports*, 8(2), 127e131. <https://doi.org/10.1111/j.1600-8388.1998.tb0181.x>
- Stallman, H. M., & Kohler, M. (2016). Prevalence of sleepwalking: A systematic review and meta-analysis. *PLoS One*, 11(11), Article e164769. <https://doi.org/10.1371/journal.pone.0164769>
- Tefft, B. C. (2018). Acute sleep deprivation and culpable motor vehicle crash involvement. *Sleep*, 41(10). <https://doi.org/10.1093/sleep/zsy144>
- Tempesta, D., Succi, V., De Gennaro, L., & Ferrara, M. (2018). Sleep and emotional processing. *Sleep Medicine Reviews*, 40, 183e190. <https://doi.org/10.1016/j.smrv.2017.12.000>
- Thorpy, M. J., & Krieger, A. C. (2014). Delayed diagnosis of narcolepsy: Characterization and impact. *Sleep Medicine*, 15(5), 520e527. <https://doi.org/10.1016/j.sleep.2014.01.010>
- Tobaldini, E., Pecis, M., & Montano, N. (2014). Effects of acute and chronic sleep deprivation on cardiovascular regulation. *Archives Italiennes de Biologie*, 152(2e3), 131e140. <https://doi.org/10.12871/000298292.14230>

Trenkwalder, C., Allen, R., Högl, B., Paulus, W., & Winkelmann, J. (2016). Restless legs syndrome associated with major diseases: A systematic review and new concept. *Neurology*, 86(14), 1337e1343. <https://doi.org/10.1212/WNL.0000000000002042>

Trenkwalder, C., Hening, W. A., Montagna, P., Oertel, W. H., Allen, R. P., Walters, A. S., Costa, J., Stiasny-Kolster, K., & Sampaio, C. (2008). Treatment of restless legs syndrome: An evidence-based review and implications for clinical practice. *Movement Disorders*, 23(16), 2267e2302. <https://doi.org/10.1002/mds.22204>

Trotti, L. M. (2017). Idiopathic hypersomnia. *Sleep Medicine Clinics*, 12(3), 331e344. <https://doi.org/10.1016/j.jsmc.2017.03.009>

Tuomilehto, H., Vuorinen, V. P., Penttilä, E., Kivimäki, M., Vuorenmaa, M., Venojärvi, M., Airaksinen, O., & Pihlajamäki, J. (2017). Sleep of professional athletes: Underexploited potential to improve health and performance. *Journal of Sports Sciences*, 35(7), 704e710. <https://doi.org/10.1080/02643758.2017.1311671>

Vaccaro, A., Kaplan Dor, Y., Nambara, K., Pollina, E. A., Lin, C., Greenberg, M. E., & Rogulja, D. (2020). Sleep loss can cause death through accumulation of reactive oxygen species in the gut. *Cell*, 181(6), 1307e1328. <https://doi.org/10.1016/j.cell.2020.04.049>

Van Cauter, E. (2000). Slow wave sleep and release of growth hormone. *JAMA*, 284(21), 2717e2718.

Varga, A. W., Kang, M., Ramesh, P. V., & Klann, E. (2014). Effects of acute sleep deprivation on motor and reversal learning in mice. *Neurobiology of Learning and Memory*, 114, 217e222. <https://doi.org/10.1016/j.nlm.2014.07.001>

Vargas, I., & Lopez-Duran, N. (2017). Investigating the effect of acute sleep deprivation on hypothalamic-pituitary-adrenal-axis response to a psycho-social stressor. *Psychoneuroendocrinology*, 79, 1e8. <https://doi.org/10.1016/j.psyneuen.2017.01.034>

Vargas, I., Payne, J. D., Muench, A., Kuhlman, K. R., & Lopez-Duran, N. L. (2019). Acute sleep deprivation and the selective consolidation of emotional memories. *Learning & Memory*, 26(6), 177e181. <https://doi.org/10.1101/lm.49312.2019>

Venkateshiah, S. B., & Ioachimescu, O. C. (2010). Restless legs syndrome. *Critical Care Clinics*, 21(3), 499e512. <https://doi.org/10.1016/j.ccc.2010.03.003>

Walker, J. M., Walker, L. E., Harris, D. V., & Berger, R. J. (1983). Cessation of thermoregulation during REM sleep in the pocket mouse. *American Journal of Physiology*, 245(1), R114eR118. <https://doi.org/10.1152/ajpregu.1983.245.1.R114>

Wamsley, E., Donjacour, C. E., Scammell, T. E., Lammers, G. J., & Stickgold, R. (2014). Delusional confusion of dreaming and reality in narcolepsy. *Sleep*, 37(2), 219e222. <https://doi.org/10.5662/sleep.2328>

Wei, Y., Krishnan, G. P., & Bazhenov, M. (2016). Synaptic mechanisms of memory consolidation during sleep slow oscillations. *Journal of Neuroscience*, 36(10), 2931e2947. <https://doi.org/10.1523/JNEUROSCI.3648-10.2016>

Wichniak, A., Wierzbicka, A., Walecka, M., & Jernajczyk, W. (2017). Effects of antidepressants on sleep. *Current Psychiatry Reports*, 19(9), 63. <https://doi.org/10.1007/s11920-017-0817-4>

Williamson, A. M., & Feyer, A. M. (2000). Moderate sleep deprivation produces impairments in cognitive and motor performance equivalent to legally prescribed levels of alcohol intoxication. *Occupational and Environmental Medicine*, 57(10), 749e755. <https://doi.org/10.1136/oem.57.10.749>

Wilson, R. S., Krueger, K. R., Arnold, S. E., Schneider, J. A., Kelly, J. F., Barnes, L. L., Tang, Y., & Bennett, D. A. (2007). Loneliness and risk of Alzheimer disease. *Archives of General Psychiatry*, 64(2), 234e240. <https://doi.org/10.1001/archpsyc.64.2.234>

Wisden, W., Yu, X., & Franks, N. P. (2019). GABA receptors and the pharmacology of sleep. *Handbook of Experimental Pharmacology*, 203, 279e304. <https://doi.org/10.1007/978-2-017-05711-4>

Woznica, A. A., Carney, C. E., Kuo, J. R., & Moss, T. G. (2010). The insomnia and suicide link: Toward an enhanced understanding of this relationship. *Sleep Medicine Reviews*, 22, 37e46. <https://doi.org/10.1016/j.smr.2014.10.004>

- Wright, J. E., Vogel, J. A., Sampson, J. B., Knapik, J. J., Patton, J. F., & Daniels, W. L. (1983). Effects of travel across time zones (jet-lag) on exercise capacity and performance. *Aviation Space & Environmental Medicine*, 54(2), 132e137.
- Xu, F., Yang, N., Liu, S. Y., Wei, Y. F., Zhen, J. Y., Tian, Y. Y., Zhou, Y., Yang, Q., Liang, Y. H., Yue, T. P., & Lin, L. X. (2018). Effect of long-term deep slow-wave sleep deprivation on the reproductive system in male rats. *Zhonghua Lao Dong Wei Sheng Zhi Ye Bing Za Zhi*, 36(8), 880e889. <https://doi.org/10.3760/cma.j.issn.1001-9391.2018.08.000>
- Yaffe, K., Laffan, A. M., Harrison, S. L., Redline, S., Spira, A. P., Ensrud, K. E., Ancoli-Israel, S., & Stone, K. L. (2011). Sleep-disordered breathing, hypoxia, and risk of mild cognitive impairment and dementia in older women. *JAMA*, 306(6), 613e619. <https://doi.org/10.1001/jama.2011.1110>
- Yang, B., Wang, Y., Cui, F., Huang, T., Sheng, P., Shi, T., Huang, C., Lan, Y., & Huang, Y. N. (2018). Association between insomnia and job stress: A meta-analysis. *Sleep and Breathing*, 22(4), 1221e1231. <https://doi.org/10.1007/s11320-018-1682-y>
- Yang, D. F., Shen, Y. L., Wu, C., Huang, Y. S., Lee, P. Y., Er, N. X., Huang, W. C., & Tung, Y. T. (2019). Sleep deprivation reduces the recovery of muscle injury induced by high-intensity exercise in a mouse model. *Life Sciences*, 230, Article 116830. <https://doi.org/10.1016/j.lfs.2019.116830>
- Yanguas, J., Pinazo-Henandis, S., & Tarazona-Santabalbina, F. J. (2018). The complexity of loneliness. *Acta BioMedica*, 89(2), 302e314. <https://doi.org/10.23750/abm.v89i2.7404>
- Yin, D., Dong, H., Wang, T. X., Hu, Z. Z., Cheng, N. N., Qu, W. M., & Huang, Z. L. (2019). Glutamate activates the histaminergic tuberomammillary nucleus and increases wakefulness in rats. *Neuroscience*, 413, 86e98. <https://doi.org/10.1016/j.neuroscience.2019.05.032>

## منابع فصل دوم

- Abbott, S. M., Reid, K. J., & Zee, P. C. (2017). Chapter 40 - circadian disorders of the sleep-wake cycle. In M. Kryger, T. Roth, & W. C. Dement (Eds.), *Principles and practice of sleep medicine* (7th ed., pp. 414e423.e0). Elsevier. <https://doi.org/10.1016/B978-0-323-24288-2.00040-4>
- Ancoli-Israel, S. (2009). Sleep and its disorders in aging populations. *Sleep Medicine, The Art of Good Sleep Proceedings from the 11th International Sleep Disorders Forum: Sleep and Society*, 10, S7eS11. <https://doi.org/10.1016/j.sleep.2009.07.004>
- Antunes, L. C., Levandovski, R., Dantas, G., Caumo, W., & Hidalgo, M. P. (2010). Obesity and shift work: Chronobiological aspects. *Nutrition Research Reviews*, 23, 100e118. <https://doi.org/10.1017/S0954579410000116>
- Arjona, A., & Sarkar, D. K. (2008). Are circadian rhythms the code of hypothalamic-immune communication? Insights from natural killer cells. *Neurochemical Research*, 33, 708e718. <https://doi.org/10.1007/s11064-007-9001-z>
- Arjona, A., & Sarkar, D. K. (2006). Evidence supporting a circadian control of natural killer cell function. *Brain, Behavior, and Immunity*, 20, 479e476. <https://doi.org/10.1016/j.bbi.2005.10.002>
- Bøggild, H., & Knutsson, A. (1999). Shift work, risk factors and cardiovascular disease. *Scandinavian Journal of Work, Environment & Health*, 25, 80e99. <https://doi.org/10.5271/sjweh.410>
- Baron, K. G., & Reid, K. J. (2014). Circadian misalignment and health. *International Review of Psychiatry*, 26, 139e154. <https://doi.org/10.3109/09638237.2014.911149>
- Beesley, S., Noguchi, T., & Welsh, D. K. (2016). Cardiomyocyte circadian oscillations are cell-autonomous, amplified by b-adrenergic signaling, and synchronized in cardiac ventricle tissue. *PLoS One*, 11, Article e0159618. <https://doi.org/10.1371/journal.pone.0159618>
- Biello, S. M. (2009). Circadian clock resetting in the mouse changes with age. *Age*, 31, 293e303. <https://doi.org/10.1007/s11350-009-9102-y>

Biggi, N., Consonni, D., Galluzzo, V., Sogliani, M., & Costa, P. G. (2008). Metabolic syndrome in permanent night workers. *Chronobiology International*, 20, 443-450.

<https://doi.org/10.1080/07420520802114193>

Blask, D. E., Brainard, G. C., Dauchy, R. T., Hanifin, J. P., Davidson, L. K., Krause, J. A., Sauer, L. A., Rivera-Bermudez, M. A., Dubocovich, M. L., Jasser, S. A., Lynch, D. T., Rollag, M. D., & Zalatan, F. (2005). Melatonin-depleted blood from premenopausal women exposed to light at night stimulates growth of human breast cancer xenografts in nude rats. *Cancer Research*, 65, 1117-1124.

<https://doi.org/10.1158/0008-5472.CAN-05-1940>

Boden, G., Ruiz, J., Urbain, J. L., & Chen, X. (1996). Evidence for a circadian rhythm of insulin secretion. *American Journal of Physiology. Endocrinology and Metabolism*, 271, E26-E32.

<https://doi.org/10.1152/ajpendo.1996.271.2.E26>

Boivin, D. B., James, F. O., Santo, J. B., Caliyurt, O., & Chalk, C. (2003). Non-24-hour sleepwake syndrome following a car accident. *Neurology*, 61, 181-183.

<https://doi.org/10.1212/01.WNL.0000061482.24700.7C>

Brown, F. M., Neft, E. E., & LaJambe, C. M. (2008). Collegiate rowing crew performance varies by morningness-eveningness. *The Journal of Strength & Conditioning Research*, 22, 189-190.

<https://doi.org/10.1019/JSC.0b013e318187034c>

Brzezinski, A. (1997). Melatonin in humans. *New England Journal of Medicine*, 337, 187-190.

<https://doi.org/10.1056/NEJM1997.11.16.337.03.7>

Buhr, E. D., & Takahashi, J. S. (2003). Molecular components of the mammalian circadian clock. *Handbook of Experimental Pharmacology*, 187, 1-14.

[https://doi.org/10.1007/978-3-76-220900-0\\_1](https://doi.org/10.1007/978-3-76-220900-0_1)

Bulluck, H., Nicholas, J., Crimi, G., White, S. K., Ludman, A. J., Pica, S., Raineri, C., Cabrera-Fuentes, H. A., Yellon, D., Rodriguez-Palomares, J., Garcia-Dorado, D., & Hausenloy, D. J. (2017). Circadian variation in acute myocardial infarct size assessed by cardiovascular magnetic resonance in reperfused STEMI patients. *International Journal of Cardiology*, 230, 149-154.

<https://doi.org/10.1016/j.ijcard.2017.12.030>

Burgess, H. J., & Fogg, L. F. (2008). Individual differences in the amount and timing of salivary melatonin secretion. *PLoS One*, 3, 1-5. <https://doi.org/10.1371/journal.pone.003000>

Burton, W. N., Chen, C.-Y., Schultz, A. B., & Li, X. (2017). Association between employee sleep with workplace health and economic outcomes. *Journal of Occupational and Environmental Medicine*, 59, 177-183.

<https://doi.org/10.1097/JOM.0000000000000934>

Cardinali, D. P., & Pévet, P. (1998). Basic aspects of melatonin action. *Sleep Medicine Reviews*, 2, 17-24.

[https://doi.org/10.1016/S1087-0792\(98\)90020-X](https://doi.org/10.1016/S1087-0792(98)90020-X)

Carrasco-Benso, M. P., Rivero-Gutierrez, B., Lopez-Minguez, J., Anzola, A., Diez-Noguera, A., Madrid, J. A., Lujan, J. A., Martínez-Augustin, O., Scheer, F. A. J. L., & Garaulet, M. (2016). Human adipose tissue expresses intrinsic circadian rhythm in insulin sensitivity. *The FASEB Journal*, 30, 3117-3123.

<https://doi.org/10.1096/fj.2016.0269RR>

Cauter, E. van, Plat, L., Leproult, R., & Copinschi, G. (1998). Alterations of circadian rhythmicity and sleep in aging: Endocrine consequences. *Hormone Research in Paediatrics*, 49, 147-152.

<https://doi.org/10.1159/00023162>

Challet, E., & Pévet, P. (2003). Interactions between photic and nonphotic stimuli to synchronize the master circadian clock in mammals. *Frontiers in Bioscience: A Journal and Virtual Library*, 8, s27-35.

<https://doi.org/10.2741/1039>

Chatham, J. C., & Young, M. E. (2003). Regulation of myocardial metabolism by the cardiomyocyte circadian clock. *Journal of Molecular and Cellular Cardiology, Focus on Cardiac Metabolism*, 50, 139-146.

<https://doi.org/10.1016/j.yjmcc.2012.06.016>

Chellappa, S. L., Morris, C. J., & Scheer, F. A. J. L. (2020). Circadian misalignment increases mood vulnerability in simulated shift work. *Scientific Reports*, 10, Article 18114.

<https://doi.org/10.1038/s41598-020-70240-9>

Clark, R. W., Schmidt, H. S., & Malarkey, W. B. (1999). Disordered growth hormone and prolactin secretion in primary disorders of sleep. *Neurology*, 53, 800-804.

<https://doi.org/10.1212/wnl.53.6.800>

Cona, G., Cavazzana, A., Paoli, A., Marcolin, G., Grainer, A., & Bisiacchi, P. S. (2010). It's a matter of mind! Cognitive functioning predicts the athletic performance in ultra-marathon runners. *PLoS One*, 5, Article e132943. <https://doi.org/10.1371/journal.pone.0132943>

Conroy, R. T., & O'Brien, M. (1998). Proceedings: Diurnal variation in athletic performance. *The Journal of Physiology*, 236, Article 01P. Basics of circadian rhythms: Essentials for athletes and sport professionals Chapter | 200

Crnko, S., Du Pré, B. C., Sluijter, J. P. G., & Van Laake, L. W. (2019). Circadian rhythms and the molecular clock in cardiovascular biology and disease. *Nature Reviews Cardiology*, 16, 437e447. <https://doi.org/10.1038/s41569-019-0167-4>

Culnan, E., McCullough, L. M., & Wyatt, J. K. (2019). Circadian rhythm sleep-wake phase disorders. *Neurologic Clinics, Circadian Rhythm Disorders*, 37, 027e043. <https://doi.org/10.1016/j.ncl.2019.04.003>

Cummings, D. E., Purnell, J. Q., Frayo, R. S., Schmidova, K., Wisse, B. E., & Weigle, D. S. (2001). A preprandial rise in plasma ghrelin levels suggests a role in meal initiation in humans. *Diabetes*, 50, 1714e1719. <https://doi.org/10.2337/diabetes.008.1714>

Cuzzocrea, S., & Reiter, R. J. (2002). Pharmacological actions of melatonin in acute and chronic inflammation. *Current Topics in Medicinal Chemistry*, 2, 103e110. <https://doi.org/10.2174/15678.26.23394420>

Czeisler, C. A., Shanahan, T. L., Klerman, E. B., Martens, H., Brotman, D. J., Emens, J. S., Klein, T., & Rizzo, J. F. (1990). Suppression of melatonin secretion in some blind patients by exposure to bright light. *New England Journal of Medicine*, 322, 7e11. <https://doi.org/10.1056/NEJM1990.10.0332.1.2>

Damiola, F., Minh, N. L., Preitner, N., Kornmann, B., Fleury-Olela, F., & Schibler, U. (2000). Restricted feeding uncouples circadian oscillators in peripheral tissues from the central pacemaker in the suprachiasmatic nucleus. *Genes & Development*, 14, 290e296. <https://doi.org/10.1101/gad.18300>

Deacon, S., & Arendt, J. (1990). Melatonin-induced temperature suppression and its acute phase-shifting effects correlate in a dose-dependent manner in humans. *Brain Research*, 688, 77e80. [https://doi.org/10.116/0006-8993\(90\)96872-I](https://doi.org/10.116/0006-8993(90)96872-I)

DeFronzo, R. A. (2009). From the triumvirate to the ominous octet: A new paradigm for the treatment of type 2 diabetes mellitus. *Diabetes*, 58, 773e790. <https://doi.org/10.2337/db.9.9.78>

Dijk, D.-J., Duffy, J. F., & Czeisler, C. A. (2001). Age-related increase in awakenings: Impaired consolidation of NonREM sleep at all circadian phases. *Sleep*, 24, 060e077. <https://doi.org/10.1093/sleep/24.0.060>

Duffy, J. F., Rimmer, D. W., & Czeisler, C. A. (2001). Association of intrinsic circadian period with morningness-eveningness, usual wake time, and circadian phase. *Behavioral Neuroscience*, 110, 890e899. <https://doi.org/10.1037/0730-0748.110.4.890>

Duncan, M. J., Herron, J. M., & Hill, S. A. (2001). Aging selectively suppresses vasoactive intestinal peptide messenger RNA expression in the suprachiasmatic nucleus of the Syrian hamster. *Molecular Brain Research*, 87, 197e203. [https://doi.org/10.116/S.0169-328X\(01\)0010-8](https://doi.org/10.116/S.0169-328X(01)0010-8)

Duncan, W. C. (1996). Circadian rhythms and the pharmacology of affective illness. *Pharmacology & Therapeutics*, 71, 203e312. [https://doi.org/10.116/S.0163-7208\(96\)0092](https://doi.org/10.116/S.0163-7208(96)0092)

Durgan, D. J., Trexler, N. A., Egbejimi, O., McElfresh, T. A., Suk, H. Y., Petterson, L. E., Shaw, C. A., Hardin, P. E., Bray, M. S., Chandler, M. P., Chow, C.-W., & Young, M. E. (2006). The circadian clock within the cardiomyocyte is essential for responsiveness of the heart to fatty acids. *Journal of Biological Chemistry*, 281, 24204e24219. <https://doi.org/10.1074/jbc.M6.117.4204>

Ellis, C. J. (1981). The pupillary light reflex in normal subjects. *British Journal of Ophthalmology*, 65, 704e709.

Emens, J., Lewy, A., Kinzie, J. M., Arntz, D., & Rough, J. (2009). Circadian misalignment in major depressive disorder. *Psychiatry Research*, 168, 209e211. <https://doi.org/10.1016/j.psychres.2009.04.009>

Foster, R., & Kreitzman, L. (2017). *Circadian rhythms: A very short introduction*. Oxford University Press.

Frank, E., Swartz, H. A., & Kupfer, D. J. (2000). Interpersonal and social rhythm therapy: Managing the chaos of bipolar disorder. *Biological Psychiatry*, 48, 993-1001. [https://doi.org/10.1016/S0006-3223\(00\)00969-0](https://doi.org/10.1016/S0006-3223(00)00969-0)

Garfinkel, D., Laudon, M., Nof, D., & Zisapel, N. (1990). Improvement of sleep quality in elderly people by controlled-release melatonin. *The Lancet*, 336, 818-821. [https://doi.org/10.1016/S0140-6736\(90\)91382-3](https://doi.org/10.1016/S0140-6736(90)91382-3)

Gerhart-Hines, Z., & Lazar, M. A. (2010). Circadian metabolism in the light of evolution. *Endocrine Reviews*, 31, 289-304. <https://doi.org/10.1210/er.2010-1007>

Gil-Lozano, M., Hunter, P. M., Behan, L.-A., Gladanac, B., Casper, R. F., & Brubaker, P. L. (2010). Short-term sleep deprivation with nocturnal light exposure alters time-dependent glucagon-like peptide-1 and insulin secretion in male volunteers. *American Journal of Physiology. Endocrinology and Metabolism*, 298, E116-E124. <https://doi.org/10.1152/ajpendo.00298.2010>

Hattar, S., Lucas, R. J., Mrosovsky, N., Thompson, S., Douglas, R. H., Hankins, M. W., Lem, J., Biel, M., Hofmann, F., Foster, R. G., & Yau, K.-W. (2003). Melanopsin and rod cone photoreceptive systems account for all major accessory visual functions in mice. *Nature*, 425, 551-554. <https://doi.org/10.1038/nature01761>

Haus, E. (2007). Chronobiology in the endocrine system. *Advanced Drug Delivery Reviews*, Chronobiology, Drug-delivery, and Chronotherapeutics, 59, 980-1014. <https://doi.org/10.1016/j.addr.2007.01.001>

Haus, E., Nicolau, G., Lakatua, D. J., Sackett-Lundeen, L., & Petrescu, E. (1989). Circadian rhythm parameters of endocrine functions in elderly subjects during the seventh to the ninth decade of life. *Chronobiologia*, 16, 331-337.

Hayakawa, T., Uchiyama, M., Kamei, Y., Shibui, K., Tagaya, H., Asada, T., Okawa, M., Urata, J., & Takahashi, K. (2000). Clinical analyses of sighted patients with non-24-hour sleep-wake syndrome: A study of 27 consecutively diagnosed cases. *Sleep*, 23, 909-917. <https://doi.org/10.1093/sleep/23.8.909>

Hayes, L. D., Bickerstaff, G. F., & Baker, J. S. (2010). Interactions of cortisol, testosterone, and resistance training: Influence of circadian rhythms. *Chronobiology International*, 27, 706-710. <https://doi.org/10.3109/07423102103778777>

Hickie, I. B., Naismith, S. L., Robillard, R., Scott, E. M., & Hermens, D. F. (2013). Manipulating the sleep-wake cycle and circadian rhythms to improve clinical management of major depression. *BMC Medicine*, 11, 79. <https://doi.org/10.1186/1745-7100-11-79>

Horne, J. A., & Ostberg, O. (1976). A self-assessment questionnaire to determine morningness-eveningness in human circadian rhythms. *International Journal of Chronobiology*, 4, 95-103.

Hull, J. T., Czeisler, C. A., & Lockley, S. W. (2018). Suppression of melatonin secretion in totally visually blind people by ocular exposure to white light: Clinical characteristics. *Ophthalmology*, 125, 1160-1171. <https://doi.org/10.1016/j.ophtha.2018.01.037>

James, A. B., Syed, N. H., Bordage, S., Marshall, J., Nimmo, G. A., Jenkins, G. I., Herzyk, P., Brown, J. W. S., & Nimmo, H. G. (2012). Alternative splicing mediates responses of the Arabidopsis circadian clock to temperature changes[W]. *The Plant Cell*, 24, 961-971. <https://doi.org/10.1105/tpc.111.093948>

Jensen, M. T., Marott, J. L., Lange, P., Vestbo, J., Schnohr, P., Nielsen, O. W., Jensen, J. S., & Jensen, G. B. (2013). Resting heart rate is a predictor of mortality in COPD. *European Respiratory Journal*, 42, 313-319. <https://doi.org/10.1183/09039636.00002212>

Jensen, M. T., Suadicani, P., Hein, H. O., & Gyntelberg, F. (2013). Elevated resting heart rate, physical fitness and all-cause mortality: A 17-year follow up in the Copenhagen male study. *Heart*, 99, 182-187. <https://doi.org/10.1136/heartjnl-2012-323700>

Jones, S. H., Hare, D. J., & Evershed, K. (2000). Actigraphic assessment of circadian activity and sleep patterns in bipolar disorder. *Bipolar Disorders*, 2, 176-186. <https://doi.org/10.1111/j.1399-0618.2000.0187.x>

Kalsbeek, A., & Buijs, R. M. (2002). Output pathways of the mammalian suprachiasmatic nucleus: Coding circadian time by transmitter selection and specific targeting. *Cell and Tissue Research*, 309, 109-118. <https://doi.org/10.1007/s00441-002-0577-0>

Kalsbeek, A., Fliers, E., Romijn, J. A., la Fleur, S. E., Wortel, J., Bakker, O., Endert, E., & Buijs, R. M. (2011). The suprachiasmatic nucleus generates the diurnal changes in plasma leptin levels. *Endocrinology*, 152, 2677-2680. <https://doi.org/10.1210/endo.152.6.1197>

Karlsson, B. H., Knutsson, A. K., Lindahl, B. O., & Alfredsson, L. S. (2003). Metabolic disturbances in male workers with rotating three-shift work. Results of the WOLF study. *International Archives of Occupational and Environmental Health*, 76, 423-430. <https://doi.org/10.1007/s00420-003-0440-y>

Karlsson, B., Knutsson, A., & Lindahl, B. (2011). Is there an association between shift work and having a metabolic syndrome? Results from a population based study of 27,400 people. *Occupational and Environmental Medicine*, 68, 147-152. <https://doi.org/10.1136/oem.2011.07457>

Khalsa, S. B. S., Jewett, M. E., Cajochen, C., & Czeisler, C. A. (2003). A phase response curve to single bright light pulses in human subjects. *The Journal of Physiology*, 559, 909-912. <https://doi.org/10.1113/jphysiol.2003.04477>

Klein, T., Martens, H., Dijk, D.-J., Kronauer, R. E., Seely, E. W., & Czeisler, C. A. (1993). Circadian sleep regulation in the absence of light perception: Chronic non-24-hour circadian rhythm sleep disorder in a blind man with a regular 24-hour sleep/wake schedule. *Sleep*, 16, 333-337. <https://doi.org/10.1093/sleep/16.3.333>

Klerman, E. B., Shanahan, T. L., Brotman, D. J., Rimmer, D. W., Emens, J. S., Rizzo, J. F., & Czeisler, C. A. (2002). Photic resetting of the human circadian pacemaker in the absence of conscious vision. *Journal of Biological Rhythms*, 17, 548-550. <https://doi.org/10.1177/0748730402238237>

Knutsson, A., & Bøggild, H. (2011). Gastrointestinal disorders among shift workers. *Scand. Journal of Work, Environment & Health*, 37, 80-90. <https://doi.org/10.5271/sjweh.2897>

Knutsson, A. (1989). Shift work and coronary heart disease. *Scandinavian Journal of Social Medicine - Supplementum*, 44, 1-37.

Lapierre, O., & Dumont, M. (1990). Melatonin treatment of a non-24-hour sleep-wake cycle in a blind retarded child. *Biological Psychiatry*, 28, 119-122. [https://doi.org/10.116/0006-3223\(90\)00072-O](https://doi.org/10.116/0006-3223(90)00072-O)

Lee, A., Ader, M., Bray, G. A., & Bergman, R. N. (1992). Diurnal variation in glucose tolerance: Cyclic suppression of insulin action and insulin secretion in normal-weight, but not obese, subjects. *Diabetes*, 41, 700-709. <https://doi.org/10.2337/diab.41.6.700>

Lee, H., Chen, R., Kim, H., Etchegaray, J.-P., Weaver, D. R., & Lee, C. (2011). The period of the circadian oscillator is primarily determined by the balance between casein kinase 1 and protein phosphatase 1. *Proceedings of the National Academy of Sciences*, 108, 16501-16506. <https://doi.org/10.1073/pnas.1107178108>

Leger, D., Guilleminault, C., Defrance, R., Domont, A., & Paillard, M. (1999). Prevalence of sleep/wake disorders in persons with blindness. *Clinical Science*, 97, 193-199. <https://doi.org/10.1054/cs.1997.193>

Lemola, S., Perkinson-Gloor, N., Brand, S., Dewald-Kaufmann, J. F., & Grob, A. (2010). Adolescents' electronic media use at night, sleep disturbance, and depressive symptoms in the smartphone age. *Journal of Youth and Adolescence*, 44, 40-51. <https://doi.org/10.1007/s10964-010-9476-x>

Lin, C., Tang, X., Zhu, Z., Liao, X., Zhao, R., Fu, W., Chen, B., Jiang, J., Qian, R., & Guo, D. (2014). The rhythmic expression of clock genes attenuated in human plaque-derived vascular smooth muscle cells. *Lipids in Health and Disease*, 13, 14. <https://doi.org/10.1186/1476-2875-13-14>

Lin, Y.-C., Hsiao, T.-J., & Chen, P.-C. (2009). Persistent rotating shift-work exposure accelerates development of metabolic syndrome among middleaged female employees: A five-year follow-up. *Chronobiology International*, 26, 140-150. <https://doi.org/10.1080/07420520903292929>

Lindgren, O., Mari, A., Deacon, C. F., Carr, R. D., Winzell, M. S., Vikman, J., & Åhrén, B. (2009). Differential islet and incretin hormone responses in morning versus afternoon after standardized meal in healthy men. *Journal of Clinical Endocrinology & Metabolism*, 94, 2887-2892. <https://doi.org/10.1210/jc.2009-3377>

Liu, C., & Reppert, S. M. (2000). GABA synchronizes clock cells within the suprachiasmatic circadian clock. *Neuron*, 26, 123-128. [https://doi.org/10.1016/S0896-6273\(00\)8076-4](https://doi.org/10.1016/S0896-6273(00)8076-4)

- Lo Martire, V., Silvani, A., Alvente, S., Bastianini, S., Berteotti, C., Valli, A., & Zoccoli, G. (2018). Modulation of sympathetic vasoconstriction is critical for the effects of sleep on arterial pressure in mice. *The Journal of Physiology*, 596, 591e708. <https://doi.org/10.1111/JP270303>
- Logan, R. W., & Sarkar, D. K. (2012). Circadian nature of immune function. *Molecular & Cellular Endocrinology, The Role of Circadian Clock in Endocrinology*, 349, 82e90. <https://doi.org/10.1016/j.mce.2011.06.039>
- Lowden, A., & Åkerstedt, T. (1998). Retaining home-base sleep hours to prevent jet lag in connection with a westward flight across nine time zones. *Chronobiology International*, 15, 360e376. <https://doi.org/10.3109/07420299808998797>
- Münch, M., Kobiacka, S., Steiner, R., Oelhafen, P., Wirz-Justice, A., & Cajochen, C. (2006). Wavelength-dependent effects of evening light exposure on sleep architecture and sleep EEG power density in men. *American Journal of Physiology - Regulatory, Integrative and Comparative Physiology*, 290, R1421eR1428. <https://doi.org/10.1152/ajpregu.00478.2006>
- Ma, M. A., & Morrison, E. H. (2020). Neuroanatomy, nucleus suprachiasmatic. In *StatPearls*. Treasure Island (FL): StatPearls Publishing. Magee, C. A., Caputi, P., & Iverson, D. C. (2011). Relationships between self-rated health, quality of life and sleep duration in middle aged and elderly Australians. *Sleep Medicine*, 12, 347e350. <https://doi.org/10.1016/j.sleep.2010.09.012>
- Mainster, M. A. (2006). Violet and blue light blocking intraocular lenses: Photoprotection versus photoreception. *British Journal of Ophthalmology*, 90, 784e792. <https://doi.org/10.1136/bjo.2005.086003>
- Mak, K.-K., Lee, S.-L., Ho, S.-Y., Lo, W.-S., & Lam, T.-H. (2012). Sleep and academic performance in Hong Kong adolescents. *Journal of School Health*, 82, 22e27. <https://doi.org/10.1111/j.1746-1061.2012.00722.x>
- Malarkey, W. B., Schroeder, L. L., Stevens, V. C., James, A. G., & Lanese, R. R. (1997). Disordered nocturnal prolactin regulation in women with breast cancer. *Cancer Research*, 57, 470e4704.
- Manfredini, R., Boari, B., Salmi, R., Fabbian, F., Pala, M., Tiseo, R., & Portaluppi, F. (2013). Twenty-four-hour patterns in occurrence and pathophysiology of acute cardiovascular events and ischemic heart disease. *Chronobiology International*, 30, 7e16. <https://doi.org/10.3109/07420298.2012.710843>
- McArthur, A. J., Lewy, A. J., & Sack, R. L. (1996). Non-24-hour sleep-wake syndrome in a sighted man: Circadian rhythm studies and efficacy of melatonin treatment. *Sleep*, 19, 544e553. <https://doi.org/10.1093/sleep/19.4.544>
- McClung, C. R. (2006). Plant circadian rhythms. *The Plant Cell*, 18, 792e803. <https://doi.org/10.1105/tpc.106.04.988>
- McGlinchy, N. J., Valomon, A., Chesham, J. E., Maywood, E. S., Hastings, M. H., & Ule, J. (2012). Regulation of alternative splicing by the circadian clock and food related cues. *Genome Biology*, 13, R04. <https://doi.org/10.1186/gb-2012-13-7-r04>
- Miyata, S., Noda, A., Iwamoto, K., Kawano, N., Okuda, M., & Ozaki, N. (2013). Poor sleep quality impairs cognitive performance in older adults. *Journal of Sleep Research*, 22, 530e541. <https://doi.org/10.1111/jsr.12004>
- Mohawk, J. A., & Takahashi, J. S. (2011). Cell autonomy and synchrony of suprachiasmatic nucleus circadian oscillators. *Trends in Neurosciences*, 34, 349e358. <https://doi.org/10.1016/j.tins.2011.05.003>
- Morris, C. J., Yang, J. N., & Scheer, F. A. J. L. (2012). Chapter 19 - the impact of the circadian timing system on cardiovascular and metabolic function. In A. Kalsbeek, M. Meroz, T. Roenneberg, & R. G. Foster (Eds.), *Progress in brain research, the neurobiology of circadian timing* (pp. 337e358). Elsevier. <https://doi.org/10.1016/B978-0-444-59427-3.0019-8>
- Nadorff, M. R., Drapeau, C. W., & Pigeon, W. R. (2018). Psychiatric illness and sleep in older adults: Comorbidity and opportunities for intervention. *Sleep Medicine Clinical*, 13, 81e91. <https://doi.org/10.1016/j.jsmc.2017.09.008>
- Nagaya, T., Yoshida, H., Takahashi, H., & Kawai, M. (2002). Markers of insulin resistance in day and shift workers aged 30e39 years. *International Archives of Occupational and Environmental Health*, 75, 572e578. <https://doi.org/10.1007/s00420-002-0370-0>

Nakamura, T. J., Nakamura, W., Yamazaki, S., Kudo, T., Cutler, T., Colwell, C. S., & Block, G. D. (2011). Age-related decline in circadian output. *Journal of Neuroscience*, 31, 10201e10200. <https://doi.org/10.1023/JNEUROSCI.4501-11.2011>

Nauman, J., Janszky, I., Vatten, L. J., & Wisløff, U. (2011). Temporal changes in resting heart rate and deaths from ischemic heart disease. *JAMA*, 306, 2079e2087. <https://doi.org/10.1001/jama.2011.1826>

Newman, A. B., Enright, P. L., Manolio, T. A., Haponik, E. F., & Wahl, P. W. (1997). Sleep disturbance, psychosocial correlates, and cardiovascular disease in 801 older adults: The cardiovascular health study. *Journal of the American Geriatrics Society*, 45, 1e7. <https://doi.org/10.1111/j.1532-0510.1997.tb00970.x>

Palm, L., Blennow, G., & Wetterberg, L. (1991). Correction of none 24-hour sleep/wake cycle by melatonin in a blind retarded boy. *Annals of Neurology*, 29, 337e339. <https://doi.org/10.1002/ana.410290318>

Palm, L., PhD, G. B. M. D., & PhD, L. W. M. D. (1997). Long-term melatonin treatment in blind children and young adults with circadian sleep-wake disturbances. *Developmental Medicine and Child Neurology*, 39, 319e320. <https://doi.org/10.1111/j.1469-8749.1997.tb07438.x>

Partch, C. L., Green, C. B., & Takahashi, J. S. (2014). Molecular architecture of the mammalian circadian clock. *Trends in Cell Biology*, 24, 9e99. <https://doi.org/10.1016/j.tcb.2013.07.002>

Partch, C. L., Shields, K. F., Thompson, C. L., Selby, C. P., & Sancar, A. (2006). Posttranslational regulation of the mammalian circadian clock by cryptochrome and protein phosphatase 2. *Proceedings of the National Academy of Sciences*, 103, 10477e10482. <https://doi.org/10.1073/pnas.0604381103>

Peplonska, B., Bukowska, A., & Sobala, W. (2010). Association of rotating night shift work with BMI and abdominal obesity among nurses and midwives. *PLoS One*, 5. <https://doi.org/10.1371/journal.pone.0133761>

Phelps, J. (2008). Dark therapy for bipolar disorder using amber lenses for blue light blockade. *Medical Hypotheses*, 70, 224e229. <https://doi.org/10.1016/j.mehy.2007.05.026>

Phillips, A. J. K., Vidafar, P., Burns, A. C., McGlashan, E. M., Anderson, C., Rajaratnam, S. M. W., Lockley, S. W., & Cain, S. W. (2019). High sensitivity and interindividual variability in the response of the human circadian system to evening light. *Proceedings of the National Academy of Sciences*, 116, 12019e12024. <https://doi.org/10.1073/pnas.1901824116>

Piggins, H. D., Antle, M. C., & Rusak, B. (1990). Neuropeptides phase shift the mammalian circadian pacemaker. *Journal of Neuroscience*, 10, 5612e5622. <https://doi.org/10.1023/JNEUROSCI.100-8-0612.1990>

Plat, L., Byrne, M. M., Sturis, J., Polonsky, K. S., Mockel, J., Fery, F., & Van Cauter, E. (1996). Effects of morning cortisol elevation on insulin secretion and glucose regulation in humans. *American Journal of Physiology. Endocrinology and Metabolism*, 270, E37eE42. <https://doi.org/10.1152/ajpendo.1996.270.1.E37>

Portaluppi, F., & Hermida, R. C. (2007). Circadian rhythms in cardiac arrhythmias and opportunities for their chronotherapy. *Advanced Drug Delivery Reviews, Chronobiology, Drug-delivery, and Chronotherapeutics*, 59, 94e901. <https://doi.org/10.1016/j.addr.2006.10.>

Qin, L.-Q., Li, J., Wang, Y., Wang, J., Xu, J.-Y., & Kaneko, T. (2003). The effects of nocturnal life on endocrine circadian patterns in healthy adults. *Life Sciences*, 73, 2477e2480. [https://doi.org/10.1016/S0024-3206\(03\)00628-3](https://doi.org/10.1016/S0024-3206(03)00628-3)

Reardon, C. L., Hainline, B., Aron, C. M., Baron, D., Baum, A. L., Bindra, A., Budgett, R., Campriani, N., Castaldelli-Maia, J. M., Currie, A., Derevensky, J. L., Glick, I. D., Gorczynski, P., Gouttebauge, V., Grandner, M. A., Han, D. H., McDuff, D., Mountjoy, M., Polat, A., ... Engebretsen, L. (2019). Mental health in elite athletes: International Olympic Committee consensus statement (2019). *British Journal of Sports Medicine*, 53, 167e179. <https://doi.org/10.1136/bjsports-2019-100710>

Reilly, T. (1990). Human circadian rhythms and exercise. *Critical Reviews in Biomedical Engineering*, 18, 160e180.

Rosekind, M. R., Gregory, K. B., Mallis, M. M., Brandt, S. L., Seal, B., & Lerner, D. (2010). The cost of poor sleep: Workplace productivity loss and associated costs. *Journal of Occupational and Environmental Medicine*, 52, 91e98. <https://doi.org/10.1097/JOM.0b013e3181c74c37>.

Rosenthal, N. E., Sack, D. A., Gillin, J. C., Lewy, A. J., Goodwin, F. K., Davenport, Y., Mueller, P. S., Newsome, D. A., & Wehr, T. A. (1988). Seasonal affective disorder: A description of the syndrome and preliminary findings with light therapy. *Archives of General Psychiatry*, 45, 995-1000. <https://doi.org/10.1001/archpsyc.1988.01190120099510>.

Sack, R. L., Auckley, D., Auger, R. R., Carskadon, M. A., Wright, K. P., Jr., Vitiello, M. V., & Zhdanova, I. V. (2007). Circadian rhythm sleep disorders: Part II, advanced sleep phase disorder, delayed sleep phase disorder, free-running disorder, and irregular sleep-wake rhythm. *Sleep*, 30, 1484e1501. <https://doi.org/10.1093/sleep/30.11.1484>

Sack, R. L. (2010). Jet lag. <https://doi.org/10.1056/NEJMcp0909838>

Sack, R. L., Lewy, A. J., Blood, M. L., Keith, L. D., & Nakagawa, H. (1992). Circadian rhythm abnormalities in totally blind people: Incidence and clinical significance. *Journal of Clinical Endocrinology & Metabolism*, 75, 1276-1282. <https://doi.org/10.1210/jcem.75.1.1619000>

Sadki, A., Bentivoglio, M., Kristensson, K., & Nygård, M. (2007). Suppressors, receptors and effects of cytokines on the aging mouse biological clock. *Neurobiology of Aging*, 28, 297e300. <https://doi.org/10.1016/j.neurobiolaging.2006.12.007>

Saeb-Parsy, Lombardelli, Khan, McDowall, Au-Yong, & Dyball. (2000). Neural connections of hypothalamic neuroendocrine nuclei in the rat. *Journal of Neuroendocrinology*, 12, 630e638. <https://doi.org/10.1046/j.1376-2826.2000.00003.x>

Salvatore, P., Ghidini, S., Zita, G., Panfilis, C. D., Lambertino, S., Maggini, C., & Baldessarini, R. J. (2008). Circadian activity rhythm abnormalities in ill and recovered bipolar I disorder patients. *Bipolar Disorders*, 10, 207e210. <https://doi.org/10.1111/j.1399-0618.2007.00000.x>

Sassin, J. F., Frantz, A. G., Kapen, S., & Weitzman, E. D. (1973). The nocturnal rise of human prolactin is dependent on sleep. *Journal of Clinical Endocrinology & Metabolism*, 37, 437e440. <https://doi.org/10.1210/jcem-37-3-437>

Scheer, F. A. J. L., Hilton, M. F., Mantzoros, C. S., & Shea, S. A. (2009). Adverse metabolic and cardiovascular consequences of circadian misalignment. *Proceedings of the National Academy of Sciences of the United States of America*, 106, 4330e4335. <https://doi.org/10.1073/pnas.0808180106>

Scheer, F. A. J. L., Ter Horst, G. J., van der Vliet, J., & Buijs, R. M. (2001). Physiological and anatomic evidence for regulation of the heart by suprachiasmatic nucleus in rats. *American Journal of Physiology - Heart and Circulatory Physiology*, 280, H1391eH1399. <https://doi.org/10.1152/ajpheart.2001.280.3.H1391>

Schernhammer, E. S., Laden, F., Speizer, F. E., Willett, W. C., Hunter, D. J., Kawachi, I., Fuchs, C. S., & Colditz, G. A. (2003). Night-shift work and risk of colorectal cancer in the nurses' health study. *JNCI: Journal of the National Cancer Institute*, 95, 820e828. <https://doi.org/10.1093/jnci/95.11.820>

Schmidt, C., Collette, F., Cajochen, C., & Peigneux, P. (2007). A time to think: Circadian rhythms in human cognition. *Cognitive Neuropsychology*, 24, 700e719. <https://doi.org/10.1080/02643760701704108>

Scott, null, Monk, null, & Brink, null (1997). Shiftwork as a risk factor for depression: A pilot study. *International Journal of Occupational and Environmental Health*, 3, S7eS9.

Sedliak, M., Haverinen, M., & Häkkinen, K. (2011). Muscle strength, resting muscle tone and EMG activation in untrained men: Interaction effect of time of day and test order-related confounding factors. *The Journal of Sports Medicine and Physical Fitness*, 51, 560e570.

Silver, R., & Kriegsfeld, L. J. (2014). Circadian rhythms have broad implications for understanding brain and behavior. *European Journal of Neuroscience*, 39, 1876e1880. <https://doi.org/10.1111/ejn.12093>

Skene, D. J., & Arendt, J. (2007). Circadian rhythm sleep disorders in the blind and their treatment with melatonin. *Sleep Medicine, Circadian Rhythms in Sleep Medicine*, 8, 601e600. <https://doi.org/10.1016/j.sleep.2006.11.013>

Sloan, E. P., Flint, A. J., Reinish, L., & Shapiro, C. M. (1996). Circadian rhythms and psychiatric disorders in the elderly. *Journal of Geriatric Psychiatry and Neurology*, 9, 174-177. <https://doi.org/10.1177/089198879600900402>

Someren, E. J. W. V. (2000). Circadian rhythms and sleep in human aging. *Chronobiology International*, 17, 232-243. <https://doi.org/10.1081/CBI100101046>

Sookoian, S., Gemma, C., Gianotti, T. F., Burgueño, A., Alvarez, A., González, C. D., & Pirola, C. J. (2007). Effects of rotating shift work on biomarkers of metabolic syndrome and inflammation. *Journal of Internal Medicine*, 261, 280-292. <https://doi.org/10.1111/j.1365-2196.2007.01776.x>

Souissi, D. N., Bessot, N., Chamari, K., Gauthier, A., Sesboué, B., & Davenne, D. (2007). Effect of time of day on aerobic contribution to the 30-s wingate test performance. *Chronobiology International*, 24, 929-938. <https://doi.org/10.1080/07420520701530811>

Spiegel, K., Leproult, R., & Van Cauter, E. (1999). Impact of sleep debt on metabolic and endocrine function. *The Lancet*, 353, 1390-1397. [https://doi.org/10.1016/S0140-6736\(99\)13776-8](https://doi.org/10.1016/S0140-6736(99)13776-8)

Strassman, R. J., Qualls, C. R., Lisansky, E. J., & Peake, G. T. (1991). Elevated rectal temperature produced by all-night bright light is reversed by melatonin infusion in men. *Journal of Applied Physiology*, 71, 2174-2182. <https://doi.org/10.1152/jappl.1991.71.6.2174>

Suwazono, Y., Dochi, M., Oishi, M., Tanaka, K., Kobayashi, E., & Sakata, K. (2009). ShiftWork and impaired glucose metabolism: A 15-year cohort study on 104 male workers. *Chronobiology International*, 26, 926-931. <https://doi.org/10.1080/07420520903044422>

Szosland, D. (2010). Shift work and metabolic syndrome, diabetes mellitus and ischaemic heart disease. *International Journal of Occupational Medicine & Environmental Health*, 23, 287-291. <https://doi.org/10.2478/v10011-010-0320-0>

Takeda, N., Maemura, K., Horie, S., Oishi, K., Imai, Y., Harada, T., Saito, T., Shiga, T., Amiya, E., Manabe, I., Ishida, N., & Nagai, R. (2007). Thrombomodulin is a clock-controlled gene in vascular endothelial cells. *Journal of Biological Chemistry*, 282, 32061-32067. <https://doi.org/10.1074/jbc.M706792007>

Terman, M., Terman, J. S., Quitkin, F. M., McGrath, P. J., Stewart, J. W., & Rafferty, B. (1989). Light therapy for seasonal affective disorder. *Neuropsychopharmacology*, 2, 1e22. [https://doi.org/10.1016/0893-133X\(89\)90020-X](https://doi.org/10.1016/0893-133X(89)90020-X)

Thorpy, M. J., Korman, E., Spielman, A. J., & Glowinsky, P. B. (1988). Delayed sleep phase syndrome in adolescents. *Journal of Adolescent Health Care*, 9, 22-27. [https://doi.org/10.1016/0197-0070\(88\)90014-9](https://doi.org/10.1016/0197-0070(88)90014-9)

Tzischinsky, O., Pal, I., Epstein, R., Dagan, Y., & Lavie, P. (1992). The importance of timing in melatonin administration in a blind man. *Journal of Pineal Research*, 12, 100-108. <https://doi.org/10.1111/j.1600-079X.1992.tb00300.x>

Vadnie, C. A., & McClung, C. A. (2017). Circadian rhythm disturbances in mood disorders: Insights into the role of the suprachiasmatic nucleus. *Neural Plasticity*. <https://doi.org/10.1155/2017/1504007>

Vandewalle, G., Middleton, B., Rajaratnam, S. M. W., Stone, B. M., Thorleifsdottir, B., Arendt, J., & Dijk, D.-J. (2007). Robust circadian rhythm in heart rate and its variability: Influence of exogenous melatonin and photoperiod. *Journal of Sleep Research*, 16, 148-150. <https://doi.org/10.1111/j.1365-2875.2007.00811.x>

Virkkunen, H., Härmä, M., Kauppinen, T., & Tenkanen, L. (2006). The triad of shift work, occupational noise, and physical workload and risk of coronary heart disease. *Occupational and Environmental Medicine*, 63, 274-281. <https://doi.org/10.1136/oem.2005.022008>

Vitiello, M. V. (1997). Sleep disorders and aging: Understanding the causes. *Journals of Gerontology - Series A*, 52A, M189-M191. <https://doi.org/10.1093>

Waldstreicher, J., Duffy, J. F., Brown, E. N., Rogacz, S., Allan, J. S., & Czeisler, C. A. (1996). Gender differences in the temporal organization of prolactin (PRL) secretion: Evidence for a sleep-independent circadian rhythm of circulating PRL levels- a clinical research center study. *Journal of Clinical Endocrinology & Metabolism*, 81, 1483-1487. <https://doi.org/10.1210/jcem.81.4.8737300>

Waterhouse, J., Reilly, T., Atkinson, G., & Edwards, B. (2007). Jet lag: Trends and coping strategies. *The Lancet*, 369, 1117e1129. [https://doi.org/10.1016/S.0140-6736\(07\)6029-7](https://doi.org/10.1016/S.0140-6736(07)6029-7)

Weitzman, E. D., Czeisler, C. A., Coleman, R. M., Spielman, A. J., Zimmerman, J. C., Dement, W., & Pollak, C. P. (1981). Delayed sleep phase syndrome: A chronobiological disorder with sleep-onset insomnia. *Archives of General Psychiatry*, 38, 737e746. <https://doi.org/10.1001/archpsyc.1981.0128032017001>

Welsh, D. K., Yoo, S.-H., Liu, A. C., Takahashi, J. S., & Kay, S. A. (2004). Bioluminescence imaging of individual fibroblasts reveals persistent, independently phased circadian rhythms of clock gene expression. *Current Biology*, 14, 2289e2290. <https://doi.org/10.1016/j.cub.2004.11.007>

Wetherell, J. L., Le Roux, H., & Gatz, M. (2003). DSM-IV criteria for generalized anxiety disorder in older adults: Distinguishing the worried from the well. *Psychology and Aging*, 18, 622e627. <https://doi.org/10.1037/0882-9694.18.3.622>

Winget, C., Deroshia, C., & Holley, D. (1980). Circadian rhythms and athletic performance. *Medicine & Science in Sports & Exercise*, 12, 498e506.

Wise, P. M., Cohen, I. R., Weiland, N. G., & London, E. D. (1988). Aging alters the circadian rhythm of glucose utilization in the suprachiasmatic nucleus. *Proceedings of the National Academy of Sciences of the United States of America*, 85, 520e523.

Witting, W., Kwa, I. H., Eikelenboom, P., Mirmiran, M., & Swaab, D. F. (1990). Alterations in the circadian rest-activity rhythm in aging and Alzheimer's disease. *Biological Psychiatry*, 27, 563e572. [https://doi.org/10.1016/0006-3223\(90\)9023-0](https://doi.org/10.1016/0006-3223(90)9023-0)

Wright, K. P., Hughes, R. J., Kronauer, R. E., Dijk, D.-J., & Czeisler, C. A. (2001). Intrinsic near-24-h pacemaker period determines limits of circadian entrainment to a weak synchronizer in humans. *Proceedings of the National Academy of Sciences of the United States of America*, 98, 14027e14032. <https://doi.org/10.1073/pnas.201031998>

Wulff, K., Dijk, D.-J., Middleton, B., Foster, R. G., & Joyce, E. M. (2002). Sleep and circadian rhythm disruption in schizophrenia. *British Journal of Psychiatry*, 180, 308e316. <https://doi.org/10.1192/bjp.bp.111.096321>

Yamadera, H., Takahashi, K., & Okawa, M. (1996). A multicenter study of sleep-wake rhythm disorders: Clinical features of sleep-wake rhythm disorders. *Psychiatry and Clinical Neurosciences*, 50, 190e201. <https://doi.org/10.1111/j.1444-1119.1996.tb02742.x>

Yamaguchi, Y., Suzuki, T., Mizoro, Y., Kori, H., Okada, K., Chen, Y., Fustin, J.-M., Yamazaki, F., Mizuguchi, N., Zhang, J., Dong, X., Tsujimoto, G., Okuno, Y., Doi, M., & Okamura, H. (2003). Mice genetically deficient in vasopressin V1a and V1b receptors are resistant to jet lag. *Science*, 302, 80e84. <https://doi.org/10.1126/science.1238099>

Yeom, J. H., Sim, C. S., Lee, J., Yun, S. H., Park, S. J., Yoo, C.-I., & Sung, J. H. (2007). Effect of shift work on hypertension: Cross sectional study. *Annals of Occupational and Environmental Medicine*, 29. <https://doi.org/10.1186/s13007-017-0177-z>

Zaidan, R., Geoffriau, M., Brun, J., Taillard, J., Bureau, C., Chazot, G., & Claustrat, B. (1994). Melatonin is able to influence its secretion in humans: Description of a phase-response curve. *Neuroendocrinology*, 60, 100e112. <https://doi.org/10.1159/000126226>

Zeitzer, J. M., Dijk, D.-J., Kronauer, R. E., Brown, E. N., & Czeisler, C. A. (2000). Sensitivity of the human circadian pacemaker to nocturnal light: Melatonin phase resetting and suppression. *The Journal of Physiology*, 526, 690e702. <https://doi.org/10.1111/j.1469-7593.2000.0690.x>

Zupancic, M., & Guilleminault, C. (2006). Agomelatine. *CNS Drugs*, 20, 981e992. <https://doi.org/10.2165/00023210-20062012-00003>

Albuquerque, F. N., Kuniyoshi, F. H., Calvin, A. D., et al. (۲۰۱۰). Sleep-disordered breathing, hypertension, and obesity in retired National Football League players. *Journal of the American College of Cardiology*, ۵۶(۱۷), ۱۴۳۲e۱۴۳۳. <https://doi.org/10.1016/j.jacc.2010.03.099>

Alvaro, P. K., Roberts, R. M., & Harris, J. K. (۲۰۱۳). A systematic review assessing bidirectionality between sleep disturbances, anxiety, and depression. *Sleep*, ۳۶(۷), ۱۰۵۹. <https://doi.org/10.5665/sleep.2810>

American Academy of Sleep Medicine. (۲۰۱۴). *International classification of sleep disorders (۳rd ed.)*. Darien: American Academy of Sleep Medicine.

Baron, S. R. R. (۱۹۹۴). Health hazard evaluation report, National Football League players mortality study. Report No. HETA ۸۸-۰۸۵ ۱۹۹۴. Atlanta, GA: Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

Bender, A. M., Lawson, D., Werthner, P., & Samuels, C. H. (۲۰۱۸). The clinical validation of the athlete sleep screening questionnaire: An instrument to identify athletes that need further sleep assessment. *Sports Medicine Open*, ۴(۲۳), ۱e۸. <https://doi.org/10.1186/s40798-018-0140-0>

Bender, A. M., Van Dongen, H. P. A., & Samuels, C. H. (۲۰۱۸). Sleep quality and chronotype differences between elite athletes and non-athlete controls. *Clocks & Sleep*, ۱(۱), ۳e۱۲. <https://doi.org/10.3390/clockssleep101002>

Benton, M. L., & Friedman, N. S. (۲۰۱۳). Treatment of obstructive sleep apnea syndrome with nasal positive airway pressure improves golf performance. *Journal of Clinical Sleep Medicine*, ۹(۱۲), ۱۲۳۷e۱۲۴۲. <https://doi.org/10.5664/jcsm.3206>

Brasure, M., Fuchs, E., MacDonald, R., Nelson, V. A., Koffel, E., Olson, C. M., Khawaja, I. S., Diem, S., Carlyle, M., & Wilt, T. J. (۲۰۱۶). Psychological and behavioral interventions for managing insomnia disorder: An evidence report for a clinical practice guideline by the American College of Physicians. *Annals of Internal Medicine*, ۱۶۵(۲), ۱۱۳e۱۲۴. <https://doi.org/10.7326/M16-1782>

Brower, K. J., Aldrich, M. S., Robinson, E. A., Zucker, R. A., & Greden, J. F. (۲۰۰۱). Insomnia, self-medication, and relapse to alcoholism. *American Journal of Psychiatry*, ۱۵۸(۳), ۳۹۹. <https://doi.org/10.1176/appi.ajp.158.3.399>

Caia, J., Scott, T. J., Halson, S. L., & Kelly, V. G. (۲۰۱۸). The influence of sleep hygiene education on sleep in professional rugby league athletes. *Sleep Health*, ۴(۴), ۳۶۴e۳۶۸. <https://doi.org/10.1016/j.sleh.2018.05.002>

Chennaoui, M., Bougard, C., Drogou, C., Langrume, C., Miller, C., Gomez-Merino, D., & Vergnoux, F. (۲۰۱۶). Stress biomarkers, mood states, and sleep during a major competition: “Success” and “failure” athlete’s profile of high-level swimmers. *Frontiers in Physiology*, ۷, ۹۴. <https://doi.org/10.3389/fphys.2016.00094>

Connor, J. R., Patton, S. M., Oexle, K., & Allen, R. P. (2017). Iron and restless legs syndrome: Treatment, genetics and pathophysiology. *Sleep Medicine*, 31, 11e10. <https://doi.org/10.1016/j.sleep.2016.07.028>

Dunican, I. C., Higgins, C. C., Jones, M. J., Clarke, M. W., Murray, K., Dawson, B., Caldwell, J. A., Halson, S. L., & Eastwood, P. R. (2018). Caffeine use in a Super Rugby game and its relationship to post-game sleep. *European Journal of Sport Science*, 18(8), 13e22. <https://doi.org/10.1080/17461391.2018.1433238>

Dunican, I. C., Martin, D. T., Halson, S. L., Reale, R. J., Dawson, B. T., Caldwell, J. A., Jones, M. J., & Eastwood, P. R. (2017). The effects of the removal of electronic devices for 8 hours on sleep in elite judo athletes. *The Journal of Strength & Conditioning Research*, 31(10), 2832e2839. <https://doi.org/10.1019/JSC.....1697>

Dunican, I. C., Walsh, J., Higgins, C. C., Jones, M. J., Maddison, K., Caldwell, J. A., David, H., & Eastwood, P. R. (2019). Prevalence of sleep disorders and sleep problems in an elite super rugby union team. *Journal of Sports Sciences*, 37(8), 900e907. <https://doi.org/10.1080/02640414.2018.1537092>

Eagles, A., McLellan, C., Hing, W., Carloss, N., & Lovell, D. (2016). Changes in sleep quantity and efficiency in professional rugby union players during home based training and match-play. *The Journal of Sports Medicine and Physical Fitness*, 56(5), 560e571

Ehrlenspiel, F., Erlacher, D., & Ziegler, M. (2016). Changes in subjective sleep quality before a competition and their relation to competitive anxiety. *Behavioral Sleep Medicine*, 14, 1e14. <https://doi.org/10.1080/15442042.2016.1203012>

Epstein, L. J., et al. (2009). Clinical guidance for the evaluation, management, and long-term care of obstructive sleep apnea in adults. *Journal of Clinical Sleep Medicine*, 5(3), 263e276.

Erlacher, D., Ehrlenspiel, F., Adegbesan, O., et al. (2011). Sleep habits in German athletes before important competitions or games. *Journal of Sports Sciences*, 29(8), 899e907. <https://doi.org/10.1080/02640414.2011.560782>

Espie, C. A., Broomfield, N. M., MacMahon, K. M., et al. (2006). The attention-intention-effort pathway in the development of psychophysiologic insomnia: A theoretical review. *Sleep Medicine Reviews*, 10(8), 210e220. <https://doi.org/10.1016/j.smrv.2006.03.002>

Facer-Childs, E., & Brandstaetter, R. (2010). The impact of circadian phenotype and time since awakening on diurnal performance in athletes. *Current Biology*, 20(8), 518e522. <https://doi.org/10.1016/j.cub.2010.07.036>

Fagundes, S. B. R., Fagundes, D. J. L., Luna, A. A., Bacci, A., & Waisberg, M. (2012). Prevalence of restless leg syndrome in runners. *Sleep Medicine*, 13(6), 771. <https://doi.org/10.1016/j.sleep.2012.01.001>

Fagundes, S. R., & Fagundes, D. L. (2010). What is the real role of interleukins (IL) in RLS? *Sleep Medicine*, 13(S1), Article S74. <https://doi.org/10.1016/j.sleep.2010.02.187>

Forbes-Robertson, S., Dudley, E., Vadgama, P., Cook, C., Drawer, S., & Kilduff, L. (2012). Circadian disruption and remedial interventions: Effects and interventions for jet lag for athletic peak performance. *Sports Medicine*, 42(3), 180e208. <https://doi.org/10.2165/11097800.....>

Franklin, K. A., & Lindberg, E. (2010). Obstructive sleep apnea is a common disorder in the population: A review on the epidemiology of sleep apnea. *Journal of Thoracic Disease*, 4(8), 1311e1322. <https://doi.org/10.3978/j.issn.2072-1439.2010.06.11>

George, C. F., Kab, V., Kab, P., Villa, J. J., & Levy, A. M. (2003). Sleep and breathing in professional football players. *Sleep Medicine*, 4(4), 317e320. [https://doi.org/10.1016/s1389-9450\(03\)00113-8](https://doi.org/10.1016/s1389-9450(03)00113-8)

Gottlieb, D. J., Yenokyan, G., Newman, A. B., O'Connor, G. T., Punjabi, N. M., Quan, S. F., Redline, S., Resnick, H. E., Tong, E. K., Diener-West, M., & Shahar, E. (2010). Prospective study of obstructive sleep apnea and incident coronary heart disease and heart failure: The Sleep Heart Health study. *Circulation*, 122(4), 302e310. <https://doi.org/10.1161/CIRCULATIONAHA.109.908011>

Gupta, L., Morgan, K., & Gilchrist, S. (2017). Does elite sport degrade sleep quality? A systematic review. *Sports Medicine*, 47(7), 1317e1333. <https://doi.org/10.1007/s12299-016-0700-7>

Hall, C., Poling, K., Athey, A., Alfonso-Miller, P., Gehrels, J., & Grandner, M. A. (2017). Sleep difficulties associated with academic performance in student athletes. *Sleep*, 40(Suppl. 1), Article A449. <https://doi.org/10.93/sleepj/zsx0001204>

Hill, D. W., Hill, C. M., Fields, K. L., & Smith, J. C. (1993). Effects of jet lag on factors related to sports performance. *Canadian Journal of Applied Physiology*, 18(1), 91e103. <https://doi.org/10.1139/h93-009>

Juliff, L. E., Halson, S. L., & Peiffer, J. J. (2010). Understanding sleep disturbance in athletes prior to important competitions. *Journal of Science and Medicine in Sport*, 13(1), 13e18. <https://doi.org/10.1016/j.jsams.2010.02.007>

Kalmbach, D. A., Cuamatzi-Castelan, A. S., Tonnu, C. V., et al. (2018). Hyperarousal and sleep reactivity in insomnia: Current insights. *Nature and Science of Sleep*, 10, 193e201. <https://doi.org/10.2197/NSS.S138823>

Kivlighan, K. T., Granger, D. A., & Booth, A. (2000). Gender differences in testosterone and cortisol response to competition. *Psychoneuroendocrinology*, 25(1), 9e19. <https://doi.org/10.1016/j.psyneuen.2000.02.009>

Lastella, M., Roach, G. D., Halson, S., & Sargent, C. (2016). The chronotype of elite athletes. *Journal of Human Kinetics*, 54(1), 119e120. <https://doi.org/10.1010/hukin-2016-0049>

Leeder, J., Glaister, M., Pizzoferro, K., Dawson, J., & Pedlar, C. (2012). Sleep duration and quality in elite athletes measured using wristwatch actigraphy. *Journal of Sports Sciences*, 30(6), 641e640. <https://doi.org/10.1080/02643196.2012.661888>

Leonardo-Mendonca, R. C., et al. (2010). The benefits of four weeks of melatonin treatment on circadian patterns in resistance-trained athletes. *Chronobiology International*, 27(8), 1120e1134. <https://doi.org/10.3109/07420528.2010.1069830>

Lewy, A. J., Bauer, V. K., Ahmed, S., Thomas, K. H., Cutler, N. L., Singer, C. M., Moffit, M. T., & Sack, R. L. (1998). The human phase response curve (Prc) to melatonin is about 12 hours out of phase with Prc to light. *Chronobiology International*, 15(1), 17e23. <https://doi-org.proxy.library.brocku.ca/10.3109/074205298.08998671>

Lim, W. Y., & See, K. C. (2021). Predictors of obstructive sleep apnea misclassification when using total bed time versus total sleep time. *Scientific Reports*, 11, Article 11481. <https://doi.org/10.1038/s41598-021-90818-y>

Lok, R., Zerbini, G., Gordijn, M. C. M., Beersma, D. G. M., & Hut, R. A. (2020). Gold, silver or bronze: Circadian variation strongly affects performance in Olympic athletes. *Scientific Reports*, 10. <https://doi.org/10.1038/s41598-020-77073-8>

Lucidi, F., Lombardo, C., Russo, M., et al. (2007). Sleep complaints in Italian Olympic and recreational athletes. *Journal of Clinical Sport Psychology*, 1, 121e129. <https://doi.org/10.1123/jcsp.1.2.121>

Manfredini, R., Manfredini, F., Fersini, C., & Conconi, F. (1998). Circadian rhythms, athletic performance, and jet lag. *British Journal of Sports Medicine*, 33, 101e106. <https://doi.org/10.1136/bjbm.33.2.101>

Mollicone, D. J., Van Dongen, H. P., & Dinges, D. F. (2007). Optimizing sleep/wake schedules in space: Sleep during chronic nocturnal sleep restriction with and without diurnal naps. *Acta Astronautica*, 60, 304e311. <https://doi.org/10.1016/j.actaastro.2006.09.022>

NCAA. (2018). National study of substance use habits of college student athletes.

O'Donnell, S., Bird, S., Jacobson, G., et al. (2018). Sleep and stress hormone responses to training and competition in elite female athletes. *European Journal of Sport Science*, 18, 1e8. <https://doi.org/10.1080/17461391.2018.1439030>

Ohayon, M. M., & Roth, T. (2002). Prevalence of restless leg syndrome and periodic limb movement disorder in the general population. *Journal of Psychosomatic Research*, 53, 047e004. [https://doi.org/10.1016/s0022-3999\(02\)00443-9](https://doi.org/10.1016/s0022-3999(02)00443-9)

Patil, S. P., Schneider, H., Schwartz, A. R., & Smith, P. L. (2007). Adult obstructive sleep apnea: Pathophysiology and diagnosis. *Chest*, 132(1), 320e337. <https://doi.org/10.1378/chest.07.0040>

Punjabi, N. M., Shahar, E., Redline, S., Gottlieb, D. J., Givelber, R., & Resnick, H. E. (2004). Sleep-disordered breathing, glucose intolerance, and insulin resistance: The Sleep Heart Health Study. *American Journal of Epidemiology*, 160(6), 021e030. <https://doi.org/10.1093/aje/kwh261>

Qaseem, A., Kansagara, D., Forcica, M. A., Cooke, M., & Denberg, T. D. (2016). Management of chronic insomnia disorder in adults: A clinical practice guideline from the American college of physicians. *Clinical guidelines committee of the American college of physicians. Annals of Internal Medicine*, 160(2), 120. <https://doi.org/10.7326/M15-2110>

Quadri, F., Boni, E., Pini, L., Bottone, D., Venturoli, N., Corda, L., & Tantucci, C. (2017). Exercise tolerance in obstructive sleep apnea hypopnea (OSAH), before and after CPAP treatment: Effects of autonomic dysfunction improvement. *Respiratory Physiology and Neurobiology*, 237, 010e06. <https://doi.org/10.1016/j.resp.2016.11.004>

Raikes, A., Athey, A., Alfonso-Miller, P., Killgore, W., & Grandner, M. (2019). Self-reported insomnia and daytime sleepiness are better predictors of concussion risk than prior concussion history. *Sleep*, 42. <https://doi.org/10.1093/sleep/zsz067>

Reinke, S., Taylor, W. R., Duda, G. N., von Haehling, S., Reinke, P., Volk, H. D., Anker, S. D., & Doehner, W. (2012). Absolute and functional iron deficiency in professional athletes during training and recovery. *International Journal of Cardiology*, 156, 187e191. <https://doi.org/10.1016/j.ijcard.2011.10.139>

Rice, T. B., Dunn, R. E., Lincoln, A. E., Tucker, A. M., Vogel, R. A., Heyer, R. A., Yates, A. P., Wilson, P. W., Pellmen, E. J., Allen, T. W., Newman, A. B., & Strollo, P. J., Jr. (2010). Sleep-

disordered breathing in the national football league. National football league subcommittee on cardiovascular health. *Sleep*, 33(6), 819e824. <https://doi.org/10.1093/sleep/33.6.819>

Roberts, S. S. H., Teo, W. P., & Warmington, S. A. (2019). Effects of training and competition on the sleep of elite athletes: A systematic review and meta-analysis. *British Journal of Sports Medicine*, 53, 013e022.

Roth, T., Cououvrat, C., Hajak, G., Lakoma, M. D., Sampson, N. A., Shahly, V., Shillington, A. C., Stephenson, J. J., Walsh, J. K., & Kessler, R. C. (2011). Prevalence and perceived health associated with insomnia based on DSM-IV-TR; international statistical classification of diseases and related health problems, tenth revision; and research diagnostic criteria/international classification of sleep disorders, second edition criteria: Results from the America insomnia survey. *Biological Psychiatry*, 69(6), 092e600. <https://doi.org/10.1016/j.biopsych.2010.10.022>

Rutters, F., Lemmens, S. G., Adam, T. C., Bremmer, M. A., Elders, P. J., Nijpels, G., & Dekker, J. M. (2014). Is social jetlag associated with an adverse endocrine, behavioral, and cardiovascular risk profile? *Journal of Biological Rhythms*, 29(5), 377e383. <https://doi.org/10.1177/0748730414500199>

Sack, R. L., Auckley, D., Auger, R., Carskadon, M. A., Wright, K. P., Vitiello, M. V., & Zhdanova, I. V. (2007). Circadian rhythm sleep disorders: Part 1, basic principles, shift work and jet lag disorders. *Sleep*, 30(11), 1460e1483. <https://doi.org/10.1093/sleep/30.11.1460>

Sargent, C., Halson, S., & Roach, G. D. (2014). Sleep or swim? Early-Morning training severely restricts the amount of sleep obtained by elite swimmers. *European Journal of Sport Science*, 14(1), S310eS310. <https://doi.org/10.1080/17447391.2014.967111>

Schaal, K., Tafflet, M., Nassif, H., et al. (2011). Psychological balance in high level athletes: Sex-based differences and sport-specific patterns. *PLoS One*, 6(5), Article e19007. <https://doi.org/10.1371/journal.pone.0019007>

Shifflet, D. E., Walker, E. W., Gregg, J. M., Zedalis, D., & Herbert, W. G. (2011). Effects of short-term PAP treatment on endurance exercise performance in obstructive sleep apnea patients. *Sleep Medicine*, 12(2), 150e151. [https://doi.org/10.1016/S1389-9457\(11\)00070-8](https://doi.org/10.1016/S1389-9457(11)00070-8)

Smith, R. S., Efron, B., Mah, C. D., & Malhotra, A. (2013). The impact of circadian misalignment on athletic performance in professional football players. *Sleep*, 36(12), 1999e2001. <https://doi.org/10.5665/sleep.2248>

Song, A., Severini, T., & Allada, R. (2011). How jet lag impairs Major League Baseball performance. *PNAS*, 114(6), 1407e1412. <https://doi.org/10.1073/pnas.1608447114>

Swinbourne, R., Gill, N., Vaile, J., & Smart, D. (2016). Prevalence of poor sleep quality, sleepiness and obstructive sleep apnoea risk factors in athletes. *European Journal of Sport Science*, 16, 800e808. <https://doi.org/10.1080/17447391.2016.1120781>

Tuomilehto, H., Vuorinen, V. P., Penttilä, E., Kivimäki, M., Vuorenmaa, M., Venojärvi, M., Airaksinen, O., & Pihlajamäki, J. (2017). Sleep of professional athletes: Underexploited potential to improve health and performance. *Journal of Sports Sciences*, 35(7), 704e710. <https://doi.org/10.1080/02646196.2016.1184300>

van de Laar, M., Verbeek, I., Pevernagie, D., et al. (2010). The role of personality traits in insomnia. *Sleep Medicine Reviews*, 14(1), 11e18. <https://doi.org/10.1016/j.smrv.2009.07.004>

Veale, J. P., & Pearce, A. J. (2009). Physiological responses of elite junior Australian rules footballers during match-play. *Journal of Sports Science and Medicine*, 8, 314e319.

Vitale, J. A., Banfi, G., Sias, M., & La Torre, A. (۲۰۱۹). Athletes' rest-activity circadian rhythm differs in accordance with the sport discipline. *Chronobiology International*, ۳۶(۴), ۵۷۸e۵۸۶. <https://doi.org/10.1080/07420528.2019.1669673>

Vitale, J. A., Bonato, M., Galasso, L., La Torre, A., Merati, G., Montaruli, A., Roveda, E., & Carandente, F. (۲۰۱۷). Sleep quality and high intensity interval training at two different times of day: A crossover study on the influence of chronotype in male collegiate soccer players. *The Journal of Biological and Medical Rhythm Research*, ۳۴(۲), ۲۶۰e۲۶۸. <https://doi.org/10.1080/07420528.2017.1206301>

Walsh, N. P., Halson, S. L., Sargent, C., Roach, G. D., Nedelec, M., Gupta, L., Leeder, J., Fullagar, H. H., Coutts, A. J., Edwards, B. J., Pullinger, S. A., Robertson, C. M., Burniston, J. G., Lastella, M., Le Meur, Y., Hausswirth, C., Bender, A. M., Grandner, M. A., & Samuels, C. H. (۲۰۲۱). Sleep and the athlete: Narrative review and ۲۰۲۱ expert consensus recommendations. *British Journal of Sports Medicine*, ۵, ۱e۱۳. <https://doi.org/10.1136/bjsports-2020-102020>

Watson, N. F., Badr, M. S., Belenky, G., Bliwise, D. L., Buxton, O. M., Buysse, D., Dinges, D. F., Gangwisch, J., Grandner, M. A., Kushida, C., et al. (۲۰۱۵). Recommended amount of sleep for a healthy adult: A joint consensus statement of the American Academy of sleep medicine and sleep research society. *Journal of Clinical Sleep Medicine*, ۱۱, ۵۹۱e۵۹۲. <https://doi.org/10.5666/sleep.4717>

Young, T., Peppard, P. E., & Gottlieb, D. J. (۲۰۰۲). Epidemiology of obstructive sleep apnea: A population health perspective. *American Journal of Respiratory and Critical Care Medicine*, ۱۶۵(۹), ۱۲۱۷e۱۲۳۹. <https://doi.org/10.1164/rccm.2109080>

## منابع فصل چهارم

Adams, R., Appleton, S., Taylor, A., Mcevoy, D., & Antic, N. (۲۰۱۶). Report to the sleep health foundation ۲۰۱۶ sleep health survey of Australian adults. Sleep Health Foundation. Retrieved from <https://www.sleephealthfoundation.org.au/pdfs/surveys/SleepHealthFoundation-Survey.pdf>.

American Psychiatric Association, A. P.. (۲۰۱۳). Diagnostic and statistical manual of mental disorders (DSM-۵). American Psychiatric Pub.

Backhaus, J., Junghanns, K., Broocks, A., Riemann, D., & Hohagen, F. (۲۰۰۲). Test-retest reliability and validity of the Pittsburgh Sleep Quality Index in primary insomnia. *Journal of Psychosomatic Research*, ۵۳, ۷۳۷e۷۴۰.

Biggins, M., Cahalan, R., Comyns, T., Purtil, H., & O'sullivan, K. (2018). Poor sleep is related to lower general health, increased stress and increased confusion in elite Gaelic athletes. *The Physician and Sportsmedicine*, 46, 1452.

Biggins, M., Purtil, H., Fowler, P., Bender, A., Sullivan, K. O., Samuels, C., & Cahalan, R. (2019). Sleep in elite multi-sport athletes: Implications for athlete health and wellbeing. *Physical Therapy in Sport*, 39, 136142.

Blwise, D., Freeman, A., Ingram, C., Rye, D., Chakravorty, S., & Watts, R. (2020). Randomized, double-blind, placebo-controlled, short-term trial of ropinirole in restless legs syndrome. *Sleep Medicine*, 7, 141147.

Blumert, P. A., Crum, A. J., Ernsting, M., Volek, J. S., Hollander, D. B., Haff, E. E., & Haff, G. G. (2020). The acute effects of twenty-four hours of sleep loss on the performance of national-caliber male collegiate weightlifters. *The Journal of Strength & Conditioning Research*, 34, 11471154.

Brand, S., & Kirov, R. (2011). Sleep and its importance in adolescence and in common adolescent somatic and psychiatric conditions. *International Journal of General Medicine*, 4, 420.

Brown, F. C., Buboltz Jr, W. C., & Soper, B. (2020). Relationship of sleep hygiene awareness, sleep hygiene practices, and sleep quality in university students. *Behavioral Medicine*, 38, 33338.

Brown, T. P., Shuker, L. K., Rushton, L., Warren, F., & Stevens, J. (2001). The possible effects on health, comfort and safety of aircraft cabin environments. *Journal of the Royal Society for the Promotion of Health*, 31, 176184.

Buscemi, N., Vandermeer, B., Hooton, N., Pandya, R., Tjosvold, L., Hartling, L., Baker, G., Klassen, T. P., & Vohra, S. (2020). The efficacy and safety of exogenous melatonin for primary sleep disorders. A meta-analysis. *Journal of General Internal Medicine*, 35, 11011108.

Byusse, D. J., Reynolds Iii, C. F., Monk, T. H., Berman, S. R., & Kupfer, D. J. (1989). The Pittsburgh Sleep quality index: A new instrument for psychiatric practice and research. *Psychiatry Research*, 28, 193213.

Caia, J., Scott, T. J., Halson, S. L., & Kelly, V. G. (2018). The influence of sleep hygiene education on sleep in professional rugby league athletes. *Sleep Health*, 4, 364378.

Caia, J., Thornton, H. R., Kelly, V. G., Scott, T. J., Halson, S. L., Cupples, B., & Driller, M. W. (2018). Does self-perceived sleep reflect sleep estimated via activity monitors in professional rugby league athletes? *Journal of Sports Sciences*, 36, 14921497.

Carrier, J., Paquet, J., Fernandez-Bolanos, M., Girouard, L., Roy, J., Selmaoui, B., & Filipini, D. (2009). Effects of caffeine on daytime recovery sleep: A double challenge to the sleep-wake cycle in aging. *Sleep Medicine*, 10, 1171174.

Chase, J. D., Roberson, P. A., Saunders, M. J., Hargens, T. A., Womack, C. J., & Luden, N. D. (2017). One night of sleep restriction following heavy exercise impairs 7-km cycling time-trial performance in the morning. *Applied Physiology Nutrition and Metabolism*, 42, 991100.

Cook, C., Beaven, C. M., Kilduff, L. P., & Drawer, S. (2012). Acute caffeine ingestion's increase of voluntarily chosen resistance-training load after limited sleep. *International Journal of Sport Nutrition and Exercise Metabolism*, 22, 1071174.

Dahl, R. E., & Lewin, D. S. (2002). Pathways to adolescent health sleep regulation and behavior. *Journal of Adolescent Health*, 31, 170e184.

Del Coso, J., Portillo, J., Munoz, G., Abian-Vicen, J., Gonzalez-Millan, C., & Munoz-Guerra, J. (2013). Caffeine-containing energy drink improves sprint performance during an international rugby sevens competition. *Amino Acids*, 44, 1011e1019.

Del Coso, J., Ramirez, J. A., Munoz, G., Portillo, J., Gonzalez-Millan, C., Munoz, V., Barbero-Alvarez, J. C., & Munoz-Guerra, J. (2013). Caffeine-containing energy drink improves physical performance of elite rugby players during a simulated match. *Applied Physiology Nutrition and Metabolism*, 38, 368e374.

Dobrosielski, D. A., Nichols, D., Ford, J., Watts, A., Wilder, J. N., & Douglass-Burton, T. (2016). Estimating the prevalence of sleep-disordered breathing among collegiate football players. *Respiratory Care*, 61, 1144e1150. 82

Sleep and Sport Doherty, R., Madigan, S., Warrington, G., & Ellis, J. (2019). Sleep and nutrition interactions: Implications for athletes. *Nutrients*, 11, 822.

Driver, H. S., Rogers, G. G., Mitchell, D., Borrow, S. J., Allen, M., Luus, H. G., & Shapiro, C. M. (1994). Prolonged endurance exercise and sleep disruption. *Medicine & Science in Sports & Exercise*, 26, 93e907.

Dunican, I. C., Higgins, C. C., Jones, M. J., Clarke, M. W., Murray, K., Dawson, B., Caldwell, J. A., Halson, S. L., & Eastwood, P. R. (2018). Caffeine use in a Super Rugby game and its relationship to post-game sleep. *European Journal of Sport Science*, 18, 013e022.

Dunican, I. C., Martin, D. T., Halson, S. L., Reale, R. J., Dawson, B. T., Caldwell, J. A., Jones, M. J., & Eastwood, P. R. (2017). The effects of the removal of electronic devices for 8 hours on sleep in elite judo athletes. *The Journal of Strength & Conditioning Research*, 31, 2832e2839.

Dunican, I. C., Walsh, J., Higgins, C. C., Jones, M. J., Maddison, K., Caldwell, J. A., David, H., & Eastwood, P. R. (2019). Prevalence of sleep disorders and sleep problems in an elite super rugby union team. *Journal of Sports Sciences*, 37, 90e907.

Eudy, A. E., Gordon, L. L., Hockaday, B. C., Lee, D. A., Lee, V., Luu, D., Martinez, C. A., & Ambrose, P. J. (2013). Efficacy and safety of ingredients found in preworkout supplements. *American Journal of Health-System Pharmacy*, 70, 077e088.

Fagundes, S. B., Fagundes, D. J., Luna, A. A., Bacci, A., & Waisberg, M. (2012). Prevalence of restless legs syndrome in runners. *Sleep Medicine*, 13, 771.

Fietze, I., Strauch, J., Holzhausen, M., Glos, M., Theobald, C., Lehnkering, H., & Penzel, T. (2009). Sleep quality in professional ballet dancers. *Chronobiology International*, 26, 1249e1262.

Flower, D. J., Irvine, D., & Folkard, S. (2003). Perception and predictability of travel fatigue after long-haul flights: A retrospective study. *Aviation Space & Environmental Medicine*, 74, 173e179.

Forbes-Robertson, S., Dudley, E., Vadgama, P., Cook, C., Drawer, S., & Kilduff, L. (2012). Circadian disruption and remedial interventions. *Sports Medicine*, 42, 180e208.

Fossum, I. N., Nordnes, L. T., Storemark, S. S., Bjorvatn, B., & Pallesen, S. (2014). The association between use of electronic media in bed before going to sleep and insomnia symptoms, daytime sleepiness, morningness, and chronotype. *Behavioral Sleep Medicine*, 12, 333e347.

Fowler, P., Duffield, R., Howle, K., Waterson, A., & Vaile, J. (2010). Effects of northbound long-haul international air travel on sleep quantity and subjective jet lag and wellness in professional Australian soccer players. *International Journal of Sports Physiology and Performance*, 10, 648-654.

Franklin, K. A., & Lindberg, E. (2010). Obstructive sleep apnea is a common disorder in the population: a review on the epidemiology of sleep apnea. *Journal of Thoracic Disease*, 4, 1311.

Franzen, P. L., & Buysse, D. J. (2008). Sleep disturbances and depression: Risk relationships for subsequent depression and therapeutic implications. *Dialogues in Clinical Neuroscience*, 10, 473.

Fullagar, H. H., Duffield, R., Skorski, S., White, D., Bloomfield, J., Kolling, S., & Meyer, T. (2016). Sleep, travel, and recovery responses of national footballers during and after long-haul international air travel. *International Journal of Sports Physiology and Performance*, 11, 869-876.

Fuller, K. L., Juliff, L., Gore, C. J., Peiffer, J. J., & Halson, S. L. (2017). Software thresholds alter the bias of actigraphy for monitoring sleep in team-sport athletes. *Journal of Science and Medicine in Sport*, 20, 967-971.

George, C. F., Kab, V., Kab, P., Villa, J. J., & Levy, A. M. (2003). Sleep and breathing in professional football players. *Sleep Medicine*, 4, 319-326.

Gouttebauge, V., & Kerkhoffs, G. (2020). Psychological aspects in elite athletes. In *Injury and health risk management in sports* (pp. 341-346). Berlin, Heidelberg: Springer.

Grandner, M. A., & Athey, A. B. (2017). Project REST: Recovery enhancement & sleep training. [https://www.ncaa.org/sites/default/files/2017RES\\_InnoGrant\\_Grandner\\_Slides\\_2017\\_20170206.pdf](https://www.ncaa.org/sites/default/files/2017RES_InnoGrant_Grandner_Slides_2017_20170206.pdf)

Gupta, L., Morgan, K., & Gilchrist, S. (2017). Does elite sport degrade sleep quality? A systematic review. *Sports Medicine*, 47(7), 1319-1333.

Halson, S. L. (2014). Sleep in elite athletes and nutritional interventions to enhance sleep. *Sports Medicine*, 44, 13-23.

Harris, A., Gundersen, H., Mørk-Andreassen, P., Thun, E., Bjorvatn, B., & Pallesen, S. (2010). Restricted use of electronic media, sleep, performance, and mood in high school athletes: a randomized trial. *Sleep Health*, 1, 314-321.

Harty, P. S., Zabriskie, H. A., Erickson, J. L., Molling, P. E., Kerksick, C. M., & Jagim, A. R. (2018). Multi-ingredient pre-workout supplements, safety implications, and performance outcomes: A brief review. *Journal of the International Society of Sports Nutrition*, 15, 1-8.

Hirshkowitz, M., Whiton, K., Albert, S. M., Alessi, C., Bruni, O., DonCarlos, L., Hazen, N., Herman, J., Katz, E. S., & Kheirandish-Gozal, L. (2010). National sleep foundation's sleep time duration recommendations: Methodology and results summary. *Sleep Health*, 1, 40-43.

Johns, M. W. (1992). Reliability and factor analysis of the Epworth sleepiness Scale. *Sleep*, 15, 376-381.

Jones, M. J., Peeling, P., Dawson, B., Halson, S., Miller, J., Dunican, I., Clarke, M., Goodman, C., & Eastwood, P. (2018). Evening electronic device use: The effects on alertness, sleep and next-day physical performance in athletes. *Journal of Sports Sciences*, 36, 169-174.

Juliff, L. E., Halson, S. L., & Peiffer, J. J. (2010). Understanding sleep disturbance in athletes prior to important competitions. *Journal of Science and Medicine in Sport*, 14, 13-18.

Juliff, L. E., Peiffer, J. J., & Halson, S. L. (2018). Night games and sleep: Physiological, neuroendocrine, and psychometric mechanisms. *International Journal of Sports Physiology and Performance*, 13, 876-883.

Keenan, S. A. (1994). Polysomnographic technique: An overview. *Sleep Disorders Medicine*, 7, 99-104.

Kroshus, E., Wagner, J., Wyrick, D., Athey, A., Bell, L., Benjamin, H. J., Grandner, M. A., Kline, C. E., Mohler, J. M., & Prichard, J. R. (2019). Wake up call for collegiate athlete sleep: Narrative review and consensus recommendations from the NCAA interassociation task Force on sleep and wellness. *British Journal of Sports Medicine*, 53, 1197-1206.

Kushida, C. A., Chang, A., Gadkary, C., Guilleminault, C., Carrillo, O., & Dement, W. C. (2001). Comparison of actigraphic, polysomnographic, and subjective assessment of sleep parameters in sleep-disordered patients. *Sleep Medicine*, 2, 389-396.

Lara, B., Gonzalez-Millán, C., Salinero, J. J., Abian-Vicen, J., Areces, F., Barbero-Alvarez, J. C., Muñoz, V., Portillo, L. J., Gonzalez-Rave, J. M., & Del Coso, J. (2014). Caffeine-containing energy drink improves physical performance in female soccer players. *Amino Acids*, 46, 1380-1392.

Lastella, M., Roach, G. D., Halson, S. L., Martin, D. T., West, N. P., & Sargent, C. (2010). Sleep/wake behaviour of endurance cyclists before and during competition. *Journal of Sports Sciences*, 28, 293-299.

Leeder, J. D., Gardner, A. S., Foley, S., Van Someren, K., & Pedlar, C. R. (2009). The effect of jet lag on parameters of sleep in elite divers quantified by actigraphy. *Medicine & Science in Sports & Exercise*, 41, 1060-1068.

Leeder, J., Glaister, M., Pizzoferro, K., Dawson, J., & Pedlar, C. (2012). Sleep duration and quality in elite athletes measured using wristwatch actigraphy. *Journal of Sports Sciences*, 30, 1040-1048.

Leonardo-Mendonca, R. C., Martinez-Nicolas, A., De Teresa Galvan, C., Ocana-Wilhelmi, J., Rusanova, I., Guerra-Hernandez, E., Escames, G., & Acuna-Castroviejo, D. (2010). The benefits of four weeks of melatonin treatment on circadian patterns in resistance-trained athletes. *Chronobiology International*, 27, 1120-1134.

Lucidi, F., Lombardo, C., Russo, P. M., Devoto, A., & Violani, C. (2007). Sleep complaints in Italian Olympic and recreational athletes. *Journal of Clinical Sport Psychology*, 1, 121-129.

Macara, C. A., Aralis, H. J., Rauh, M. J., & Macgregor, A. J. (2013). Do sleep problems mediate the relationship between traumatic brain injury and development of mental health symptoms after deployment? *Sleep*, 36, 83-90.

Mah, C. D., Kezirian, E. J., Marcello, B. M., & Dement, W. C. (2018). Poor sleep quality and insufficient sleep of a collegiate student-athlete population. *Sleep Health*, 4, 201-207.

Mah, C. D., Mah, K. E., Kezirian, E. J., & Dement, W. C. (2011). The effects of sleep extension on the athletic performance of collegiate basketball players. *Sleep*, 34, 933-940.

Martin, J. L., & Hakim, A. D. (2011). Wrist actigraphy. *Chest*, 139, 1014-1022.

Maughan, R. J., Burke, L. M., Dvorak, J., Larson-Meyer, D. E., Peeling, P., Phillips, et al. (2018). IOC consensus statement: Dietary supplements and the high-performance athlete. *International Journal of Sport Nutrition and Exercise Metabolism*, 28, 104-120.

Mezick, E. J., Matthews, K. A., Hall, M., Strollo Jr, P. J., Buysse, D. J., Kamarck, T. W., et al. (2008). Influence of race and socioeconomic status on sleep: Pittsburgh Sleep SCORE project. *Psychosomatic Medicine*, 70(2), 110.

Milewski, M. D., Skaggs, D. L., Bishop, G. A., Pace, J. L., Ibrahim, D. A., Wren, T. A., et al. (2014). Chronic lack of sleep is associated with increased sports injuries in adolescent athletes. *Journal of Pediatric Orthopaedics*, 34, 129e133.

Miller, B., O'connor, H., Orr, R., Ruell, P., Cheng, H. L., & Chow, C. M. (2014). Combined caffeine and carbohydrate ingestion: Effects on nocturnal sleep and exercise performance in athletes. *European Journal of Applied Physiology*, 114, 2029e2037.

Miller, D. J., Sargent, C., Vincent, G. E., Roach, G. D., Halson, S. L., & Lastella, M. (2017). Sleep/wake behaviors in elite athletes from three different football codes. *Journal of Sports Science & Medicine*, 16(2), 70.

Monma, T., Ando, A., Asanuma, T., Yoshitake, Y., Yoshida, G., Miyazawa, T., et al. (2018). Sleep disorder risk factors among student athletes. *Sleep Medicine*, 44, 17e18.

Morin, C. M., & Benca, R. (2012). Chronic insomnia. *Lancet*, 379, 1129e1141.

Mountjoy, M., Sundgot-Borgen, J., Burke, L., Carter, S., Constantini, N., Lebrun, C., et al. (2014). The IOC consensus statement: Beyond the female athlete triad/relative energy deficiency in sport (RED-S). *British Journal of Sports Medicine*, 48, 141e147.

O'donnell, S., & Driller, M. W. (2017). Sleep-hygiene education improves sleep indices in elite female athletes. *International Journal of Exercise Science*, 10, 22.

Ohayon, M. M., & Roth, T. (2002). Prevalence of restless legs syndrome and periodic limb movement disorder in the general population. *Journal of Psychosomatic Research*, 53, 29e34.

Ohayon, M., Wickwire, E. M., Hirshkowitz, M., Albert, S. M., Avidan, A., Daly, F. J., et al. (2017). National sleep foundation's sleep quality recommendations: First report. *Sleep Health*, 3, 7e9.

Oliver, S. J., Costa, R. J., Laing, S. J., Bilzon, J. L., & Walsh, N. P. (2009). One night of sleep deprivation decreases treadmill endurance performance. *European Journal of Applied Physiology*, 107, 100e111.

Orff, H. J., Meliska, C. J., Martinez, L. F., & Parry, B. L. (2014). The influence of sex and gonadal hormones on sleep disorders. *ChronoPhysiology and Therapy*, 4, 10e20.

Owens, J. F., Buysse, D. J., Hall, M., Kamarck, T. W., Lee, L., Strollo, P. J., et al. (2010). Napping, nighttime sleep, and cardiovascular risk factors in midlife adults. *Journal of Clinical Sleep Medicine*, 6, 33e38.

Pallarés, J. G., Fernandez-Elias, V. E., Ortega, J. F., Munoz, G., Munoz-Guerra, J., & Mora-Rodriguez, R. (2013). Neuromuscular responses to incremental caffeine doses: Performance and side effects. *Medicine & Science in Sports & Exercise*, 45, 2184e2192.

Prentice, C., Stannard, S. R., & Barnes, M. J. (2010). Effects of heavy episodic drinking on physical performance in club level rugby union players. *Journal of Science and Medicine in Sport*, 14, 278e281.

Ramsawh, H. J., Stein, M. B., Belik, S.-L., Jacobi, F., & Sareen, J. (2009). Relationship of anxiety disorders, sleep quality, and functional impairment in a community sample. *Journal of Psychiatric Research*, 43, 927e933.

Ramsey, T., Athey, A., Ellis, J., Tubbs, A., Turner, R., Killgore, W. D., et al. (2019). Dose-response relationship between insufficient sleep and mental health symptoms in collegiate student athletes and non-athletes. *Sleep*, 42, A377-A377.

Reardon, C. L., Hainline, B., Aron, C. M., Baron, D., Baum, A. L., Bindra, A., et al. (2019). Mental health in elite athletes: International Olympic Committee consensus statement. *British Journal of Sports Medicine*, 53, 1676-1699.

Reilly, T., & Edwards, B. (2007). Altered sleep-wake cycles and physical performance in athletes. *Physiology & Behavior*, 90, 275-284.

Rice, T. B., Dunn, R. E., Lincoln, A. E., Tucker, A. M., Vogel, R. A., Heyer, R. A., et al. (2010). Sleep-disordered breathing in the national football league. *Sleep*, 33, 1198-1201.

Robson-Ansley, P. J., Gleeson, M., & Ansley, L. (2009). Fatigue management in the preparation of Olympic athletes. *Journal of Sports Sciences*, 27, 1091-1097.

Roehrs, T., & Roth, T. (2001). Sleep, sleepiness, sleep disorders and alcohol use and abuse. *Sleep Medicine Reviews*, 5, 287-297.

Romyn, G., Robey, E., Dimmock, J. A., Halson, S. L., & Peeling, P. (2016). Sleep, anxiety and electronic device use by athletes in the training and competition environments. *European Journal of Sport Science*, 16, 301-308.

Salinero, J. J., Lara, B., Abian-Vicen, J., Gonzalez-Millán, C., Areces, F., Gallo-Salazar, C., et al. (2014). The use of energy drinks in sport: Perceived ergogenicity and side effects in male and female athletes. *British Journal of Nutrition*, 112, 149-157.

Samuels, C. (2008). Sleep, recovery, and performance: The new frontier in high-performance athletics. *Neurologic Clinics*, 26, 169-180.

Santos, V. G., Santos, V. R., Felipe, L. J., Almeida, J. W., Bertuzzi, R., Kiss, M. A., et al. (2014). Caffeine reduces reaction time and improves performance in simulated-contest of taekwondo. *Nutrients*, 6, 637-649.

Sargent, C., Halson, S., & Roach, G. D. (2014). Sleep or swim? Early-Morning training severely restricts the amount of sleep obtained by elite swimmers. *European Journal of Sport Science*, 14, S31-S31.

Sargent, C., Lastella, M., Halson, S. L., & Roach, G. D. (2014). The impact of training schedules on the sleep and fatigue of elite athletes. *Chronobiology International*, 31, 116-116.

Sargent, C., Lastella, M., Halson, S. L., & Roach, G. D. (2016). The validity of activity monitors for measuring sleep in elite athletes. *Journal of Science and Medicine in Sport*, 19, 888-893.

Sateia, M. J. (2014). International classification of sleep disorders. *Chest*, 146, 1387-1394.

Schaal, K., Tafflet, M., Nassif, H., Thibault, V., Pichard, C., Alcotte, M., et al. (2011). Psychological balance in high level athletes: Gender-based differences and sport-specific patterns. *PLoS One*, 6, Article e19007.

Silva, A., Queiroz, S. S., Winckler, C., Vital, R., Sousa, R. A., Fagundes, V., et al. (2012). Sleep quality evaluation, chronotype, sleepiness and anxiety of Paralympic Brazilian athletes: Beijing 2008 Paralympic Games. *British Journal of Sports Medicine*, 46, 100-104.

Stracciolini, A., Mccracken, C. M., Milewski, M. D., & Meehan, B. (۲۰۱۹). Lack of sleep among youth athletes is associated with a higher prevalence of self-reported history of anxiety and depression. *Orthopaedic Journal of Sports Medicine*, ۷(۳\_Suppl. 1).

Swinbourne, R., Gill, N., Vaile, J., & Smart, D. (۲۰۱۶). Prevalence of poor sleep quality, sleepiness and obstructive sleep apnoea risk factors in athletes. *European Journal of Sport Science*, ۱۶, ۸۵۰e۸۵۸.

Swinbourne, R., Miller, J., Smart, D., Dulson, D., & Gill, N. (۲۰۱۸). The effects of sleep extension on sleep, performance, immunity and physical stress in rugby players. *Sports*, ۶, ۴۲.

Thornton, H. R., Miller, J., Taylor, L., Sargent, C., Lastella, M., & Fowler, P. M. (۲۰۱۸). Impact of short- compared to long-haul international travel on the sleep and wellbeing of national wheelchair basketball athletes. *Journal of Sports Sciences*, ۳۶, ۱۴۷۶e۱۴۸۴.

Tuomilehto, H., Vuorinen, V. P., Penttila, E., Kivimaki, M., Vuorenmaa, M., Venojarvi, M., et al. (۲۰۱۷). Sleep of professional athletes: Underexploited potential to improve health and performance. *Journal of Sports Sciences*, ۳۵, ۷۰۴e۷۱۰.

Van Dongen, H. P., Maislin, G., Mullington, J. M., & Dinges, D. F. (۲۰۰۳). The cumulative cost of additional wakefulness: Dose-response effects on neurobehavioral functions and sleep physiology from chronic sleep restriction and total sleep deprivation. *Sleep*, ۲۶, ۱۱۷e۱۲۶.

Viola-Saltzman, M., & Watson, N. F. (۲۰۱۲). Traumatic brain injury and sleep disorders. *Neurologic Clinics*, ۳۰, ۱۲۹۹e۱۳۱۲.

Vitale, J. A., Banfi, G., Galbiati, A., Ferini-Strambi, L., & La Torre, A. (۲۰۱۹). Effect of a night game on actigraphy-based sleep quality and perceived recovery in top-level volleyball athletes. *International Journal of Sports Physiology and Performance*, ۱۴, ۲۶۵e۲۶۹.

Watson, N. F., Badr, M. S., Belenky, G., Bliwise, D. L., Buxton, O. M., Buysse, D., et al. (۲۰۱۵). Recommended amount of sleep for a healthy adult: A joint consensus statement of the American Academy of sleep medicine and sleep research society. *Journal of Clinical Sleep Medicine*, ۱۱, ۵۹۱e۵۹۲.

Watson, N. F., Dikmen, S., Machamer, J., Doherty, M., & Temkin, N. (۲۰۰۷). Hypersomnia following traumatic brain injury. *Journal of Clinical Sleep Medicine*, ۳, ۳۶۳e۳۶۸.

## منابع فصل پنجم

Ancoli-Israel, S., Martin, J. L., Blackwell, T., Buenaer, L., Liu, L., Meltzer, L. J., Sadeh, A., Spira, A. P., & Taylor, D. J. (۲۰۱۵). The SBSM guide to actigraphy monitoring: Clinical and research applications. *Behavioral Sleep Medicine*, ۱۳(۱), S۴eS۳۸.

Bender, A. M., Lawson, D., Werthner, P., & Samuels, C. H. (۲۰۱۸). The clinical validation of the Athlete Sleep Screening Questionnaire: An instrument to identify athletes that need further sleep assessment. *Sports MedicinesOpen*, ۴(۱), ۱e۸. <https://doi.org/10.1186/s40798-018-0140-5>

Berry, R. B., Brooks, R., Gamaldo, C. E., Harding, S. M., Marcus, C., & Vaughn, B. V. (2012). The AASM manual for the scoring of sleep and associated events, Vol 176. Rules, terminology and technical specifications (p. 2012). Darien, Illinois: American Academy of Sleep Medicine.

Berryman, J. W. (2012). Motion and rest: Galen on exercise and health. *The Lancet*, 380(9838), 210e211.

Biggins, M., Cahalan, R., Comyns, T., Purtill, H., & O'Sullivan, K. (2018). Poor sleep is related to lower general health, increased stress and increased confusion in elite Gaelic athletes. *The Physician and Sportsmedicine*, 46(1), 1e20. <https://doi.org/10.1080/00913148.2018.1417208>

Bioulac, S., Franchi, J. A. M., Arnaud, M., Sagaspe, P., Moore, N., Salvo, F., & Philip, P. (2017). Risk of motor vehicle accidents related to sleepiness at the wheel: A systematic review and meta-analysis. *Sleep*, 40(10).

Bleyer, F. T. de S., Barbosa, D. G., Andrade, R. D., Teixeira, C. S., & Felden, É. P. G. (2010). Sleep and musculoskeletal complaints among elite athletes of Santa Catarina/Sono e queixas musculoesqueléticas de atletas de elite catarinenses. *Revista Dor*, 16(2), 102e108. <https://doi.org/10.0930/18.6-013,2.10.02>

Borghini, G., Vecchiato, G., Toppi, J., Astolfi, L., Maglione, A., Isabella, R., ... Polidori, L. (August 2012). Assessment of mental fatigue during car driving by using high resolution EEG activity and neurophysiologic indices. 2012 annual international conference of the IEEE engineering in medicine and biology society (pp. 7442e7445). IEEE.

Brager, A. J., Demiral, S., Choynowski, J., Kim, J., Campbell, B., Capaldi, V. F., Simonelli, G., & Hammer, S. (2020). Earlier shift in race pacing can predict future performance during a single-effort ultramarathon under sleep deprivation. *Sleep Science*, 13(1), 20e31. <https://doi.org/10.0930/1984-063,2.19.132>

Burke, T. M., Lisman, P. J., Maguire, K., Skeiky, L., Choynowski, J. J., Capaldi, V. F., 2nd, Wilder, J. N., Brager, A. J., & Dobrosielski, D. A. (2020). Examination of sleep and injury among college football athletes. *The Journal of Strength and Conditioning Research*, 34(3), 609e616. <https://doi.org/10.1019/JSC.0000000000003474>

Buysse, D. J. (2014). Sleep health: Can we define it? Does it matter? *Sleep*, 37(1), 9e17. Caia, J., Thornton, H. R., Kelly, V. G., Scott, T. J., Halson, S. L., Cupples, B., & Driller, M. W. (2018). Does self-perceived sleep reflect sleep estimated via activity monitors in professional rugby league athletes? *Journal of Sports Sciences*, 36(13), 1492e1496.

Carney, C. E., Buysse, D. J., Ancoli-Israel, S., Edinger, J. D., Krystal, A. D., Lichstein, K. L., & Morin, C. M. (2012). The consensus sleep diary: Standardizing prospective sleep self-monitoring. *Sleep*, 35(2), 287e302.

Chinoy, E. D., Cuellar, J. A., Huwa, K. E., Jameson, J. T., Watson, C. H., Bessman, S. C., Hirsch, D. A., Cooper, A. D., Drummond, S. P. A., & Markwald, R. R. (2020). Performance of seven consumer sleep-tracking devices compared with polysomnography. *Sleep*, 43(5), zsa291. <https://doi.org/10.1093/sleep/zsa291>

Croteau, K. A., Eduljee, N., Murphy, L., & Ahearn, L. (2019). Health and lifestyle behaviors of U.S. Master's world cup field hockey players. *Medicine and Science in Sports and Exercise*, 51(7), 1313. <https://doi.org/10.1249/01.mss.0000561144.30403.7d>

Darendeli, A., Diker, G., & Çönar, Z. (2019). Athlete sleep behavior questionnaire Turkish version: Study of validity and reliability. *Journal of Turkish Sleep Medicine*, 7(2), 43-48. <https://doi.org/10.4274/jtstm.galenos.2019.08.076>

Dobrosielski, D. A., Nichols, D., Ford, J., Watts, A., Wilder, J. N., & Douglass-Burton, T. (2016). Estimating the prevalence of sleep-disordered breathing among collegiate football players. *Respiratory Care*, 61(9), 1144-1150.

Driller, M. W., Mah, C. D., & Halson, S. L. (2018). Development of the athlete sleep behavior questionnaire: a tool for identifying maladaptive sleep practices in elite athletes. *Sleep Science*, 11(1), 37-44. <https://doi.org/10.5937/1984-0073.2018.009>

Dunican, I. C., Martin, D. T., Halson, S. L., Reale, R. J., Dawson, B. T., Caldwell, J. A., Jones, M. J., & Eastwood, P. R. (2017). The effects of the removal of electronic devices for 8 hours on sleep in elite judo athletes. *The Journal of Strength and Conditioning Research*, 31(10), 2832-2839.

Erlacher, D., Ehrlenspiel, F., Adegbesan, O., & Galal El-Din, H. (2011). Sleep habits in German athletes before important competitions or games. *Journal of Sports Sciences*, 29(8), 898-906.

Fietze, I., Strauch, J., Holzhausen, M., Glos, M., Theobald, C., Lehnkering, H., & Penzel, T. (2009). Sleep quality in professional ballet dancers. *Chronobiology International*, 26(6), 649-656.

Fullagar, H. H., Sampson, J. A., Delaney, J., McKay, B., & Murray, A. (2009). The relationship between objective measures of sleep and training load across different phases of the season in American collegiate football players. *Science and Medicine in Football*, 3(2), 276-282.

George, C. F., Kab, V., Kab, P., Villa, J. J., & Levy, A. M. (2003). Sleep and breathing in professional football players. *Sleep Medicine*, 4(2), 317-320.

Gerber, M., Best, S., Meerstetter, F., Isoard-Gautheur, S., Gustafsson, H., Bianchi, R., Madigan, D. J., Colledge, F., Ludyga, S., Holsboer-Trachsler, E., & Brand, S. (2018). Cross-sectional and longitudinal associations between athlete burnout, insomnia, and polysomnographic indices in young elite athletes. *Journal of Sport and Exercise Psychology*, 40(6), 312-324.

Gupta, L., Morgan, K., North, C., & Gilchrist, S. (2020). Napping in high-performance athletes: Sleepiness or sleepability? *European Journal of Sport Science*, 1-10. <https://doi.org/10.1080/17467139.2020.1743760>

Haghighat, S., Khoshnevis, S., Smolensky, M. H., Diller, K. R., & Castriotta, R. J. (2019). Accuracy of wristband Fitbit models in assessing sleep: Systematic review and meta-analysis. *Journal of Medical Internet Research*, 21(11), Article e16673.

Halson, S. L. (2014). Sleep in elite athletes and nutritional interventions to enhance sleep. *Sports Medicine*, 44(1), 13-23.

Halson, S. L. (2019). Sleep monitoring in athletes: Motivation, methods, miscalculations and why it matters. *Sports Medicine*, 49, 1447-1457.

Hirshkowitz, M., Whiton, K., Albert, S. M., Alessi, C., Bruni, O., DonCarlos, L., Hazen, N., Herman, J., Katz, E. S., Kheirandish-Gozal, L., & Neubauer, D. N. (2015). National sleep foundation's sleep time duration recommendations: Methodology and results summary. *Sleep Health*, 1(1), 40-43.

Hurlston, A., Foster, S., Creamer, J., Brock, M. S., Matsangas, P., Moore, B. A., & Mysliwiec, V. (2019). The Epworth Sleepiness Scale in service members with sleep disorders. *Military Medicine*, 184(11e12), e101e107. <https://doi.org/10.1093/milmed/usz.116>

Hwang, S., & Choi, Y. (2016). Data mining in the exploration of stressors among NCAA student athletes. *Psychological Reports*, 119(3), 787e803. <https://doi.org/10.1177/0033294116664776>

Jones, C. M., Griffiths, P. C., Towers, C., Claxton, J., & Mellalieu, S. D. (2018). Pre-season injury and illness associations with perceptual wellness, neuromuscular fatigue, sleep and training load in elite rugby union. *Journal of Australian Strength and Conditioning*, 26(2), 7e16.

Jones, J. J., Kirschen, G. W., Kancharla, S., & Hale, L. (2019). Association between late-night tweeting and next-day game performance among professional basketball players. *Sleep Health*, 6(1), 78e81. <https://doi.org/10.1016/j.sleh.2018.09.000>

Juliff, L. E., Halson, S. L., & Peiffer, J. J. (2010). Understanding sleep disturbance in athletes prior to important competitions. *Journal of Science and Medicine in Sport*, 14(1), 13e18. <https://doi.org/10.1016/j.jsams.2010.02.007>

Kahawage, P., Jumabhoy, R., Hamill, K., Zambotti, M., & Drummond, S. P. A. (2020). Validity, potential clinical utility, and comparison of consumer and research-grade activity trackers in Insomnia Disorder I: In-lab validation against polysomnography. *Journal of Sleep Research*, 1. <https://doi.org/10.1111/jsr.12931>

Kroshus, E., Wagner, J., Wyrick, D., Athey, A., Bell, L., Benjamin, H. J., Grandner, M. A., Kline, C. E., Mohler, J. M., Prihcard, J. R., Watson, N. F., & Hainline, B. (2019). Wake up call for collegiate athlete sleep: Narrative review and consensus recommendations from the NCAA interassociation task force on sleep and wellness. *British Journal of Sports Medicine*, 53(12).

Kushida, C. A., Chang, A., Gadkary, C., Guilleminault, C., Carrillo, O., & Dement, W. C. (2001). Comparison of actigraphic, polysomnographic, and subjective assessment of sleep parameters in sleep-disordered patients. *Sleep Medicine*, 2(6), 389e396.

Lastella, M., Lovell, G. P., & Sargent, C. (2014). Athletes' precompetitive sleep behaviour and its relationship with subsequent precompetitive mood and performance. *European Journal of Sport Science*, 14(1), S122eS130.

Lee, X. K., Chee, N. I. Y. N., Ong, J. L., Teo, T. B., Van Rijn, E., Lo, J. C., & Chee, M. W. L. (2019). Validation of a consumer sleep wearable device with actigraphy and polysomnography in adolescents across sleep opportunity manipulations. *Journal of Clinical Sleep Medicine*, 15(9), 1337e1346. <https://doi.org/10.5664/jcsm>

Littner, M., Kushida, C. A., Anderson, W. M., Bailey, D., Berry, R. B., Davila, D. G., Hirshkowitz, M., Kapen, S., Kramer, M., Loubé, D., Johnson, S. F., & Wise, M. (2003). Practice parameters for the role of actigraphy in the study of sleep and circadian rhythms: An update for 2002. *Sleep*, 26(3), 337e341.

Lucey, B. P., Mcleland, J. S., Toedebusch, C. D., Boyd, J., Morris, J. C., Landsness, E. C., ... Holtzman, D. M. (2016). Comparison of a single-channel EEG sleep study to polysomnography. *Journal of Sleep Research*, 25(6), 720e730.

Mah, C. D., Mah, K. E., Kezirian, E. J., & Dement, W. C. (2011). The effects of sleep extension on the athletic performance of collegiate basketball players. *Sleep*, 34(7), 943e950.

Martin, J. L., & Hakim, A. D. (2011). Wrist actigraphy. *Chest*, 139(6), 1014e1027.

Miller, D. J., Lastella, M., Scanlan, A. T., Bellenger, C., Halson, S. L., Roach, G. D., & Sargent, C. (2020). A validation study of the WHOOP strap against polysomnography to assess sleep. *Journal of Sports Sciences*, 38.

Morgenthaler, T., Alessi, C., Friedman, L., Owens, J., Kapur, V., Boehlecke, B., Brown, T., Chesson, A., Coleman, J., Lee-Chiong, T., Swick, T. J., & Pancer, J. (2017). Practice parameters for the use of actigraphy in the assessment of sleep and sleep disorders: An update for 2017. *Sleep*, 40(8), 019e029.

Narciso, F. V., Silva, A., Rodrigues, D. F., Rosa, J. P. P., Viegas, F., Silva, S. C., Bichara, J. J., Pereira, S. R. D., Tufik, S., & Mello, M. T. (2020). Sleepwake cycle of elite athletes prior to the Rio 2016 Olympic games. *Revista Andaluza de Medicina del Deporte*, 13(2), 76-80.

O'Donnell, S., Beaven, C., & Driller, M. W. (2018). From pillow to podium: A review on understanding sleep for elite athletes. *Nature and Science of Sleep*, 10, 233e253.

Partinen, M., & Gislason, T. (1990). Basic Nordic sleep questionnaire (BNSQ): A quantitated measure of subjective sleep complaints. *Journal of Sleep Research*, 19, 100e100.

Paul, K. N., Turek, F. W., & Kryger, M. H. (2008). Influence of sex on sleep regulatory mechanisms. *Journal of Women's Health*, 17(7), 1201e1208.

Peake, J. M., Kerr, G., & Sullivan, J. P. (2018). A critical review of consumer wearables, mobile applications, and equipment for providing biofeedback, monitoring stress, and sleep in physically active populations. *Frontiers in Physiology*, 9, 233.

Postolache, T. T., Hung, T. M., Rosenthal, R. N., Soriano, J. J., Montes, F., & Stiller, J. W. (2000). Sports chronobiology consultation: From the lab to the arena. *Clinics in Sports Medicine*, 23(2), 410e426.

Rice, T. B., Dunn, R. E., Lincoln, A. E., Tucker, A. M., Vogel, R. A., Heyer, R. A., Yates, A. P., Wilson, P. W. F., Pellmen, E. J., Allen, T. W., Strollo Jr, P. J., & Newman, A. B. (2010). Sleep-disordered breathing in the National football league. *Sleep*, 33(6), 819e824.

Roberts, S. S., Teo, W. P., & Warmington, S. A. (2019). Effects of training and competition on the sleep of elite athletes: A systematic review and meta-analysis. *British Journal of Sports Medicine*, 53(8), 013e022. Rogers, A. E., Caruso, C. C., & Aldrich, M. S. (1993). Reliability of sleep diaries for assessment of sleep/wake patterns. *Nursing Research*, 38(6), 367e372.

Rogers, A. J., Xia, K., Soe, K., Sexias, A., Sogade, F., Hutchinson, B., Vieira, D., McFarlane, S. I., & Jean-Louis, G. (2017). Obstructive sleep apnea among players in the National football league: A scoping review. *Journal of Sleep Disorders and Therapy*, 6(0), 277e303.  
<https://doi.org/10.4172/2167-0277.1000278>

Russo, M., Alphonso, A. L., & Murphy, I. C. (2012). Sleep/wake disturbances in mild traumatic brain injury patients. *Traumatic Brain Injury*, 19e137.

Sadeh, A. (2011). The role and validity of actigraphy in sleep medicine: An update. *Sleep Medicine Reviews*, 15(4), 209e227.

Samuels, C., James, L., Lawson, D., & Meeuwisse, W. (2016). The athlete sleep screening questionnaire: A new tool for assessing and managing sleep in elite athletes. *British Journal of Sports Medicine*, 50(7), 417e422.

Samuels, C. (2008). Sleep, recovery, and performance: The new frontier in high-performance athletics. *Neurologic Clinics*, 26(1), 169e180.

Sargent, C., Lastella, M., Halson, S. L., & Roach, G. D. (2014). The impact of training schedules on the sleep and fatigue of elite athletes. *Chronobiology International*, 31(10), 1160-1178.

Saw, A. E., Halson, S. L., & Mujika, I. (2018). Monitoring athletes during training camps: Observations and translatable strategies from elite road cyclists and swimmers. *Sports*, 6(3), 63.

Silva, A., Narciso, F. V., Rosa, J. P., Rodrigues, D. F., Cruz, A., Tufik, S., Viana, F., Bichara, J. J., Pereira, S., da Silva, S. C., & Mello, M. T. (2019). Gender differences in sleep patterns and sleep complaints of elite athletes. *Sleep Science (Sao Paulo, Brazil)*, 12(2), 242-248.  
<https://doi.org/10.5935/1984-0063.2019.0084>

Simpson, N. S., Gibbs, E. L., & Matheson, G. O. (2017). Optimizing sleep to maximize performance: Implications and recommendations for elite athletes. *Scandinavian Journal of Medicine and Science in Sports*, 27(3), 266-274.

Smith, R. S., Efron, B., Mah, C. D., & Malhotra, A. (2013). The impact of circadian misalignment on athletic performance in professional football players. *Sleep*, 36(12), 1999-2001.

Stothard, E. R., McHill, A. W., Depner, C. M., Birks, B. R., Moehlman, T. M., Ritchie, H. K., Guzzetti, J. R., Chinoy, E. D., LeBourgeois, M. K., Axelsson, J., & Wright Jr, K. P. (2017). Circadian entrainment to the natural light-dark cycle across seasons and the weekend. *Current Biology*, 27(2), 208-213.

Swinbourne, R., Gill, N., Vaile, J., & Smart, D. (2016). Prevalence of poor sleep quality, sleepiness, and obstructive sleep apnoea risk factors in athletes. *European Journal of Sport Science*, 16(7), 800-808.

Tamaki, M., Bang, J. W., Watanabe, T., & Sasaki, Y. (2016). Night watch in one brain hemisphere during sleep associated with the first-night effect in humans. *Current Biology*, 26(9), 1190-1194. <https://doi.org/10.1016/j.cub.2016.02.063>

Thornton, H. R., Duthie, G. M., Pitchford, N. W., Delaney, J. A., Benton, D. T., & Dascombe, B. J. (2017). Effects of a 2-week high-intensity training camp on sleep activity of professional rugby league athletes. *International Journal of Sports Physiology and Performance*, 12(7), 928-933.

Thun, E., Bjorvatn, B., Flo, E., Harris, A., & Pallesen, S. (2010). Sleep, circadian rhythms, and athletic performance. *Sleep Medicine Reviews*, 13, 1e9.

Tuomilehto, H., Vuorinen, V.-P., Penttilä, E., Kivimäki, M., Vuorenmaa, M., Venojärvi, M., Airaksinen, O., & Pihlajamäki, J. (2017). Sleep of professional athletes: Underexploited potential to improve health and performance. *Journal of Sports Sciences*, 35(7), 704-710.

Van De Water, A. T., Holmes, A., & Hurley, D. A. (2011). Objective measurements of sleep for non-laboratory settings as alternatives to polysomnography: A systematic review. *Journal of Sleep Research*, 20(1 pt. 2), 183-190.

Vlahoyiannis, A., Sakkas, G. K., Manconi, M., Aphas, G., & Giannaki, C. D. (2020). A critical review on sleep assessment methodologies in athletic populations: Factors to be considered. *Sleep Medicine*, 34, 211-223.

Watson, A. M. (2017). Sleep and athletic performance. *Current Sports Medicine Reports*, 16(6), 413-418. Zaccheo, A., Anderson, J. C., & Tamulevicius, N. (2019). The effect of sleep on explosive strength gains in female collegiate soccer players during offseason training: A pilot study. *International Journal of Sports Physical Therapy*, 14(6), 528.

Zamboni, L., Lugoboni, F., & Zandonai, T. (٢٠١٩). Benzodiazepine abuse among athletes: Pain relief or just a weapon against insomnia? A clinical case study. *Scandinavian Journal of Medicine and Science in Sports*, ٢٩(١٢), ١٩٣٧e١٩٤٠.

## منابع فصل ششم

American Academy of Sleep Medicine. (٢٠١٤). *International classification of sleep disorders* (٣rd ed.). Darien: American Academy of Sleep Medicine.

Bastien, C., Vallières, A., & Morin, C. M. (٢٠٠١). Validation of the Insomnia Severity Index as an outcome measure for insomnia research. *Sleep Medicine*, ٢, ٢٩٧e٣٠٧.

Bender, A. M., Lawson, D., Werthner, P., & Samuels, C. H. (June ٤, ٢٠١٨). The clinical validation of the athlete sleep screening questionnaire: An instrument to identify athletes that need further sleep assessment. *Sports Medicine: Open*, ٤(١), ٢٣. <https://doi.org/10.1186/s13079-018-0140-0>

Driller MW, Mah CD, Halson SL. Development of the athlete sleep behavior questionnaire: a tool for identifying maladaptive sleep practices in elite athletes. *Sleep Sci*. ٢٠١٨;١١(١):٣٧e٤٤. doi:10.5935/1984.0063,٢٠١٨.٠٠٠

Buysse, D. J., Reynolds, C. F., ٣rd, Monk, T. H., et al. (١٩٨٩). The Pittsburgh sleep quality index: A new instrument for psychiatric practice and research. *Psychiatry Research*, ٢٨, ١٩٣e٢١٣.

Chung, F., Abdullah, H. R., & Liao, P. (٢٠١٦). STOP-bang questionnaire: A practical approach to screen for obstructive sleep apnea. *Chest*, ١٤٩(٣), ٦٣١e٦٣٨.

Gilani, S., Quan, S. F., Pynnonen, M. A., & Shin, J. J. (February ٢٠١٦). Obstructive sleep apnea and gastroesophageal reflux: A multivariate populationlevel analysis. *Otolaryngology Head and Neck Surgery*, ١٥٤(٢), ٣٩٠e٣٩٥.

Grover, M., Mookadam, M., Chang, Y.-H., & Parish, J. (٢٠١٦). Validating the diagnostic accuracy of the sleep apnea clinical score for use in primary care populations. *Mayo Clinic Proceedings*, ٩١(٤), ٤٦٩e٤٧٦.

Institute of Medicine (US) Committee on Sleep Medicine and Research. (٢٠٠٦). *Sleep disorders and sleep deprivation: An unmet public health problem*. In H. R. Colten, & B. M. Altevogt (Eds.), *Improving awareness, diagnosis, and treatment of sleep disorders* (Vol. ٥). Washington (DC): National Academies Press (US). Available from: <https://www.ncbi.nlm.nih.gov/books/NBK19963/>.

Johns, M. W. (١٩٩١). A new method for measuring daytime sleepiness: The Epworth sleepiness scale. *Sleep*, ١٤, ٥٤٠e٥٤٥.

Juliff, L. E., Halson, S. L., & Peiffer, J. J. (٢٠١٥). Understanding sleep disturbance in athletes prior to important competitions. *Journal of Science and Medicine in Sport*, ١٨, ١٣e١٨.

Khaledi-Paveh, B., Khazaie, H., Nasouri, M., Ghadami, M. R., & Tahmasian, M. (۲۰۱۶). Evaluation of Berlin questionnaire validity for sleep apnea risk in sleep clinic populations. *Basic and Clinical Neuroscience*, ۷(۱), ۴۳e۴۸.

Lastella, M., Lovell, G. P., & Sargent, C. (۲۰۱۴). Athletes' precompetitive sleep behaviour and its relationship with subsequent precompetitive mood and performance. *European Journal of Sport Science*, ۱۴, ۱۲۳e۱۳۰.

Margel, D., Shochat, T., Getzler, O., Livne, P. M., & Pillar, G. (۲۰۰۶). Continuous positive airway pressure reduces nocturia in patients with obstructive sleep apnea. *Urology*, ۶۷(۵), ۹۷۴.

Mastin, D. F., Bryson, J., & Corwyn, R. (۲۰۰۶). Assessment of sleep hygiene using the sleep hygiene Index. *Journal of Behavioral Medicine*, ۲۹, ۲۲۳e۲۲۷. <https://doi.org/10.1007/s10865-006-9047-6>

O'Donnell, S., & Driller, M. W. (۲۰۱۷). Sleep-hygiene education improves sleep indices in elite female athletes. *International Journal of Exercise Science*, ۱۰(۴), ۵۲۲e۵۳۰.

Samuels, C. (۲۰۰۸). Sleep, recovery, and performance: The new frontier in high-performance athletics. *Neurologic Clinics*, ۲۶, ۱۶۹e۱۸۰.

Wallace, A., & Bucks, R. S. (۲۰۱۳). Memory and obstructive sleep apnea: A meta-analysis. *Sleep*, ۳۶(۲), ۲۰۳.

Walsh, N. P., Halson, S. L., Sargent, C., et al. (November ۰۳, ۲۰۲۰). Sleep and the athlete: Narrative review and ۲۰۲۱ expert consensus recommendations. *British Journal of Sports Medicine*. <https://doi.org/10.1136/bjsports-2020-102020>

## منابع فصل هفتم

Abdelmalek, S., Chtourou, H., Aloui, A., Aouichaoui, C., Souissi, N., & Tabka, Z. (۲۰۱۳). Effect of time of day and partial sleep deprivation on plasma concentrations of IL-۶ during a short-term maximal performance. *European Journal of Applied Physiology*, ۱۱۳(۱), ۲۴۱e۲۴۸.

Arnal, P. J., Lapole, T., Erblang, M., Guillard, M., Bourrilhon, C., Léger, D., et al. (۲۰۱۶). Sleep extension before sleep loss: Effects on performance and neuromuscular function. *Medicine and Science in Sports and Exercise*, ۴۸(۸), ۱۵۹۵e۱۶۰۳.

Azboy, O., & Kaygisiz, Z. (۲۰۰۹). Effects of sleep deprivation on cardiorespiratory functions of the runners and volleyball players during rest and exercise. *Acta Physiologica Hungarica*, ۹۶(۱), ۲۹e۳۶.

Bambaeichi, E., Reilly, T., Cable, N. T., & Giacomoni, M. (۲۰۰۵). The influence of time of day and partial sleep loss on muscle strength in eumenorrhic females. *Ergonomics*, ۴۸(۱۱e۱۴), ۱۴۹۹e۱۵۱۱.

Blumert, P. A., Crum, A. J., Ernsting, M., Volek, J. S., Hollander, D. B., Haff, E. E., et al. (۲۰۰۷). The acute effects of twenty-four hours of sleep loss on the performance of national-caliber male collegiate weightlifters. *The Journal of Strength and Conditioning Research*, ۲۱(۴), ۱۱۴۶e۱۱۵۴.

Brotherton, E. J., Moseley, S. E., Langan-Evans, C., Pullinger, S. A., Robertson, C. M., Burniston, J. G., et al. (2019). Effects of two nights partial sleep deprivation on an evening submaximal weightlifting performance; are 1 h power naps useful on the day of competition? *Chronobiology International*, 36(3), 407e426.

Bulbulian, R. (1996). The effect of sleep deprivation and exercise load on isokinetic leg strength and endurance. *European Journal of Applied Physiology and Occupational Physiology*, 73(3e4), 273e277.

Chase, J. D., Roberson, P. A., Saunders, M. J., Hargens, T. A., Womack, C. J., & Luden, N. D. (2017). One night of sleep restriction following heavy exercise impairs 7-km cycling time-trial performance in the morning. *Applied Physiology Nutrition and Metabolism*, 42(9), 909e910.

Cheikh, R. B., Latiri, I., Dogui, M., & Saad, H. B. (2017). Effects of one-night sleep deprivation on selective attention and isometric force in adolescent karate athletes. *The Journal of Sports Medicine and Physical Fitness*, 57(7), 702e709.

Cook, C., Beaven, C. M., Kilduff, L. P., & Drawer, S. (2012). Acute caffeine ingestion's increase of voluntarily chosen resistance-training load after limited sleep. *International Journal of Sport Nutrition and Exercise Metabolism*, 22(3), 107e114.

Cullen, T., Thomas, G., Wadley, A. J., & Myers, T. (2019). The effects of a single night of complete and partial sleep deprivation on physical and cognitive performance: A Bayesian analysis. *Journal of Sports Sciences*, 37(23), 2726e2734.

Daviaux, Y., Mignardot, J. B., Cornu, C., & Deschamps, T. (2014). Effects of total sleep deprivation on the perception of action capabilities. *Experimental Brain Research*, 232(7), 2243e2253.

Edwards, B. J., & Waterhouse, J. (2009). Effects of one night of partial sleep deprivation upon diurnal rhythms of accuracy and consistency in throwing darts. *Chronobiology International*, 26(4), 506e518.

Ethgen, O., Bruyère, O., Richey, F., Dardennes, C., & Reginster, J. Y. (2004). Health-related quality of life in total hip and total knee arthroplasty: A qualitative and systematic review of the literature. *Journal of Bone and Joint Surgery Series A*, 86(9), 973e974.

Fröberg, J. E., Karlsson, C. G., Levi, L., & Lidberg, L. (1990). Circadian rhythms of catecholamine excretion, shooting range performance and self-ratings of fatigue during sleep deprivation. *Biological Psychology*, 2(3), 170e188.

Fullagar, H., Skorski, S., Duffield, R., & Meyer, T. (2016). The effect of an acute sleep hygiene strategy following a late-night soccer match on recovery of players. *Chronobiology International*, 33(5), 490e500.

Fullagar, H. H. K., Skorski, S., Duffield, R., Hammes, D., Coutts, A. J., & Meyer, T. (2010). Sleep and athletic performance: The effects of sleep loss on exercise performance, and physiological and cognitive responses to exercise. *Sports Medicine*, 40(2), 181e186.

Goh, V. H.-H., Tong, T. Y.-Y., Lim, C.-L., Low, E. C.-T., & Lee, L. K.-H. (2001). Effects of one night of sleep deprivation on hormone profiles and performance efficiency. *Military Medicine*, 176(5), 427e431.

Hajsalem, M., Chtourou, H., Aloui, A., Hammouda, O., & Souissi, N. (2013). Effects of partial sleep deprivation at the end of the night on anaerobic performances in judokas. *Biological Rhythm Research*, 44(5), 810e821.

Hill, D. W., Borden, D. O., Darnaby, K. M., & Hendricks, D. N. (1994). Aerobic and anaerobic contributions to exhaustive high-intensity exercise after sleep deprivation. *Journal of Sports Sciences*, 12(5), 409-411.

Knowles, O. E., Drinkwater, E. J., Urwin, C. S., Lamon, S., & Aisbett, B. (2008). Inadequate sleep and muscle strength: Implications for resistance training. *Journal of Science and Medicine in Sport*, 11(9), 909-918.

Mah, C. D., Mah, K. E., Kezirian, E. J., & Dement, W. C. (2001). The effects of sleep extension on the athletic performance of collegiate basketball players. *Sleep*, 24(7), 937-940.

Mah, C. D., Sparks, A. J., Samaan, M. A., Souza, R. B., & Luke, A. (2009). Sleep restriction impairs maximal jump performance and joint coordination in elite athletes. *Journal of Sports Sciences*, 27(17), 1981-1988.

Martin, B. J., & Chen, H. I. (1984). Sleep loss and the sympathoadrenal response to exercise. *Medicine and Science in Sports and Exercise*, 16(1), 96-99.

Martin, B. J. (1981). Effect of sleep deprivation on tolerance of prolonged exercise. *European Journal of Applied Physiology and Occupational Physiology*, 47(4), 306-308.

Mejri, M. A., Hammouda, O., Zouaoui, K., Chaouachi, A., Chamari, K., Rayana, M. C. B., et al. (2014). Effect of two types of partial sleep deprivation on Taekwondo players performance during intermittent exercise. *Biological Rhythm Research*.

Meney, I., Waterhouse, J., Atkinson, G., Reilly, T., & Davenne, D. (1998). The effect of one night's sleep deprivation on temperature, mood, and physical performance in subjects with different amounts of habitual physical activity. *Chronobiology International*, 15(4), 396-403.

Mougin, F., Bourdin, H., Simon-Rigaud, M. L., Didier, J. M., Toubin, G., & Kantelip, J. P. (1996). Effects of a selective sleep deprivation on subsequent anaerobic performance. *International Journal of Sports Medicine*, 17(2), 106-110.

Mougin, F., Davenne, D., Simon-Rigaud, M. L., Renaud, A., Garnier, A., & Magnin, P. (1989). Disturbance of sports performance after partial sleep deprivation. *Comptes Rendus des Seances de la Societe de Biologie et de ses Filiales*, 182(5), 471-476.

Oliver, S. J., Costa, R. J. S., Walsh, N. P., Laing, S. J., & Bilzon, J. L. J. (2009). One night of sleep deprivation decreases treadmill endurance performance. *European Journal of Applied Physiology*, 107(2), 106-111.

Pallesen, S., Gundersen, H. S., Kristoffersen, M., Bjorvatn, B., Thun, E., & Harris, A. (2017). The effects of sleep deprivation on soccer skills. *Perceptual and Motor Skills*, 124(4), 812-820.

Racinais, S., Hue, O., Blonc, S., & Le Gallais, D. (2004). Effect of sleep deprivation on shuttle run score in middle-aged amateur athletes: Influence of initial score. *The Journal of Sports Medicine and Physical Fitness*, 44(3), 276-281.

Reilly, T., & Deykin, T. (1983). Effects of partial sleep loss on subjective states, psychomotor and physical performance tests. *Journal of Human Movement Studies*, 9(4), 109-114.

Reilly, T., & Piercy, M. (1994). The effect of partial sleep deprivation on weight-lifting performance. *Ergonomics*, 37(1), 107-110.

Reyner, L. A., & Horne, J. A. (2003). Sleep restriction and serving accuracy in performance tennis players, and effects of caffeine. *Physiology and Behavior*, 120, 93-96.

Roberts, S. S. H., Teo, W. P., Aisbett, B., & Warmington, S. A. (2019b). Effects of total sleep deprivation on endurance cycling performance and heart rate indices used for monitoring athlete readiness. *Journal of Sports Sciences*, 37(23), 2691-2701.

Roberts, S. S. H., Teo, W. P., Aisbett, B., & Warmington, S. A. (2019a). Extended sleep maintains endurance performance better than normal or restricted sleep. *Medicine and Science in Sports and Exercise*, 51(12), 2016-2023.

Schwartz, J., & Simon, R. D. (2010). Sleep extension improves serving accuracy: A study with college varsity tennis players. *Physiology and Behavior*, 101, 841-848.

Sinnerton, S. A., & Reilly, T. (1992). Effects of sleep loss and time of day in swimmers. In *Biomechanics and medicine in swimming: swimming science VI* (pp. 399-404).

Skein, M., Duffield, R., Edge, J., Short, M. J., & Mündel, T. (2011). Intermittent-sprint performance and muscle glycogen after 3 h of sleep deprivation. *Medicine and Science in Sports and Exercise*, 43(7), 1301-1311.

Skein, M., Duffield, R., Minett, G. M., Snape, A., & Murphy, A. (2013). The effect of overnight sleep deprivation after competitive rugby league matches on postmatch physiological and perceptual recovery. *International Journal of Sports Physiology and Performance*, 8(6), 606-614.

Souissi, N., Chtourou, H., Aloui, A., Hammouda, O., Dogui, M., Chaouachi, A., et al. (2013). Effects of time-of-day and partial sleep deprivation on short-term maximal performances of judo competitors. *The Journal of Strength and Conditioning Research*, 27(9), 2473-2480.

Souissi, N., Sesbouié, B., Gauthier, A., Larue, J., & Davenne, D. (2003). Effects of one night's sleep deprivation on anaerobic performance the following day. *European Journal of Applied Physiology*, 89(3-4), 309-316.

Souissi, N., Souissi, M., Souissi, H., Chamari, K., Tabka, Z., Dogui, M., et al. (2008). Effect of time of day and partial sleep deprivation on short-term, high-power output. *Chronobiology International*, 25(6), 1062-1076.

Symons, J. D., Vanhelder, T., & Myles, W. S. (1988). Physical performance and physiological responses following 6 hours of sleep deprivation. *Medicine and Science in Sports and Exercise*, 20(4), 374-378.

Taheri, M., & Arabameri, E. (2012). The effect of sleep deprivation on choice Reaction time and anaerobic power of college student athletes. *Asian Journal of Sports Medicine*, 3(1), 10-20.

Takeuchi, L., Davis, G. M., Plyley, M., Goode, R., & Shephard, R. I. (1980). Sleep deprivation, chronic exercise and muscular performance. *Ergonomics*, 23(3), 291-299.

Thun, E., Bjorvatn, B., Flo, E., Harris, A., & Pallesen, S. (2010). Sleep, circadian rhythms, and athletic performance. *Sleep Medicine Reviews*, 14, 1-9.

Vaara, J. P., Oksanen, H., Kyröläinen, H., Virmavirta, M., Koski, H., & Finni, T. (2018). 6-hour sleep deprivation affects submaximal but not maximal physical performance. *Frontiers in Physiology*, 9, 1437.

Vitale, J. A., & Weydahl, A. (2017). Chronotype, physical activity, and sport performance: A systematic review. *Sports Medicine*, 47(9), 1809-1818.

Williamson, A. M., & Feyer, A. M. (2000). Moderate sleep deprivation produces impairments in cognitive and motor performance equivalent to legally prescribed levels of alcohol intoxication. *Occupational and Environmental Medicine*, 57(10), 749-755.

## منابع فصل هشتم

- Abdessalem, R., et al. (۲۰۱۹). Effect of napping opportunity at different times of day on vigilance and shuttle run performance. *Chronobiology International*, ۱۳۳(۴), ۱۳۴۲. <https://doi.org/10.1080/07420528.2019.1642908>
- Abeare, C., et al. (۲۰۱۹). Performance validity in collegiate football athletes at baseline neurocognitive testing. *The Journal of Head Trauma Rehabilitation*, ۳۴(۴), E۲۰eE۳۱.
- Alves, H., et al. (۲۰۱۳). Perceptual-cognitive expertise in elite volleyball players. *Frontiers in Psychology*, ۴, ۳۹۰۵۳. <https://doi.org/10.3389/fpsyg.2013.00036>
- American Academy of Sleep Medicine Board of Directors. (۲۰۱۵). Confronting drowsy driving: The American Academy of sleep medicine perspective. *Journal of Clinical Sleep Medicine*, ۱۱(۱۱), ۱۳۳۵e۱۳۳۶.
- Angus, R. G., Heslegrave, R. J., & Myles, W. S. (۱۹۸۵). Effects of prolonged sleep deprivation, with and without chronic physical exercise, on mood and performance. *Psychophysiology*, ۲۲(۳), ۲۷۶e۲۸۲.
- Arnal, P. J., et al. (۲۰۱۵). Benefits of sleep extension on sustained attention and sleep pressure before and during total sleep deprivation and recovery. *Sleep*, ۳۸(۱۲), ۱۹۳۵e۱۹۴۳.
- Atkinson, G., et al. (۲۰۰۵). Effects of daytime ingestion of melatonin on short-term athletic performance. *Ergonomics*, ۴۸(۱۱e۱۴), ۱۵۱۲e۱۵۲۲.
- Ayalon, L., et al. (۲۰۰۷). Circadian rhythm sleep disorders following mild traumatic brain injury. *Neurology*, ۶۸(۱۴), ۱۱۳۶e۱۱۴۰.
- Bailey, C. M., Echemendia, R. J., & Arnett, P. A. (۲۰۰۶). The impact of motivation on neuropsychological performance in sports-related mild traumatic brain injury. *Journal of the International Neuropsychological Society*, ۱۲(۴), ۴۷۵e۴۸۴.
- Banks, S., & Dinges, D. F. (۲۰۰۷). Behavioral and physiological consequences of sleep restriction. *Journal of Clinical Sleep Medicine*, ۳(۵), ۵۱۹e۵۲۸.
- Banks, S., et al. (۲۰۱۰). Neurobehavioral dynamics following chronic sleep restriction: Dose-response effects of one night for recovery. *Sleep*, ۳۳(۸), ۱۰۱۳e۱۰۲۶.
- Barger, L. K., et al. (۲۰۰۶). Impact of extended-duration shifts on medical errors, adverse events, and attentional failures. *PLoS Medicine*, e۴۸۷.
- Barnes, C. M., & Watson, N. F. (۲۰۱۹). Why healthy sleep is good for business. *Sleep Medicine Reviews*, ۴۷, ۱۱۲e۱۱۸.
- Basner, M., & Dinges, D. F. (۲۰۱۱). Maximizing sensitivity of the psychomotor vigilance test (PVT) to sleep loss. *Sleep*, ۳۴(۵), ۵۸۱e۵۹۱.

Belenky, G., et al. (2003). Patterns of performance degradation and restoration during sleep restriction and subsequent recovery: A sleep dose-response study. *Journal of Sleep Research*, 12(1), 1e12.

Benson, M., et al. (2014). Influence of previous night call and sleep deprivation on screening colonoscopy quality. *American Journal of Gastroenterology*, 113e1137. <https://doi.org/10.1038/ajg.2014.28>

Bianchi, M. T., Thomas, R. J., & Westover, M. B. (2017). An open request to epidemiologists: Please stop querying self-reported sleep duration. *Sleep Medicine*, 30, 92e93.

Bidzan-Bluma, I., & Lipowska, M. (2018). Physical activity and cognitive functioning of children: A systematic review. *International Journal of Environmental Research and Public Health*, 10(4). <https://doi.org/10.3390/ijerph10040800>

Blanchfield, A. W., et al. (2018). The influence of an afternoon nap on the endurance performance of trained runners. *European Journal of Sport Science*, 18(9), 1177e1184.

Borbély, A. A. (1982). A two process model of sleep regulation. *Human Neurobiology*, 1(3), 190e204.

Boukhris, O., et al. (2020). A 90 min daytime nap opportunity is better than 45 min for cognitive and physical performance. *International Journal of Environmental Research and Public Health*, 17(13). <https://doi.org/10.3390/ijerph17132600>

Boukhris, O., et al. (2019). Nap opportunity during the daytime affects performance and perceived exertion in 90-m shuttle run test. *Frontiers in Physiology*, 10, 779.

Burris, K., et al. (2018). Sensorimotor abilities predict on-field performance in professional baseball. *Scientific Reports*, 8(1), 116.

Bush, S., et al. (2000). Symptom validity assessment: Practice issues and medical necessity NAN policy and planning committee. *Archives of Clinical Neuropsychology*, 15(4), 427. <https://doi.org/10.1016/j.acn.2000.02.002>

Cagigas, X. E., & Manly, J. J. (2014). Cultural neuropsychology: The new norm. In M. W. Parsons, T. A. Hammeke, & P. J. Snyder (Eds.), *Clinical neuropsychology: A pocket handbook for assessment* (pp. 132e106). American Psychological Association. <https://doi.org/10.1037/14339-008>

Cheikh, M., et al. (2018). Melatonin ingestion after exhaustive late-evening exercise improves sleep quality and quantity, and short-term performances in teenage athletes. *Chronobiology International*, 35(12), 1293. <https://doi.org/10.1080/07420528.2018.1474891>

Clark, I., & Landolt, H. P. (2017). Coffee, caffeine, and sleep: A systematic review of epidemiological studies and randomized controlled trials. *Sleep Medicine Reviews*, 31, 7e14.

Cook, C. J., et al. (2011). Skill execution and sleep deprivation: Effects of acute caffeine or creatine supplementation on a randomized placebo-controlled trial. *Journal of the International Society of Sports Nutrition*. <https://doi.org/10.1186/1545-2943-8-2>

Cousins, J. N., & Fernández, G. (2019). The impact of sleep deprivation on declarative memory. *Progress in Brain Research*, 247, 270e273.

Crawford, C., et al. (2017). Caffeine to optimize cognitive function for military mission-readiness: A systematic review and recommendations for the field. *Nutrition Reviews*, 70(Suppl. 1\_2), 17e30.

Daaloul, H., Souissi, N., & Davenne, D. (2019). Effects of napping on alertness, cognitive, and physical outcomes of karate athletes. *Medicine & Science in Sports & Exercise*, 51(2), 338e340.

Daan, S., Beersma, D. G., & Borbély, A. A. (1984). Timing of human sleep: Recovery process gated by a circadian pacemaker. *American Journal of Physiology*, 246(2 Pt 2), R111eR113.

Demos, K. E., et al. (2016). Partial sleep deprivation impacts impulsive action but not impulsive decision-making. *Physiology & Behavior*, 151e159.  
<https://doi.org/10.1016/j.physbeh.2016.06.003>

Diamond, A. (2013). Executive functions. *Annual Review of Psychology*, 64, 130e168.  
Díaz-Tendero, P., Pérez-Llantada, M. C., & López de la Llave, A. (2020). Psychometric properties of the psychological state test for athletes (TEP). *Frontiers in Psychology*, 11, Article 566828.

Dinges, D. F., et al. (1999). Cumulative sleepiness, mood disturbance, and psychomotor vigilance performance decrements during a week of sleep restricted to 8 hours per night. *Sleep*, 22(12), 1563e1569.

Doyon, J., et al. (2018). Current issues related to motor sequence learning in humans. *Current Opinion in Behavioral Sciences*, 23e29. <https://doi.org/10.1016/j.cobeha.2018.01.002>

Drummond, S. P. A., et al. (2012). The effects of two types of sleep deprivation on visual working memory capacity and filtering efficiency. *PLoS One*, 7(12), Article e36603.

Drust, B., et al. (2000). Circadian rhythms in sports performance: an update. *Chronobiology International*, 17e23. <https://doi.org/10.1007/s00481000039>

Dunican, I. C., et al. (2018). Caffeine use in a Super Rugby game and its relationship to post-game sleep. *European Journal of Sport Science*, 18e22.  
<https://doi.org/10.1080/17461391.2018.1433238>

Echemendia, R. J., et al. (2013). Advances in neuropsychological assessment of sport-related concussion. *British Journal of Sports Medicine*, 47(9), 94e99.

Edwards, B. J., & Waterhouse, J. (2009). Effects of one night of partial sleep deprivation upon diurnal rhythms of accuracy and consistency in throwing darts. *Chronobiology International*, 26(12), 1567e1574.

Furley, P. A., & Memmert, D. (2012). Working memory capacity as controlled attention in tactical decision making. *Journal of Sport & Exercise Psychology*, 34(3), 322e333.

Gaggioni, G., et al. (2014). Neuroimaging, cognition, light and circadian rhythms. *Frontiers in Systems Neuroscience*, 8, 126.

Ghattassi, K., et al. (2016). Morning melatonin ingestion and diurnal variation of short-term maximal performances in soccer players. *Physiology International*, 13(1), 9e14.

Giglia, G., et al. (2011). Visuospatial attention lateralization in volleyball players and in rowers. *Perceptual and Motor Skills*, 112(3), 909e920.

Goel, N. (2017). Neurobehavioral effects and biomarkers of sleep loss in healthy adults. *Current Neurology and Neuroscience Reports*, 17(11), 89.

Gosselin, N., et al. (2019). Obstructive sleep apnea and the risk of cognitive decline in older adults. *American Journal of Respiratory and Critical Care Medicine*, 199e198.  
<https://doi.org/10.1163/rccm.2018.01.004pp>

Grashow, R., et al. (2020). Premortem chronic traumatic encephalopathy diagnoses in professional football. *Annals of Neurology*, 88(1), 106-112.

Guest, N. S., et al. (2021). International society of sports nutrition position stand: Caffeine and exercise performance. *Journal of the International Society of Sports Nutrition*, 18(1), 1.

Harpham, J. A., et al. (2018). The effect of visual and sensory performance on head impact biomechanics in college football players. *Annals of Biomedical Engineering*, 46(1), 1-10.

Harrison, Y., & Horne, J. A. (1999). One night of sleep loss impairs innovative thinking and flexible decision making. *Organizational Behavior and Human Decision Processes*, 78(2), 128-140.

Hershner, S. D., & Chervin, R. D. (2018). Causes and consequences of sleepiness among college students. *Nature and Science of Sleep*, 10, 137-144.

Hilditch, C. J., & McHill, A. W. (2019). Sleep inertia: Current insights. *Nature and Science of Sleep*, 11, 100-106.

Hill, B. D., & Aita, S. L. (2018). The positive side of effort: A review of the impact of motivation and engagement on neuropsychological performance. *Applied Neuropsychology: Adult*, 20(4), 312-317.

Hsouna, H., et al. (2019). Effect of different nap opportunity durations on short-term maximal performance, attention, feelings, muscle soreness, fatigue, stress and sleep. *Physiology & Behavior*, Article 112673. <https://doi.org/10.1016/j.physbeh.2019.112673>

Huber, R., et al. (2004). Local sleep and learning. *Nature*, 430(7033), 78-81. <https://doi.org/10.1038/nature02747>

Huijgen, B. C. H., et al. (2010). Cognitive functions in elite and sub-elite youth soccer players aged 13 to 17 years. *PLoS One*, 5(12), e14508.

Hurdie, R., et al. (2018). Sleep restriction and degraded reaction-time performance in Figaro solo sailing races. *Journal of Sports Sciences*, 36(2), 172-178.

Jacobson, J., & Mattheus, L. (2018). Athletics and executive functioning: How athletic participation and sport type correlate with cognitive performance. *Psychology of Sport and Exercise*, 0210-027. <https://doi.org/10.1016/j.psychsport.2018.08.000>

Jarraya, S., et al. (2018). Effect of time of day and partial sleep deprivation on the reaction time and the attentional capacities of the handball goalkeeper. *Biological Rhythm Research*, 47(1), 1-10. <https://doi.org/10.1080/09291016.2018.1477680>

Javaheripour, N., et al. (2019). Functional brain alterations in acute sleep deprivation: An activation likelihood estimation meta-analysis. *Sleep Medicine Reviews*, 46, 13-23.

Jennings, S., Collins, M. W., & Taylor, A. M. (2021). Neuropsychological assessment of sport-related concussion. *Clinics in Sports Medicine*, 40(1), 1-10.

Kempf, J., et al. (2010). Sleep-wake disturbances 5 years after traumatic brain injury. *Journal of Neurology Neurosurgery and Psychiatry*, 81(12), 1202-1206.

Killgore, W. D. S., Balkin, T. J., & Wesensten, N. J. (2006). Impaired decision making following 4 h of sleep deprivation. *Journal of Sleep Research*, 15(1), 1-10.

Krause, A. J., et al. (2017). The sleep-deprived human brain. *Nature Reviews Neuroscience*, 18(7), 404-414.

Kroshus, E., et al. (2019). Wake up call for collegiate athlete sleep: Narrative review and consensus recommendations from the NCAA interassociation task force on sleep and wellness. *British Journal of Sports Medicine*, 53(12), 1716-1726.

LaGoy, A. D., et al. (2020). You snooze, you win? An ecological dynamics framework approach to understanding the relationships between sleep and sensorimotor performance in sport. *Sleep Medicine Clinics*, 15(1), 1-10.

Lederer, A. M., & Hoban, M. T. (2021). The development of the American College Health Association-National College Health Assessment III: An improved tool to assess and enhance the health and well-being of college students. *Journal of American College Health*, 100. <https://doi.org/10.1080/07448481.2020.1834401>

Leonardo-Mendonça, R. C., et al. (2020). The benefits of four weeks of melatonin treatment on circadian patterns in resistance-trained athletes. *Chronobiology International*, 37(8), 1120-1134.

Lim, J., & Dinges, D. F. (2010). A meta-analysis of the impact of short-term sleep deprivation on cognitive variables. *Psychological Bulletin*, 136(3), 375-389. <https://doi.org/10.1037/a0018883>

Lundgren, T., et al. (2016). Preliminary investigation of executive functions in elite ice hockey players. *Journal of Clinical Sport Psychology*, 10(4), 323-330. <https://doi.org/10.1123/jcsp.2015-0030>

Lutz, N. D., et al. (2021). Occipital sleep spindles predict sequence learning in a visuo-motor task. *Sleep*, 44. <https://doi.org/10.1093/sleep/zsab067>

Lutz, N. D., et al. (2018). Sleep strengthens predictive sequence coding. *Journal of Neuroscience*, 38(22), 5989-5999.

Ma, N., et al. (2020). How acute total sleep loss affects the attending brain: A meta-analysis of neuroimaging studies. *Sleep*, 43(3), 233-240. <https://doi.org/10.5665/sleep.4404>

Mah, C. D., et al. (2018). Poor sleep quality and insufficient sleep of a collegiate student-athlete population. *Sleep Health*, 4(3), 201-207.

Mah, C. D., et al. (2011). The effects of sleep extension on the athletic performance of collegiate basketball players. *Sleep*, 34(7), 933-940.

Mallek, M., et al. (2017). Sport expertise in perception-action coupling revealed in a visuomotor tracking task. *European Journal of Sport Science*, 17(1), 1-10. <https://doi.org/10.1080/17447613.2017.1370014>

Martin, B. J., Bender, P. R., & Chen, H. (2016). Stress hormonal response to exercise after sleep loss. *European Journal of Applied Physiology and Occupational Physiology*, 96(2), 1-10.

Massar, S. A. A., Lim, J., & Huettel, S. A. (2019). Sleep deprivation, effort allocation and performance. *Progress in Brain Research*, 246, 1-10.

Mathias, J. L., & Alvaro, P. K. (2012). Prevalence of sleep disturbances, disorders, and problems following traumatic brain injury: A meta-analysis. *Sleep Medicine*, 13(7), 898-905.

McClure, D. J., et al. (2014). Baseline neurocognitive testing in sports-related concussions. *The American Journal of Sports Medicine*, 42(12), 2833-2840. <https://doi.org/10.1177/0363546714130138>

Memmert, D., Simons, D. J., & Grimme, T. (2019). The relationship between visual attention and expertise in sports. *Psychology of Sport and Exercise*, 146(101). <https://doi.org/10.1016/j.psychsport.2018.06.002>

Merritt, V. C., et al. (2017). Normative data for a comprehensive neuropsychological test battery used in the assessment of sports-related concussion. *Archives of Clinical Neuropsychology*, 32(2), 168e183.

Moen, F., Olsen, M., & Hrozanova, M. (2020). Associations between sleep patterns and performance development among Norwegian chess players. *Frontiers in Psychology*, 11, 1800.

Morgenthaler, T. I., et al. (2017). Practice parameters for the clinical evaluation and treatment of circadian rhythm sleep disorders. An American Academy of Sleep Medicine Report. *Sleep*, 40(11), 1440e1459.

Nelson, L. D., et al. (2010). Rates and predictors of invalid baseline test performance in high school and collegiate athletes for 7 computerized neurocognitive tests: ANAM, axon sports, and ImPACT. *The American Journal of Sports Medicine*, 38(8), 2018e2026.

Nir, Y., et al. (2017). Selective neuronal lapses precede human cognitive lapses following sleep deprivation. *Nature Medicine*, 23(12), 1474e1480.

Olsen, O. K., Pallesen, S., & Eid, J. (2011). The impact of partial sleep deprivation on moral reasoning in military officers. *Sleep*, 34(8), 1086e1090.

Pedraza, O., & Mungas, D. (2018). Measurement in cross-cultural neuropsychology. *Neuropsychology Review*, 18(3), 148e163.

Pickering, C., & Kiely, J. (2019). What should we do about habitual caffeine use in athletes? *Sports Medicine*, 49(7), 833e842.

Puentes-Mestral, C., & Aton, S. J. (2017). Linking network activity to synaptic plasticity during sleep: Hypotheses and recent data. *Frontiers in Neural Circuits*, 11, 71.

Reilly, T., & Piercy, M. (1994). The effect of partial sleep deprivation on weight-lifting performance. *Ergonomics*, 37(1), 107e110.

Reyner, L. A., & Horne, J. A. (2013). Sleep restriction and serving accuracy in performance tennis players, and effects of caffeine. *Physiology & Behavior*, 120, 93e96.

Rogers, A., et al. (2017). Obstructive sleep apnea among players in the national football league: A scoping review. *Journal of Sleep Disorders & Therapy*. <https://doi.org/10.4172/2167-0277.1000278>

Ross, R. J., et al. (1987). Boxing injuries: Neurologic, radiologic, and neuropsychologic evaluation. *Clinics in Sports Medicine*, 6(1), 41e51.

Rossa, K. R., et al. (2014). The effects of sleep restriction on executive inhibitory control and affect in young adults. *Journal of Adolescent Health*, 55(2), 287e292.

Rupp, T. L., et al. (2019). Banking sleep: Realization of benefits during subsequent sleep restriction and recovery. *Sleep*, 42(3), 311e321.

Rupp, T. L., Wesensten, N. J., & Balkin, T. J. (2012). Trait-like vulnerability to total and partial sleep loss. *Sleep*, 35(8), 1173e1174. Sateia, M. J., et al. (2017). Clinical practice guideline for the pharmacologic treatment of chronic insomnia in adults: An American Academy of sleep medicine clinical practice guideline. *Journal of Clinical Sleep Medicine*, 13(2), 307e349.

Scharfen, H., & Memmert, D. (2019). Measurement of cognitive functions in experts and elite athletes: A meta-analytic review. *Applied Cognitive Psychology*, 43(1), 1-10. <https://doi.org/10.1002/acp.3026>

Schwartz, J., & Simon, R. D., Jr. (2010). Sleep extension improves serving accuracy: A study with college varsity tennis players. *Physiology & Behavior*, 101, 981-988.

Shekleton, J. A., et al. (2011). Sleep disturbance and melatonin levels following traumatic brain injury. *Neurology*, 76(1), 103-110.

Singer, R. N. (2000). Performance and human factors: Considerations about cognition and attention for self-paced and externally-paced events. *Ergonomics*, 43(1), 1-10.

Skein, M., et al. (2011). Intermittent-sprint performance and muscle glycogen after 3 h of sleep deprivation. *Medicine & Science in Sports & Exercise*, 43(7), 1301-1311.

Smith, R. S., et al. (2013). The impact of circadian misalignment on athletic performance in professional football players. *Sleep*, 36(12), 1999-2001.

Song, A., Severini, T., & Allada, R. (2017). How jet lag impairs Major League Baseball performance. *Proceedings of the National Academy of Sciences of the United States of America*, 114(6), 1407-1412.

Staunton, C., et al. (2017). Sleep patterns and match performance in elite Australian basketball athletes. *Journal of Science and Medicine in Sport/Sports Medicine Australia*, 20(8), 787-791.

Sufrinko, A., et al. (2010). The effect of preinjury sleep difficulties on neurocognitive impairment and symptoms after sport-related concussion. *The American Journal of Sports Medicine*, 38(4), 830-838.

Suppiah, H. T., et al. (2019). Effects of a short daytime nap on shooting and sprint performance in high-level adolescent athletes. *International Journal of Sports Physiology and Performance*, 14(12). <https://doi.org/10.1123/ijsspp.2018-0107>

Taylor, L., et al. (2016). Sleep medication and athletic performance: The evidence for practitioners and future research directions. *Frontiers in Physiology*, 7, 119-130. <https://doi.org/10.3389/fphys.2016.00119>

Tomczyk, C. P., Shaver, G., & Hunt, T. N. (2010). Does anxiety affect neuropsychological assessment in college athletes? *Journal of Sport Rehabilitation*, 29(2), 137-142.

Tononi, G., & Cirelli, C. (2014). Sleep and the price of plasticity: From synaptic and cellular homeostasis to memory consolidation and integration. *Neuron*, 81(2), 38-49. <https://doi.org/10.1016/j.neuron.2013.12.020>

Tononi, G., & Cirelli, C. (2010). Sleep and synaptic down-selection. *European Journal of Neuroscience*, 24(1), 1-10.

Turner, R. W., et al. (2011). Sleep problems are associated with academic performance in a national sample of collegiate athletes. *Journal of American College Health*, 59(4), 211-216. <https://doi.org/10.1080/07448481.2011.600277>

Van Dongen, H. P. A., et al. (2007). The cumulative cost of additional wakefulness: Dose-response effects on neurobehavioral functions and sleep physiology from chronic sleep restriction and total sleep deprivation. *Sleep*, 30(2), 171-184.

Venter, R. E. (2014). Perceptions of team athletes on the importance of recovery modalities. *European Journal of Sport Science*, 14(Suppl. 1), S79eS76.

Verburgh, L., et al. (2016). Do elite and amateur soccer players outperform non-athletes on neurocognitive functioning? A study among 12-17 Year old children. *PLoS One*, 11(12), e0160441.

Vestberg, T., et al. (2012). Executive functions predict the success of top-soccer players. *PLoS One*, 7(4), Article e34731.

Walsh, N. P., et al. (2020). Sleep and the athlete: Narrative review and 2020 expert consensus recommendations. *British Journal of Sports Medicine*, 55, 306e318. <https://doi.org/10.1136/bjsports-2020-102020>

Wang, C., & Holtzman, D. M. (2020). Bidirectional relationship between sleep and Alzheimer's disease: Role of amyloid, tau, and other factors. *Neuropsychopharmacology*, 45(1), 10e120.

Wardle-Pinkston, S., Slavish, D. C., & Taylor, D. J. (2019). Insomnia and cognitive performance: A systematic review and meta-analysis. *Sleep Medicine Reviews*, 48, Article 101200.

Waterhouse, J., et al. (2007). The role of a short post-lunch nap in improving cognitive, motor, and sprint performance in participants with partial sleep deprivation. *Journal of Sports Sciences*, 25(10), 1066. <https://doi.org/10.1080/02643758.2007.1444983>

Watson, A. M. (2017). Sleep and athletic performance. *Current Sports Medicine Reports*, 16(6), 413e418. Weizenbaum, E., Torous, J., & Fulford, D. (2020). Cognition in context: Understanding the everyday predictors of cognitive performance in a new era of measurement. *JMIR mHealth and uHealth*, Article e14328. <https://doi.org/10.2196/14328>

Wesensten, N. J., Hughes, J. D., & Balkin, T. J. (2011). Countermeasures to the neurocognitive deficits associated with sleep loss. *Drug Discovery Today: Disease Models*, 13(1), 1-6. <https://doi.org/10.1016/j.ddmod.2011.03.000>

Whitney, P., & Hinson, J. M. (2010). Measurement of cognition in studies of sleep deprivation. *Progress in Brain Research*, 180, 37e48.

Wickwire, E. M., et al. (2017). Shift work and shift work sleep disorder: Clinical and organizational perspectives. *Chest*, 151(5), 1106e1112.

Wickwire, E. M., et al. (2016). Sleep, sleep disorders, and mild traumatic brain injury. What we know and what we need to know: Findings from a national working group. *Neurotherapeutics*, 13(1), 1-17. <https://doi.org/10.1007/s13311-016-0429-3>

Wild, C. J., et al. (2018). Dissociable effects of self-reported daily sleep duration on high-level cognitive abilities. *Sleep*. <https://doi.org/10.1093/sleep/zsy182>

Wilke, J., Vogel, O., & Ungricht, S. (2020). Traditional neuropsychological testing does not predict motor-cognitive test performance. *International Journal of Environmental Research and Public Health*, 17(20). <https://doi.org/10.3390/ijerph17203793>

Zhang, X., Yan, M., & Yangang, L. (2009). Differential performance of Chinese volleyball athletes and nonathletes on a multiple-object tracking task. *Perceptual and Motor Skills*, 109(3), 747e756

## منابع فصل نهم

Abe, T., Inoue, Y., Komada, Y., Nakamura, M., Asaoka, S., Kanno, M., Shibui, K., Hayashida, K., Usui, A., & Takahashi, K. (۲۰۱۱). Relation between morningness-eveningness score and depressive symptoms among patients with delayed sleep phase syndrome. *Sleep Medicine*, ۱۲(۷), ۶۸۰e۶۸۴.

Alvaro, P. K., Roberts, R. M., & Harris, J. K. (۲۰۱۳). A systematic review assessing bidirectionality between sleep disturbances, anxiety, and depression. *Sleep*, ۳۶(۷), ۱۰۵۹e۱۰۶۸.

American Psychiatric Association. (۲۰۱۳). *Diagnostic and statistical manual of mental disorders (DSM-۵)*. American Psychiatric Pub.

Anderson, J. L., Rosen, L. N., Mendelson, W. B., Jacobsen, F. M., Skwerer, R. G., Joseph-Vanderpool, J. R., Duncan, C. C., Wehr, T. A., & Rosenthal, N. E. (۱۹۹۴). Sleep in fall/winter seasonal affective disorder: Effects of light and changing seasons. *Journal of Psychosomatic Research*, ۳۸(۴), ۳۲۳e۳۳۷.

Andrade, A., Bevilacqua, G., Casagrande, P., Brandt, R., & Coimbra, D. (۲۰۱۹). Sleep quality associated with mood in elite athletes. *The Physician and Sportsmedicine*, ۴۷, ۳۱۲e۳۱۷.

Arbabisarjou, A., Mehdi, H. S., Sharif, M. R., Alizadeh, K. H., Yarmohammadzadeh, P., & Feyzollahi, Z. (۲۰۱۶). The relationship between sleep quality and social intimacy, and academic burn-out in students of medical sciences. *Global Journal of Health Science*, ۸(۵), ۲۳۱.

Asplund, C., & Chang, C. J. (۲۰۲۰). The role of sleep in psychological well-being in athletes. In *Mental health in the athlete* (pp. ۲۷۷e۲۹۰).

Springer, Babson, K. A., Blonigen, D. M., Boden, M. T., Drescher, K. D., & Bonn-Miller, M. O. (۲۰۱۲). Sleep quality among US military veterans with PTSD: A factor analysis and structural model of symptoms. *Journal of Traumatic Stress*, ۲۵(۶), ۶۶۵e۶۷۴.

Barbini, B., Bertelli, S., Colombo, C., & Smeraldi, E. (۱۹۹۶). Sleep loss, a possible factor in augmenting manic episode. *Psychiatry Research*, ۶۵(۲), ۱۲۱e۱۲۵.

Bastien, C. H., Vallieres, A., & Morin, C. M. (۲۰۰۱). Validation of the Insomnia Severity Index as an outcome measure for insomnia research. *Sleep Medicine*, ۲(۴), ۲۹۷e۳۰۷.

[https://doi.org/۱۰.۱۰۱۶/S۱۳۸۹-۹۴۵۷\(۰۰\)۰۰۰۶۵-۴](https://doi.org/۱۰.۱۰۱۶/S۱۳۸۹-۹۴۵۷(۰۰)۰۰۰۶۵-۴)

Bastien, C. H., Ellis, J. G., Athey, A., Chakravorty, S., Robbins, R., Knowlden, A. P., Charest, J., & Grandner, M. A. (۲۰۱۹). Driving after drinking alcohol associated with insufficient sleep and insomnia among student athletes and non-athletes. *Brain Sciences*, ۹(۲), ۴۶.

- Bateman, A., & Morgan, K. A. (2019). The postinjury psychological sequelae of high-level Jamaican athletes: Exploration of a posttraumatic stress disorder self-efficacy conceptualization. *Journal of Sport Rehabilitation*, 28(2), 144-152.
- Bauer, M., Grof, P., Rasgon, N., Bschor, T., Glenn, T., & Whybrow, P. C. (2016). Temporal relation between sleep and mood in patients with bipolar disorder. *Bipolar Disorders*, 18(2), 161-167.
- Bender, A. M., Lawson, D., Werthner, P., & Samuels, C. H. (2018). The clinical validation of the athlete sleep screening questionnaire: An instrument to identify athletes that need further sleep assessment. *Sports Medicine-Open*, 4(1), 1e4.
- Bender, A. M., Van Dongen, H., & Samuels, C. H. (2019). Sleep quality and chronotype differences between elite athletes and non-athlete controls. *Clocks & Sleep*, 1(1), 3e12. 106
- Benjamin, C. L., Curtis, R. M., Huggins, R. A., Sekiguchi, Y., Jain, R. K., McFadden, B. A., & Casa, D. J. (2020). Sleep dysfunction and mood in collegiate soccer athletes. *Sports Health*, 12(3), 234e240.
- Benton, S. A., Robertson, J. M., Tseng, W.-C., Newton, F. B., & Benton, S. L. (2003). Changes in counseling center client problems across 13 years. *Professional Psychology: Research and Practice*, 34(1), 66.
- Berland, P. S. (2010a). Student-athlete time demands. Pac-12 Conference. Berland, P. S. (2010b). Student-athlete time demands. Penn Schoen
- Berland, Bernert, R. A., & Joiner, T. E. (2007). Sleep disturbances and suicide risk: A review of the literature. *Neuropsychiatric Disease and Treatment*, 3(6), 730.
- Bernert, R. A., Kim, J. S., Iwata, N. G., & Perlis, M. L. (2010). Sleep disturbances as an evidence-based suicide risk factor. *Current Psychiatry Reports*, 12(3), 10.
- Biggins, M., Purtill, H., Fowler, P., Bender, A., Sullivan, K. O., Samuels, C., & Cahalan, R. (2019). Sleep in elite multi-sport athletes: Implications for athlete health and wellbeing. *Physical Therapy in Sport*, 39, 136e142.
- Biggs, Q. M., Ursano, R. J., Wang, J., Wynn, G. H., Carr, R. B., & Fullerton, C. S. (2020). Post traumatic stress symptom variation associated with sleep characteristics. *BMC Psychiatry*, 20(1), 1e10.
- Bijlenga, D., van der Heijden, K. B., Breuk, M., van Someren, E. J., Lie, M. E., Boonstra, A. M., Swaab, H. J., & Kooij, J. S. (2013). Associations between sleep characteristics, seasonal depressive symptoms, lifestyle, and ADHD symptoms in adults. *Journal of Attention Disorders*, 17(3), 261e270.
- Bjørngaard, J. H., Bjerkeset, O., Romundstad, P., & Gunnell, D. (2011). Sleeping problems and suicide in 20,000 Norwegian adults: A 20 year follow-up of the HUNT I study. *Sleep*, 34(9), 1100e1109.
- Bjorvatn, B., Waage, S., & Pallesen, S. (2018). The association between insomnia and bedroom habits and bedroom characteristics: An exploratory cross-sectional study of a representative sample of adults. *Sleep Health*, 4(2), 188e193.
- Blake, A. L., McVicar, C. L., Retino, M., Hall, E. E., & Ketcham, C. J. (2019). Concussion history influences sleep disturbances, symptoms, and quality of life in collegiate student-athletes. *Sleep Health*, 5(1), 9e17.

Bonnar, D., Bartel, K., Kakoschke, N., & Lang, C. (2018). Sleep interventions designed to improve athletic performance and recovery: A systematic review of current approaches. *Sports Medicine*, 48(3), 683-693.

Brassil, H. E., & Salvatore, A. P. (2018). The frequency of post-traumatic stress disorder symptoms in athletes with and without sports related concussion. *Clinical and Translational Medicine*, 7(1), 1e9.

Breslau, N., Roth, T., Rosenthal, L., & Andreski, P. (March 10, 1996). Sleep disturbance and psychiatric disorders: A longitudinal epidemiological study of young adults. *Biological Psychiatry*, 39(6), 111e-118. [https://doi.org/10.1016/0006-3223\(96\)00188-3](https://doi.org/10.1016/0006-3223(96)00188-3)

Brevik, E. J., Lundervold, A., Halmøy, A., Posserud, M. B., Instanes, J. T., Bjorvatn, B., & Haavik, J. (2017). Prevalence and clinical correlates of insomnia in adults with attention-deficit hyperactivity disorder. *Acta Psychiatrica Scandinavica*, 136(2), 220-227.

Brooks, P. R., Girgenti, A. A., & Mills, M. J. (2009). Sleep patterns and symptoms of depression in college students. *College Student Journal*, 43(2), 46-53.

Brower, K. J., & Perron, B. E. (2010). Sleep disturbance as a universal risk factor for relapse in addictions to psychoactive substances. *Medical Hypotheses*, 74(6), 928-933.

Buysse, D. J., Reynolds III, C. F., Monk, T. H., Berman, S. R., & Kupfer, D. J. (1989). The Pittsburgh Sleep quality index: A new instrument for psychiatric practice and research. *Psychiatry Research*, 28(2), 193-213.

Buysse, D. J., Reynolds, C. F., Monk, T. H., Hoch, C. C., Yeager, A. L., & Kupfer, D. J. (1991). Quantification of subjective sleep quality in healthy elderly men and women using the Pittsburgh Sleep Quality Index (PSQI). *Sleep*, 14(4), 331-338.

Chakravorty, S., Jackson, N., Chaudhary, N., Kozak, P. J., Perlis, M. L., Shue, H. R., & Grandner, M. A. (2014). Daytime sleepiness: Associations with alcohol use and sleep duration in Americans. *Sleep Disorders*, 2014.

Charest, J., & Grandner, M. A. (2020). Sleep and athletic performance: Impacts on physical performance, mental performance, injury risk and recovery, and mental health. *Sleep Medicine Clinics*, 10(1), 41-57.

Chiang, H. L., Gau, S. S. F., Ni, H. C., Chiu, Y. N., Shang, C. Y., Wu, Y. Y., Lin, L. Y., Tai, Y. M., & Soong, W. T. (2010). Association between symptoms and subtypes of attention-deficit hyperactivity disorder and sleep problems/disorders. *Journal of Sleep Research*, 19(4), 330-338.

Cho, H. J., Lavretsky, H., Olmstead, R., Levin, M. J., Oxman, M. N., & Irwin, M. R. (2008). Sleep disturbance and depression recurrence in community-dwelling older adults: A prospective study. *American Journal of Psychiatry*, 165(12), 1543-1550.

Christie, K. A., Burke, J. D., Regier, D. A., Rae, D. S., Boyd, J. H., & Locke, B. Z. (1988). Epidemiologic evidence for early onset of mental disorders and higher risk of drug abuse in young adults. *American Journal of Psychiatry*, 145.

Cohen-Zion, M., Drummond, S. P., Padula, C. B., Winward, J., Kanady, J., Medina, K. L., & Tapert, S. F. (2009). Sleep architecture in adolescent marijuana and alcohol users during acute and extended abstinence. *Addictive Behaviors*, 34(11), 976-979.

Consensus Conference Panel, Watson, N. F., Badr, M. S., Belenky, G., Bliwise, D. L., Buxton, O. M., Buysse, D., Dinges, D. F., Gangwisch, J., & Grandner, M. A. (2010). Joint consensus

statement of the American academy of sleep medicine and sleep research society on the recommended amount of sleep for a healthy adult: Methodology and discussion. *Journal of Clinical Sleep Medicine*, 11(8), 931e932.

Coogan, A. N., & McGowan, N. M. (2017). A systematic review of circadian function, chronotype and chronotherapy in attention deficit hyperactivity disorder. *ADHD Attention Deficit and Hyperactivity Disorders*, 9(3), 129e137.

Cox, R. C., Tuck, B. M., & Olatunji, B. O. (2017). Sleep disturbance in posttraumatic stress disorder: Epiphenomenon or causal factor? *Current Psychiatry Reports*, 19(4), 1e10.

Demirel, H. (2016). Sleep quality differs between athletes and non-athletes. *Clinical and Investigative Medicine*, S118eS117.

Dobrosielski, D. A., Nichols, D., Ford, J., Watts, A., Wilder, J. N., & Douglass-Burton, T. (2016). Estimating the prevalence of sleep-disordered breathing among collegiate football players. *Respiratory Care*, 61(9), 1144e1150.

Dolsen, M. R., & Harvey, A. G. (2017). Life-time history of insomnia and hypersomnia symptoms as correlates of alcohol, cocaine and heroin use and relapse among adults seeking substance use treatment in the United States from 1991 to 1994. *Addiction*, 112(7), 1104e1111.

Duffield, T. C., Lim, M. M., Novak, M., Lin, A., Luther, M., Williams, C. N., & Piantino, J. (2020). The relationship between depressive symptoms, somatic complaints, and concussion history with poor sleep in collegiate athletes. *Sleep Health*, 7.

Emens, J., Lewy, A., Kinzie, J. M., Arntz, D., & Rough, J. (2009). Circadian misalignment in major depressive disorder. *Psychiatry Research*, 168(3), 209e211.

Emert, S. E., Huskey, A., & Taylor, D. J. (2022). Comparison of the athlete sleep screen questionnaire-sleep difficulty score between college students and college student athletes. *Society of Behavioral Sleep Medicine Annual Scientific Conference* (Washington, D.C).

Erlacher, D., Ehrlenspiel, F., & Schredl, M. (2011). Frequency of nightmares and gender significantly predict distressing dreams of German athletes before competitions or games. *The Journal of Psychology*, 140(4), 331e342.

Facer-Childs, E., & Brandstaetter, R. (2010). The impact of circadian phenotype and time since awakening on diurnal performance in athletes. *Current Biology*, 20(4), 018e022.

Fakier, N., & Wild, L. G. (2011). Associations among sleep problems, learning difficulties and substance use in adolescence. *Journal of Adolescence*, 34(4), 517e526.

Fargason, R. E., Fobian, A. D., Hablitz, L. M., Paul, J. R., White, B. A., Cropsey, K. L., & Gamble, K. L. (2017). Correcting delayed circadian phase with bright light therapy predicts improvement in ADHD symptoms: A pilot study. *Journal of Psychiatric Research*, 91, 10e110.

Ferrara, M., & De Gennaro, L. (2011). How much sleep do we need? *Sleep Medicine Reviews*, 2(2), 100e119. Fortuna, L. R., Cook, B., Porche, M. V., Wang, Y., Amaris, A. M., & Alegria, M. (2018). Sleep disturbance as a predictor of time to drug and alcohol use treatment in primary care. *Sleep Medicine*, 42, 31e37.

Fujino, Y., Mizoue, T., Tokui, N., & Yoshimura, T. (2020). Prospective cohort study of stress, life satisfaction, self-rated health, insomnia, and suicide death in Japan. *Suicide and Life-Threatening Behavior*, 50(2), 227e237.

Fullagar, H. H., Skorski, S., Duffield, R., Hammes, D., Coutts, A. J., & Meyer, T. (2010). Sleep and athletic performance: The effects of sleep loss on exercise performance, and physiological and cognitive responses to exercise. *Sports Medicine*, 40(1), 111-126.

George, C. F., Kab, V., Kab, P., Villa, J. J., & Levy, A. M. (July 2013). Sleep and breathing in professional football players. *Sleep Medicine*, 14(7), 717-720. [https://doi.org/10.1016/s1389-9407\(13\)00113-8](https://doi.org/10.1016/s1389-9407(13)00113-8)

Gerber, M., Best, S., Meerstetter, F., Isoard-Gautheur, S., Gustafsson, H., Bianchi, R., Madigan, D. J., Colledge, F., Ludyga, S., & Holsboer-Trachsler, E. (2018). Cross-sectional and longitudinal associations between athlete burnout, insomnia, and polysomnographic indices in young elite athletes. *Journal of Sport & Exercise Psychology*, 40(6), 712-724.

Germain, A., Hall, M., Krakow, B., Shear, M. K., & Buysse, D. J. (2000). A brief sleep scale for posttraumatic stress disorder: Pittsburgh Sleep Quality Index Addendum for PTSD. *Journal of Anxiety Disorders*, 14(2), 233-244.

Germain, A. (2012). Sleep disturbances as the hallmark of PTSD: Where are we now? *American Journal of Psychiatry*, 169(12), 1312-1313. Giedke, H., & Schwärzler, F. (2002). Therapeutic use of sleep deprivation in depression. *Sleep Medicine Reviews*, 6(2), 111-117.

Gillin, J. (1998). Are sleep disturbances risk factors for anxiety, depressive and addictive disorders? *Acta Psychiatrica Scandinavica*, 98, 296-303.

Giorgi, F., Mattei, A., Notarnicola, I., Petrucci, C., & Lancia, L. (2018). Can sleep quality and burnout affect the job performance of shift-work nurses? A hospital cross-sectional study. *Journal of Advanced Nursing*, 74(3), 698-708.

Glozier, N., O'Dea, B., McGorry, P. D., Pantelis, C., Amminger, G. P., Hermens, D. F., Purcell, R., Scott, E., & Hickie, I. B. (2014). Delayed sleep onset in depressed young people. *BMC Psychiatry*, 14(1), 33.

Gold, A. K., & Sylvia, L. G. (2016). The role of sleep in bipolar disorder. *Nature and Science of Sleep*, 8, 207.

Golden, R. N., Gaynes, B. N., Ekstrom, R. D., Hamer, R. M., Jacobsen, F. M., Suppes, T., Wisner, K. L., & Nemeroff, C. B. (2000). The efficacy of light therapy in the treatment of mood disorders: A review and meta-analysis of the evidence. *American Journal of Psychiatry*, 157(12), 1676-1677.

Goldman-Mellor, S., Gregory, A. M., Caspi, A., Harrington, H., Parsons, M., Poulton, R., & Moffitt, T. E. (2014). Mental health antecedents of early midlife insomnia: Evidence from a four-decade longitudinal study. *Sleep*, 37(11), 1767-1770.

Goldstein, T. R., Bridge, J. A., & Brent, D. A. (2008). Sleep disturbance preceding completed suicide in adolescents. *Journal of Consulting and Clinical Psychology*, 76(1), 84.

Goodhines, P., Park, A., & Gellis, L. (2017). Interaction between risky drinking patterns and insomnia diurnal impact on subsequent negative drinking consequences in college students. *Alcoholism: Clinical and Experimental Research*, 41.

Goodhines, P. A., Gellis, L. A., Kim, J., Fucito, L. M., & Park, A. (2019). Self-medication for sleep in college students: Concurrent and prospective associations with sleep and alcohol behavior. *Behavioral Sleep Medicine*, 17(3), 227-231.

Gouttebauge, V., Castaldelli-Maia, J. M., Gorczynski, P., Hainline, B., Hitchcock, M. E., Kerkhoffs, G. M., Rice, S. M., & Reardon, C. L. (2019). Occurrence of mental health symptoms and disorders in current and former elite athletes: A systematic review and meta-analysis. *British Journal of Sports Medicine*, 53(11), 1997-2006.

Grandner, M. A., Hall, C., Jaszewski, A., Alfonso-Miller, P., Gehrels, J.-A., Killgore, W. D., & Athey, A. (2021). Mental health in student athletes: Associations with sleep duration, sleep quality, insomnia, fatigue, and sleep apnea symptoms. *Athletic Training & Sports Health Care*, 13(4), 109-117.

Gromov, I., & Gromov, D. (2009). Sleep and substance use and abuse in adolescents. *Child and Adolescent Psychiatric Clinics of North America*, 18(4), 929-946. 108

Gruber, J., Miklowitz, D. J., Harvey, A. G., Frank, E., Kupfer, D., Thase, M. E., Sachs, G. S., & Ketter, T. A. (2011). Sleep matters: Sleep functioning and course of illness in bipolar disorder. *Journal of Affective Disorders*, 134(1e3), 417-420.

Gulliver, A., Griffiths, K. M., Mackinnon, A., Batterham, P. J., & Stanimirovic, R. (2010). The mental health of Australian elite athletes. *Journal of Science and Medicine in Sport*, 14(3), 200-211.

Gupta, R., Lahan, V., & Goel, D. (2013). A study examining depression in restless legs syndrome. *Asian Journal of Psychiatry*, 4(4), 308-312.

Gustafsson, H., & Skoog, T. (2012). The mediational role of perceived stress in the relation between optimism and burnout in competitive athletes. *Anxiety, Stress & Coping*, 25(2), 183-199.

Habukawa, M., Uchimura, N., Maeda, M., Kotorii, N., & Maeda, H. (2007). Sleep findings in young adult patients with posttraumatic stress disorder. *Biological Psychiatry*, 62(10), 1179-1182.

Hall, M., Vasko, R., Buysse, D., Ombao, H., Chen, Q., Cashmere, J. D., Kupfer, D., & Thayer, J. F. (2004). Acute stress affects heart rate variability during sleep. *Psychosomatic Medicine*, 66(1), 67-72.

Hammond, T., Gialloreti, C., Kubas, H., & Davis IV, H. H. (2013). The prevalence of failure-based depression among elite athletes. *Clinical Journal of Sport Medicine*, 23(4), 273-277.

Harvey, A. G., Schmidt, D. A., Scarnà, A., Semler, C. N., & Goodwin, G. M. (2000). Sleep-related functioning in euthymic patients with bipolar disorder, patients with insomnia, and subjects without sleep problems. *American Journal of Psychiatry*, 157(1), 9-17.

Harvey, A. G. (2008). Sleep and circadian rhythms in bipolar disorder: Seeking synchrony, harmony, and regulation. *American Journal of Psychiatry*, 165(7), 820-829.

Hasler, B. P., Martin, C. S., Wood, D. S., Rosario, B., & Clark, D. B. (2014). A longitudinal study of insomnia and other sleep complaints in adolescents with and without alcohol use disorders. *Alcoholism: Clinical and Experimental Research*, 38(8), 2220-2223.

Hasler, B. P., Kirisci, L., & Clark, D. B. (2016). Restless sleep and variable sleep timing during late childhood accelerate the onset of alcohol and other drug involvement. *Journal of Studies on Alcohol and Drugs*, 37(4), 697-700.

Hauri, P. J., Friedman, M., & Ravaris, C. L. (1989). Sleep in patients with spontaneous panic attacks. *Sleep*, 12(4), 323-327.

Hedegaard, H., Curtin, S., & Warner, M. (2010). Increase in suicide mortality in the United States, 1999-2008. *NCHS Data Brief*, no 372.

Hyattsville, MD: National Center for Health Statistics. Hirschfeld, R. M., Williams, J. B., Spitzer, R. L., Calabrese, J. R., Flynn, L., Keck, P. E., Jr., Lewis, L., McElroy, S. L., Post, R. M., & Rapport, D. J. (2000). Development and validation of a screening instrument for bipolar spectrum disorder: The mood disorder questionnaire. *American Journal of Psychiatry*, 157(11), 1813-1820.

Hirshkowitz, M., Whiton, K., Albert, S. M., Alessi, C., Bruni, O., DonCarlos, L., Hazen, N., Herman, J., Katz, E. S., & Kheirandish-Gozal, L. (2010). National sleep foundation's sleep time duration recommendations: Methodology and results summary. *Sleep Health*, 1(1), 40-43. <https://doi.org/10.1016/j.sleh.2014.12.010>

Ho, F. Y.-Y., Chan, C. S., & Tang, K. N.-S. (2016). Cognitive-behavioral therapy for sleep disturbances in treating posttraumatic stress disorder symptoms: A meta-analysis of randomized controlled trials. *Clinical Psychology Review*, 43, 90-102.

Huskey, A., Kim, K., Emert, S., Auerbach, A., Webb, R., Skog, M., Grandner, M., & Taylor, D. (2011). 2010 athlete sleep and mental health: Differences by gender, race, and ethnicity. *Sleep*, 34(Suppl. 2), A120eA126. <https://doi.org/10.1093/sleep/zsab072.314>

Hvolby, A. (2010). Associations of sleep disturbance with ADHD: Implications for treatment. *ADHD Attention Deficit and Hyperactivity Disorders*, 4(1), 1e14.

Hysing, M., Lundervold, A. J., Posserud, M.-B., & Sivertsen, B. (2016). Association between sleep problems and symptoms of attention deficit hyperactivity disorder in adolescence: Results from a large population-based study. *Behavioral Sleep Medicine*, 14(2), 200-206.

Insana, S. P., Hall, M., Buysse, D. J., & Germain, A. (2013). Validation of the Pittsburgh Sleep Quality Index Addendum for posttraumatic stress disorder (PSQI-A) in US male military veterans. *Journal of Traumatic Stress*, 26(2), 192-200.

Iso, Y., Kitai, H., Kyuno, E., Tsunoda, F., Nishinaka, N., Funato, M., Nishimura, E., Akihiro, S., Tanuma, H., & Yonechi, T. (2019). Prevalence and significance of sleep disordered breathing in adolescent athletes. *ERJ Open Research*, 5(1).

Jackson, A., Cavanagh, J., & Scott, J. (2003). A systematic review of manic and depressive prodromes. *Journal of Affective Disorders*, 74(3), 209-217.

Jaoude, P., Vermont, L. N., Porhomayon, J., & El-Solh, A. A. (2010). Sleep-disordered breathing in patients with post-traumatic stress disorder. *Annals of the American Thoracic Society*, 12(2), 209-218. Johns, M. W. (1991). A new method for measuring daytime sleepiness: The epworth sleepiness scale. *Sleep*, 14(6), 204-209.

Johnson, E. O., Roth, T., & Breslau, N. (2002). The association of insomnia with anxiety disorders and depression: Exploration of the direction of risk. *Journal of Psychiatric Research*, 36(4), 400-408.

Juliff, L. E., Halson, S. L., & Peiffer, J. J. (2010). Understanding sleep disturbance in athletes prior to important competitions. *Journal of Science and Medicine in Sport*, 14(1), 13e14.

Kalmbach, D. A., Anderson, J. R., & Drake, C. L. (2018). The impact of stress on sleep: Pathogenic sleep reactivity as a vulnerability to insomnia and circadian disorders. *Journal of Sleep Research*, 27(6), e12710. <https://doi.org/10.1111/jsr.12710>

Kanady, J. C., Talbot, L. S., Maguen, S., Straus, L. D., Richards, A., Ruoff, L., Metzler, T. J., & Neylan, T. C. (2018). Cognitive behavioral therapy for insomnia reduces fear of sleep in individuals with posttraumatic stress disorder. *Journal of Clinical Sleep Medicine*, 14(7), 1193e1203.

Kaplan, K. A., & Williams, R. (2017). Hypersomnia: An overlooked, but not overestimated, sleep disturbance in bipolar disorder. *Evidence-Based Mental Health*, 20(2), 59-69.

Kessler, R. C., Berglund, P., Demler, O., Jin, R., Merikangas, K. R., & Walters, E. E. (2000). Lifetime prevalence and age-of-onset distributions of DSM-IV disorders in the national comorbidity survey replication. *Archives of General Psychiatry*, 57(6), 593-602.

Kessler, R. C., Petukhova, M., Sampson, N. A., Zaslavsky, A. M., & Wittchen, H.-U. (2012). Twelve-month and lifetime prevalence and lifetime morbid risk of anxiety and mood disorders in the United States. *International Journal of Methods in Psychiatric Research*, 21(3), 169-184.

Khader, S., Tubbs, A. S., Haghghi, A., Athey, A., Killgore, W. S., Hale, L., Branas, C., Gehrels, J.-A., Alfonso-Miller, P., & Fernandez, F.-X. (2020). Onset insomnia and insufficient sleep duration are associated with suicide ideation in university students and athletes. *Journal of Affective Disorders*, 274.

Kim, K. N., & Huskey, A. (2022). Sleep predictors of mental health in college student athletes: Differences by race and ethnicity. *University of Arizona*.

Kim, K. N., Huskey, A., Taylor, D. J., Auerbach, A., Webb, R., Skog, M., Grandner, M., & Ruiz, J. (2022). Sleep predictors of mental health in college student athletes. *Society of Behavioral Sleep Medicine Annual Scientific Conference*, Washington, DC.

Krakow, B., Lowry, C., Germain, A., Gaddy, L., Hollifield, M., Koss, M., Tandberg, D., Johnston, L., & Melendrez, D. (2000). A retrospective study on improvements in nightmares and post-traumatic stress disorder following treatment for co-morbid sleep-disordered breathing. *Journal of Psychosomatic Research*, 49(5), 291-298.

Krakow, B., Melendrez, D., Warner, T. D., Dorin, R., Harper, R., & Hollifield, M. (2002). To breathe, perchance to sleep: Sleep-disordered breathing and chronic insomnia among trauma survivors. *Sleep and Breathing*, 6(4), 189-202.

Kroshus, E., Wagner, J., Wyrick, D., Athey, A., Bell, L., Benjamin, H. J., Grandner, M. A., Kline, C. E., Mohler, J. M., & Prichard, J. R. (2019). Wake up call for collegiate athlete sleep: Narrative review and consensus recommendations from the NCAA interassociation task force on sleep and wellness. *British Journal of Sports Medicine*, 53(12), 171-176.

Lathrop, N. J., & Lentz, M. (2001). Melatonin, light therapy, and jet lag. *Air Medical Journal*, 20(5), 30-34.

Lee, H.-J., Rex, K. M., Nievergelt, C. M., Kelsoe, J. R., & Kripke, D. F. (2011). Delayed sleep phase syndrome is related to seasonal affective disorder. *Journal of Affective Disorders*, 133(3), 573-579.

Lee, Y. J., Cho, S.-J., Cho, I. H., & Kim, S. J. (2012). Insufficient sleep and suicidality in adolescents. *Sleep*, 35(4), 400-406.

Leeder, J., Glaister, M., Pizzoferro, K., Dawson, J., & Pedlar, C. (2012). Sleep duration and quality in elite athletes measured using wristwatch actigraphy. *Journal of Sports Sciences*, 30(7), 581-588.

Lettieri, C. J., Williams, S. G., & Collen, J. F. (2016). OSA syndrome and posttraumatic stress disorder: Clinical outcomes and impact of positive airway pressure therapy. *Chest*, 149(2), 483-490.

Lewis, K. S., Gordon-Smith, K., Forty, L., Di Florio, A., Craddock, N., Jones, L., & Jones, I. (2017). Sleep loss as a trigger of mood episodes in bipolar disorder: Individual differences based on diagnostic subtype and gender. *The British Journal of Psychiatry*, 211(3), 169e174.

Lewy, A. J., Lefler, B. J., Emens, J. S., & Bauer, V. K. (2006). The circadian basis of winter depression. *Proceedings of the National Academy of Sciences*, 103(19), 9414e9419.

Li, S. X., Lam, S. P., Mandy, W., Zhang, J., & Wing, Y. K. (2010). Nocturnal sleep disturbances as a predictor of suicide attempts among psychiatric outpatients: A clinical, epidemiologic, prospective study. *The Journal of Clinical Psychiatry*, 71(11), 1440e1446.

Li, S. X., Zhang, B., Li, A. M., & Wing, Y. K. (2010). Prevalence and correlates of frequent nightmares: a community-based 2-phase study. *Sleep*, 33(6), 944e948.  
<https://doi.org/10.1093/sleep/33.6.944>

Liu, X., Chen, H., Bo, Q.-G., Fan, F., & Jia, C.-X. (2017). Poor sleep quality and nightmares are associated with non-suicidal self-injury in adolescents. *European Child & Adolescent Psychiatry*, 26(3), 271e279.

Mah, C. D., Kezirian, E. J., Marcello, B. M., & Dement, W. C. (2018). Poor sleep quality and insufficient sleep of a collegiate student-athlete population. *Sleep Health*, 4(3), 201e207.

Malik, S., Kanwar, A., Sim, L. A., Prokop, L. J., Wang, Z., Benkhadra, K., & Murad, M. H. (2014). The association between sleep disturbances and suicidal behaviors in patients with psychiatric diagnoses: A systematic review and meta-analysis. *Systematic Reviews*, 3(1), 1e9.

Manfredini, R., Manfredini, F., Fersini, C., & Conconi, F. (1998). Circadian rhythms, athletic performance, and jet lag. *British Journal of Sports Medicine*, 32(2), 101e106.

Mathias, J., & Alvaro, P. (2012). Prevalence of sleep disturbances, disorders, and problems following traumatic brain injury: A meta-analysis. *Sleep Medicine*, 13(7), 894e900.

Mayes, S. D., Calhoun, S. L., Bixler, E. O., Vgontzas, A. N., Mahr, F., Hillwig-Garcia, J., Elamir, B., Edhere-Ekezie, L., & Parvin, M. (2009). ADHD subtypes and comorbid anxiety, depression, and oppositional-defiant disorder: Differences in sleep problems. *Journal of Pediatric Psychology*, 34(3), 324e332.

McCall, C. A., Turkheimer, E., Tsang, S., Avery, A., Duncan, G. E., & Watson, N. F. (2019). Sleep duration and post-traumatic stress disorder symptoms: A twin study. *Sleep*, 42(12), Article zsz179.

Mellman, T. A., & Uhde, T. W. (1999a). Electroencephalographic sleep in panic disorder: A focus on sleep-related panic attacks. *Archives of General Psychiatry*, 56(2), 174e184.

Mellman, T. A., & Uhde, T. W. (1999b). Sleep panic attacks: New clinical findings and theoretical implications. *American Journal of Psychiatry*, 156, 146.

Mellman, T. A., Bustamante, V., Fins, A. I., Pigeon, W. R., & Nolan, B. (2002). REM sleep and the early development of posttraumatic stress disorder. *American Journal of Psychiatry*, 159(10), 1696e1701. <https://doi.org/10.1176/appi.ajp.159.10.1696>

Merikangas, K. R., Jin, R., He, J.-P., Kessler, R. C., Lee, S., Sampson, N. A., Viana, M. C., Andrade, L. H., Hu, C., & Karam, E. G. (2011). Prevalence and correlates of bipolar spectrum disorder in the world mental health survey initiative. *Archives of General Psychiatry*, 68(3), 241e201.

Mike, T. B., Shaw, D. S., Forbes, E. E., Sitnick, S. L., & Hasler, B. P. (2016). The hazards of bad sleep: sleep duration and quality as predictors of adolescent alcohol and cannabis use. *Drug and Alcohol Dependence*, 168, 330-339.

Milanak, M. E., Zuromski, K. L., Cero, I., Wilkerson, A. K., Resnick, H. S., & Kilpatrick, D. G. (2019). Traumatic event exposure, posttraumatic stress disorder, and sleep disturbances in a national sample of US adults. *Journal of Traumatic Stress*, 32(1), 14-22.

Morin, C. M. (1993). *Insomnia: Psychological assessment and management*. The Guilford Press. Morphy, H., Dunn, K. M., Lewis, M., Boardman, H. F., & Croft, P. R. (2007). Epidemiology of insomnia: A longitudinal study in a UK population. *Sleep*, 30(3), 274-280.

Nadorff, M. R., Nazem, S., & Fiske, A. (2013). Insomnia symptoms, nightmares, and suicide risk: Duration of sleep disturbance matters. *Suicide and Life-Threatening Behavior*, 43(2), 139-149.

National Institute on Mental Health. (September 2020). *Suicide*. National Institute on Mental Health. <https://www.nimh.nih.gov/health/statistics/suicide.shtml>.

Newman, S. D., Grantz, J. G., Brooks, K., Gutierrez, A., & Kawata, K. (2020). Association between history of concussion and substance use is mediated by mood disorders. *Journal of Neurotrauma*, 37(1), 147-151.

Ng, T. H., Chung, K.-F., Ho, F. Y.-Y., Yeung, W.-F., Yung, K.-P., & Lam, T.-H. (2010). Sleepwake disturbance in interepisode bipolar disorder and high-risk individuals: A systematic review and meta-analysis. *Sleep Medicine Reviews*, 20, 470-8. NIMH. (2019). *Mental illness*. <https://www.nimh.nih.gov/health/statistics>

Norbury, R., & Evans, S. (2019). Time to think: Subjective sleep quality, trait anxiety and university start time. *Psychiatry Research*, 271, 214-219.

Nováková, M., Prasko, J., Látalová, K., Sládek, M., & Sumová, A. (2010). The circadian system of patients with bipolar disorder differs in episodes of mania and depression. *Bipolar Disorders*, 12(3), 323-31.

Nutt, D., Wilson, S., & Paterson, L. (2008). Sleep disorders as core symptoms of depression. *Dialogues in Clinical Neuroscience*, 10(3), 329.

Ohayon, M. M., & Roth, T. (2003). Place of chronic insomnia in the course of depressive and anxiety disorders. *Journal of Psychiatric Research*, 37(1), 91-100.

Ohayon, M. M. (2003). Epidemiology of insomnia: What we know and what we still need to learn. *Sleep Medicine Reviews*, 7(2), 96-111.

Orr, J. E., Smales, C., Alexander, T. H., Stepnowsky, C., Pillar, G., Malhotra, A., & Sarmiento, K. F. (2017). Treatment of OSA with CPAP is associated with improvement in PTSD symptoms among veterans. *Journal of Clinical Sleep Medicine*, 13(1), 96-103.

Overbeek, T., van Diest, R., Schruers, K., Kruizinga, F., & Griez, E. (2000). Sleep complaints in panic disorder patients. *The Journal of Nervous and Mental Disease*, 188(7), 488-493.

Pace-Schott, E. F., Milad, M. R., Orr, S. P., Rauch, S. L., Stickgold, R., & Pitman, R. K. (2009). Sleep promotes generalization of extinction of conditioned fear. *Sleep*, 32(1), 19-26. <https://doi.org/10.5665/sleep.32.1.19>

Pallesen, S., Sivertsen, B., Nordhus, I. H., & Bjorvatn, B. (2014). A 10-year trend of insomnia prevalence in the adult Norwegian population. *Sleep Medicine*, 15(2), 173-179.

Patel, D. R., Omar, H., & Terry, M. (2010). Sport-related performance anxiety in young female athletes. *Journal of Pediatric and Adolescent Gynecology*, 23(7), 320e330. <https://doi.org/10.1016/j.jpag.2010.04.004>

Perlis, M. L., Grandner, M. A., Chakravorty, S., Bernert, R. A., Brown, G. K., & Thase, M. E. (2016). Suicide and sleep: Is it a bad thing to be awake when reason sleeps? *Sleep Medicine Reviews*, 29, 101e107.

Pieters, S., Burk, W. J., Van der Vorst, H., Dahl, R. E., Wiers, R. W., & Engels, R. C. (2010). Prospective relationships between sleep problems and substance use, internalizing and externalizing problems. *Journal of Youth and Adolescence*, 44(2), 379e388.

Pigeon, W. R., Bishop, T. M., & Krueger, K. M. (2017). Insomnia as a precipitating factor in new onset mental illness: A systematic review of recent findings. *Current Psychiatry Reports*, 19(8), 44.

Pluhar, E., McCracken, C., Griffith, K. L., Christino, M. A., Sugimoto, D., & Meehan, W. P. (2019). Team sport athletes may be less likely to suffer anxiety or depression than individual sport athletes. *Journal of Sports Science and Medicine*, 18(3), 490e497. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6683719/>.

Potter, M. N., Howell, D. R., Dahab, K. S., Sweeney, E. A., Albright, J. C., & Provance, A. J. (2020). Sleep quality and quality of life among healthy high school athletes. *Clinical Pediatrics*, 59(2), 170e177.

Raedeke, T. D., & Smith, A. L. (2001). Development and preliminary validation of an athlete burnout measure. *Journal of Sport & Exercise Psychology*, 23(4), 281e306.

Raikes, A. C., Athey, A., Alfonso-Miller, P., Killgore, W. D., & Grandner, M. A. (2019). Insomnia and daytime sleepiness: Risk factors for sports-related concussion. *Sleep Medicine*, 58, 76e74.

Reardon, C. L., Hainline, B., Aron, C. M., Baron, D., Baum, A. L., Bindra, A., Budgett, R., Campriani, N., Castaldelli-Maia, J. M., & Currie, A. (2019). Mental health in elite athletes: International Olympic Committee consensus statement (2019). *British Journal of Sports Medicine*, 53(11), 767e769.

Reddy, M. (2010). Depression: The disorder and the burden. *Indian Journal of Psychological Medicine*, 32(1), 1.

Ribeiro, J. D., Pease, J. L., Gutierrez, P. M., Silva, C., Bernert, R. A., Rudd, M. D., & Joiner, T. E., Jr. (2012). Sleep problems outperform depression and hopelessness as cross-sectional and longitudinal predictors of suicidal ideation and behavior in young adults in the military. *Journal of Affective Disorders*, 136(3), 443e450.

Rice, T. B., Dunn, R. E., Lincoln, A. E., Tucker, A. M., Vogel, R. A., Heyer, R. A., Yates, A. P., Wilson, P. W. F., Pellmen, E. J., Allen, T. W., Newman, A. B., Strollo, P. J., Jr., & National Football League Subcommittee on Cardiovascular, H. (2010). Sleep-disordered breathing in the national football League. *Sleep*, 33(6), 819e824. <https://doi.org/10.1093/sleep/33.6.819>

Riemann, D., Baglioni, C., Bassetti, C., Bjorvatn, B., Dolenc Groselj, L., Ellis, J. G., Espie, C. A., Garcia-Borreguero, D., Gjerstad, M., & Gonçalves, M. (2017). European guideline for the diagnosis and treatment of insomnia. *Journal of Sleep Research*, 26(6), 770e777. <https://doi.org/10.1111/jsr.12094>

Roane, B. M., & Taylor, D. J. (October 2008). Adolescent insomnia as a risk factor for early adult depression and substance abuse [Research Support, N.I.H., Extramural]. *Sleep*, 31(10), 1301e1306. <https://doi.org/10.5665/sleep/31.10.1301>

Roberts, R. E., & Duong, H. T. (2012). The prospective association between sleep deprivation and depression among adolescents. *Sleep*, 35(2), 239e244.

Robillard, R., Naismith, S. L., Rogers, N. L., Ip, T. K., Hermens, D. F., Scott, E. M., & Hickie, I. B. (2013a). Delayed sleep phase in young people with unipolar or bipolar affective disorders. *Journal of Affective Disorders*, 150(2), 260e263.

Robillard, R., Naismith, S., Rogers, N., Scott, E., Ip, T., Hermens, D. F., & Hickie, I. (2013b). Sleep-wake cycle and melatonin rhythms in adolescents and young adults with mood disorders: Comparison of unipolar and bipolar phenotypes. *European Psychiatry*, 28(7), 817e822.

Rodrigues, D. F., Silva, A., Rosa, J. P. P., Ruiz, F. S., Verissimo, A. W., Winckler, C., da Rocha, E. A., Parsons, A., Tufik, S., & de Mello, M. T. (2017). Profiles of mood states, depression, sleep quality, sleepiness, and anxiety of the paralympic athletics team: A longitudinal study. *Apunts. Medicina de l'Esport*, 22(190), 93e101.

Roehrs, T., & Roth, T. (2001). Sleep, sleepiness, and alcohol use. *Alcohol Research & Health*, 20(2), 101. Roehrs, T., Kapke, A., Roth, T., & Breslau, N. (2006). Sex differences in the polysomnographic sleep of young adults: A community-based study. *Sleep Medicine*, 7(1), 49e53.

Rosa, J. P. P., Silva, A., Rodrigues, D. F., Simim, M. A., Narciso, F. V., Tufik, S., Bichara, J. J., Pereira, S. R. D., Da Silva, S. C., & de Mello, M. T. (2018). Effect of bright light therapy on delayed sleep/wake cycle and reaction time of athletes participating in the Rio 2016 Olympic Games. *Chronobiology International*, 35(8), 1090e1103.

Rosen, R. C., Cikesh, B., Fang, S., Trachtenberg, F. L., Seal, K. H., Magnavita, A. M., Bovin, M. J., Green, J. D., Bliwise, D. L., & Marx, B. P. (2019). Posttraumatic stress disorder severity and insomnia-related sleep disturbances: Longitudinal associations in a large, gender-balanced cohort of combat-exposed veterans. *Journal of Traumatic Stress*, 32(7), 937e940.

Rusch, H., Guardado, P., Baxter, T., Mysliwiec, V., & Gill, J. (2010). Improved sleep quality is associated with reductions in depression and PTSD arousal symptoms and increases in IGF-1 concentrations. *Journal of Clinical Sleep Medicine: JCSM: Official Publication of the American Academy of Sleep Medicine*, 11.

Russell, K., Rasmussen, S., & Hunter, S. C. (2018). Insomnia and nightmares as markers of risk for suicidal ideation in young people: Investigating the role of defeat and entrapment. *Journal of Clinical Sleep Medicine*, 14(9), 990e994.

Rybak, Y. E., McNeely, H. E., Mackenzie, B. E., Jain, U. R., & Levitan, R. D. (2007). Seasonality and circadian preference in adult attention-deficit/hyperactivity disorder: Clinical and neuropsychological correlates. *Comprehensive Psychiatry*, 48(6), 672e677.

Sargent, C., Lastella, M., Halson, S. L., & Roach, G. D. (2012). The impact of training schedules on the sleep and fatigue of elite athletes. *Chronobiology International*, 29(10), 1170e1178.

Saxvig, I. W., Pallesen, S., Wilhelmsen-Langeland, A., Molde, H., & Bjorvatn, B. (2012). Prevalence and correlates of delayed sleep phase in high school students. *Sleep Medicine*, 13(2), 193e199.

Schaal, K., Tafflet, M., Nassif, H., Thibault, V., Pichard, C., Alcotte, M., Guillet, T., El Helou, N., Berthelot, G., & Simon, S. (2011). Psychological balance in high level athletes: Gender-based differences and sport-specific patterns. *PLoS One*, 6(8), Article e24007.

Schredl, M., Alm, B., & Sobanski, E. (2007). Sleep quality in adult patients with attention deficit hyperactivity disorder (ADHD). *European Archives of Psychiatry and Clinical Neuroscience*, 207(3), 164e168.

Silva, A., Queiroz, S. S., Winckler, C., Vital, R., Sousa, R. A., Fagundes, V., Tufik, S., & de Mello, M. T. (2012). Sleep quality evaluation, chronotype, sleepiness and anxiety of Paralympic Brazilian athletes: Beijing 2008 Paralympic Games. *British Journal of Sports Medicine*, 46(2), 10.e104.

Silva, A., Narciso, F. V., Rosa, J. P., Rodrigues, D. F., Cruz, A.Â.d. S., Tufik, S., Viana, F., Bichara, J. J., Pereira, S. R. D., da Silva, S. C., & Mello, M. T. D. (2019, ). Gender differences in sleep patterns and sleep complaints of elite athletes. *Sleep Science (Sao Paulo, Brazil)*, 12(4), 242e248. <https://doi.org/10.5935/1984-0633.2019.0084>

Simpson, N., Gibbs, E., & Matheson, G. (2017). Optimizing sleep to maximize performance: Implications and recommendations for elite athletes. *Scandinavian Journal of Medicine & Science in Sports*, 27(3), 266e274.

Sirin Berk, S., & Baykara, S. (2019). Evaluation of depression comorbidity in obstructive sleep apnea syndrome. *Psychiatry and Clinical Psychopharmacology*, 29(4), 43.e4736.

Slightam, C., Petrowski, K., Jamison, A. L., Keller, M., Bertram, F., Kim, S., & Roth, W. T. (2018). Assessing sleep quality using self-report and actigraphy in PTSD. *Journal of Sleep Research*, 27(3), Article e12322.

Smith, R. S., Efron, B., Mah, C. D., & Malhotra, A. (2013). The impact of circadian misalignment on athletic performance in professional football players. *Sleep*, 36(12), 1999e2001.

Söderström, M., Jeding, K., Ekstedt, M., Perski, A., & Åkerstedt, T. (2012). Insufficient sleep predicts clinical burnout. *Journal of Occupational Health Psychology*, 17(2), 170.

Sonnenschein, M., Sorbi, M. J., van Doornen, L. J., Schaufeli, W. B., & Maas, C. J. (2007). Evidence that impaired sleep recovery may complicate burnout improvement independently of depressive mood. *Journal of Psychosomatic Research*, 62(4), 447e454.

Stein, M. A. (1999). Unravelling sleep problems in treated and untreated children with ADHD. *Journal of Child and Adolescent Psychopharmacology*, 9(3), 107e118.

Steinan, M., Scott, J., Lagerberg, T., Melle, I., Andreassen, O., Vaaler, A., & Morken, G. (2016). Sleep problems in bipolar disorders: More than just insomnia. *Acta Psychiatrica Scandinavica*, 133(9), 368e377.

Stracciolini, A., McCracken, C. M., Milewski, M. D., & Meehan, B. (2019). Lack of sleep among youth athletes is associated with a higher prevalence of self-reported history of anxiety and depression. *Orthopaedic Journal of Sports Medicine*, 7(3\_Suppl.), Article 2320967119S232090008

Stracciolini, A., McCracken, C. M., Meehan, W. P., & Milewski, M. D. (2021). Lack of sleep among adolescent athletes is associated with a higher prevalence of self-reported history of anxiety and depression. *Journal of Clinical Sport Psychology*, 1(aop), 1e13.

Stumbrys, T., Erlacher, D., & Schredl, M. (2013). Reliability and stability of lucid dream and nightmare frequency scales. *International Journal of Dream Research*, 6(2), 123e126.

Sung, V., Hiscock, H., Sciberras, E., & Efron, D. (2008). Sleep problems in children with attention-deficit/hyperactivity disorder: Prevalence and the effect on the child and family. *Archives of Pediatrics and Adolescent Medicine*, 162(2), 336-342. <https://doi.org/10.1001/archpedi.162.2.336>

Swinbourne, R., Gill, N., Vaile, J., & Smart, D. (2016). Prevalence of poor sleep quality, sleepiness and obstructive sleep apnoea risk factors in athletes. *European Journal of Sport Science*, 16(7), 800-808.

Swinbourne, R., Miller, J., Smart, D., Dulson, D. K., & Gill, N. (2018). The effects of sleep extension on sleep, performance, immunity and physical stress in rugby players. *Sports*, 6(2), 42.

Sylvia, L., Salcedo, S., Peters, A., da Silva Magalhães, P. V., Frank, E., Miklowitz, D., Otto, M. W., Berk, M., Nierenberg, A. A., & Deckersbach, T. (2017). Do sleep disturbances predict or moderate the response to psychotherapy in bipolar disorder? *The Journal of Nervous and Mental Disease*, 205(3), 196.

Talbot, L. S., Neylan, T. C., Metzler, T. J., & Cohen, B. E. (2014). The mediating effect of sleep quality on the relationship between PTSD and physical activity. *Journal of Clinical Sleep Medicine*, 10(7), 908-911.

Talbot, L. S., Rao, M. N., Cohen, B. E., Richards, A., Inslicht, S. S., O'Donovan, A., Maguen, S., Metzler, T. J., & Neylan, T. C. (2010). Metabolic risk factors and posttraumatic stress disorder: The role of sleep in young, healthy adults. *Psychosomatic Medicine*, 72(2), 383.

Taylor, D. J., & Bramoweth, A. D. (2010). Patterns and consequences of inadequate sleep in college students: Substance use and motor vehicle accidents. *Journal of Adolescent Health*, 46(6), 610-612.

Taylor, D. J., & Pruiksma, K. E. (2014). Cognitive and behavioural therapy for insomnia (CBT-I) in psychiatric populations: A systematic review. *International Review of Psychiatry*, 26(2), 200-213.

Taylor, D. J., Lichstein, K. L., & Durrence, H. H. (2003). Insomnia as a health risk factor. *Behavioral Sleep Medicine*, 1(2), 226-247.

Taylor, D. J., Lichstein, K. L., Durrence, H. H., Reidel, B. W., & Bush, A. J. (2000). Epidemiology of insomnia, depression, and anxiety. *Sleep*, 23(11), 1407-1416.

Taylor, D. J., Bramoweth, A. D., Grieser, E. A., Tatum, J. I., & Roane, B. M. (2013). Epidemiology of insomnia in college students: Relationship with mental health, quality of life, and substance use difficulties. *Behavior Therapy*, 44(3), 339-348. <https://doi.org/10.1016/j.beth.2012.12.001>

Teachman, B. A., Wilson, J. G., & Komarovskaya, I. (2016). Implicit and explicit stigma of mental illness in diagnosed and healthy samples. *Journal of Social and Clinical Psychology*, 35(1), 90-90.

Thun, E., Bjorvatn, B., Flo, E., Harris, A., & Pallesen, S. (2010). Sleep, circadian rhythms, and athletic performance. *Sleep Medicine Reviews*, 14, 109.

Tulppo, M. P., Jurvelin, H., Roivainen, E., Nissilä, J., Hautala, A. J., Kiviniemi, A. M., Kiviniemi, V. J., & Takala, T. (2014). Effects of bright light treatment on psychomotor speed in athletes. *Frontiers in Physiology*, 5, 144.

Tuomilehto, H., Vuorinen, V.-P., Penttilä, E., Kivimäki, M., Vuorenmaa, M., Venojärvi, M., Airaksinen, O., & Pihlajamäki, J. (2017). Sleep of professional athletes: Underexploited potential to improve health and performance. *Journal of Sports Sciences*, 35(1), 1-10.

Van der Heijden, K. B., Smits, M. G., Someren, E. J. V., & Boudewijn Gunning, W. (2009). Idiopathic chronic sleep onset insomnia in attention-deficit/ hyperactivity disorder: A circadian rhythm sleep disorder. *Chronobiology International*, 26(3), 399-407.

Van Veen, M. M., Kooij, J. S., Boonstra, A. M., Gordijn, M. C., & Van Someren, E. J. (2010). Delayed circadian rhythm in adults with attention-deficit/ hyperactivity disorder and chronic sleep-onset insomnia. *Biological Psychiatry*, 67(11), 1091-1096.

van Wyk, M., Thomas, K. G. F., Solms, M., & Lipinska, G. (2016). Prominence of hyperarousal symptoms explains variability of sleep disruption in posttraumatic stress disorder. *Psychological Trauma: Theory, Research, Practice and Policy*, 8(1), 11-16. <https://doi.org/10.1037/tra0000110>

Vedaa, Ø., Krossbakken, E., Grimsrud, I. D., Bjorvatn, B., Sivertsen, B., Magerøy, N., Einarsen, S., & Pallesen, S. (2016). Prospective study of predictors and consequences of insomnia: Personality, lifestyle, mental health, and work-related stressors. *Sleep Medicine*, 20, 10-18.

Vitale, J. A., Banfi, G., Sias, M., & La Torre, A. (2019). Athletes' rest-activity circadian rhythm differs in accordance with the sport discipline. *Chronobiology International*, 36(8), 1078-1086.

von Rosen, P., Frohm, A., Kottorp, A., Fridén, C., & Heijne, A. (2017). Multiple factors explain injury risk in adolescent elite athletes: Applying a biopsychosocial perspective. *Scandinavian Journal of Medicine & Science in Sports*, 27(12), 2092-2099.

Von Rosen, P., Frohm, A., Kottorp, A., Fridén, C., & Heijne, A. (2017). Too little sleep and an unhealthy diet could increase the risk of sustaining a new injury in adolescent elite athletes. *Scandinavian Journal of Medicine & Science in Sports*, 27(11), 1364-1371.

Wajszilber, D., Santiseban, J. A., & Gruber, R. (2018). Sleep disorders in patients with ADHD: Impact and management challenges. *Nature and Science of Sleep*, 10, 203.

WHO. (2019). Suicide. <https://www.who.int/en/news-room/fact-sheets/detail/suicide>.

Wiebe, S. T., Cassoff, J., & Gruber, R. (2012). Sleep patterns and the risk for unipolar depression: A review. *Nature and Science of Sleep*, 4, 13.

Williams, S. G., Collen, J., Orr, N., Holley, A. B., & Lettieri, C. J. (2010). Sleep disorders in combat-related PTSD. *Sleep and Breathing*, 14(1), 17-21.

Winget, C. M., DeRoshia, C. W., & Holley, D. C. (1980). Circadian rhythms and athletic performance. *Medicine & Science in Sports & Exercise*, 12.

Winokur, G., Clayton, P. J., & Reich, T. (1969). Manic depressive illness. CV Mosby.

Winsler, A., Deutsch, A., Vorona, R. D., Payne, P. A., & Szklo-Coxe, M. (2010). Sleepless in Fairfax: The difference one more hour of sleep can make for teen hopelessness, suicidal ideation, and substance use. *Journal of Youth and Adolescence*, 41(2), 372-378.

Winwood, P. C., & Lushington, K. (2006). Disentangling the effects of psychological and physical work demands on sleep, recovery and maladaptive chronic stress outcomes within a large sample of Australian nurses. *Journal of Advanced Nursing*, 56(6), 699-709.

Wojnar, M., Ilgen, M. A., Wojnar, J., McCammon, R. J., Valenstein, M., & Brower, K. J. (2009). Sleep problems and suicidality in the national comorbidity survey replication. *Journal of Psychiatric Research*, 43(5), 526-531.

Wong, M. M., & Brower, K. J. (2012). The prospective relationship between sleep problems and suicidal behavior in the National Longitudinal Study of Adolescent Health. *Journal of Psychiatric Research*, 46(7), 903-909.

Wong, M. M., Brower, K. J., Nigg, J. T., & Zucker, R. A. (2010). Childhood sleep problems, response inhibition, and alcohol and drug outcomes in adolescence and young adulthood. *Alcoholism: Clinical and Experimental Research*, 34(6), 1033-1044.

Wong, M. M., Robertson, G. C., & Dyson, R. B. (2010). Prospective relationship between poor sleep and substance-related problems in a national sample of adolescents. *Alcoholism: Clinical and Experimental Research*, 34(2), 300-307.

Woosley, J. A., Lichstein, K. L., Taylor, D. J., Riedel, B. W., & Bush, A. J. (2016). Insomnia complaint versus sleep diary parameters: Predictions of suicidal ideation. *Suicide and Life-Threatening Behavior*, 46(1), 88-90.

Yoon, S. Y. R., Jain, U. R., & Shapiro, C. M. (2013). Sleep and daytime function in adults with attention-deficit/hyperactivity disorder: Subtype differences. *Sleep Medicine*, 14(7), 748-750.

Youssef, N. A., Ege, M., Angly, S. S., Strauss, J. L., & Marx, C. E. (2011). Is obstructive sleep apnea associated with ADHD. *Annals of Clinical Psychiatry*, 23(3), 213-224.

Zayfert, C., & DeViva, J. C. (2004). Residual insomnia following cognitive behavioral therapy for PTSD. *Journal of Traumatic Stress*, 17(1), 79-83.  
<https://doi.org/10.1023/B:JOTS.0000146799.31799.e7>

Zhou, T.-h., Dang, W.-m., Ma, Y.-t., Hu, C.-q., Wang, N., Zhang, G.-y., Wang, G., Shi, C., Zhang, H., & Guo, B. (2018). Clinical efficacy, onset time and safety of bright light therapy in acute bipolar depression as an adjunctive therapy: A randomized controlled trial. *Journal of Affective Disorders*, 227, 90-96.

## منابع فصل دهم

Abbott, W., Brett, A., Watson, A. W., Brooker, H., & Clifford, T. (2020). Sleep restriction in elite soccer players: Effects on explosive power, wellbeing, and cognitive function. *Research Quarterly for Exercise & Sport*, 91. <https://doi.org/10.1080/02701367.2020.1834071>

Allan, A. C., Edmed, S. L., Sullivan, K. A., Karlsson, L. J. E., Lange, R. T., & Smith, S. S. (2017). Actigraphically measured sleep-wake behavior after mild traumatic brain injury: A case-control study. *The Journal of Head Trauma Rehabilitation*, 32, E30. <https://doi.org/10.1097/HTR.0000000000000222>

Anderson, B., Storfer-Isser, A., Taylor, H. G., Rosen, C. L., & Redline, S. (2009). Associations of executive function with sleepiness and sleep duration in adolescents. *Pediatrics*, 123, e70-77. <https://doi.org/10.1093/peds.2008-1182>

Anderson, C., & Platten, C. R. (2011). Sleep deprivation lowers inhibition and enhances impulsivity to negative stimuli. *Behavioural Brain Research*, 217, 463-476.  
<https://doi.org/10.1016/j.bbr.2010.09.020>

Araujo, G. C., Antonini, T. N., Anderson, V., Vannatta, K. A., Salley, C. G., Bigler, E. D., Taylor, H. G., Gerhardt, C., Rubin, K., Dennis, M., Lo, W., Mackay, M. T., Gordon, A., Koterba, C. H., Gomes, A., Greenham, M., & Yeates, K. O. (2017). Profiles of executive function across children with distinct brain disorders: Traumatic brain injury, stroke, and brain tumor. *Journal of the International Neuropsychological Society*, 23, 296-308.  
<https://doi.org/10.1017/S1300717717000374>

Arbour, C., Khoury, S., Lavigne, G. J., Gagnon, K., Poirier, G., Montplaisir, J. Y., Carrier, J., & Gosselin, N. (2010). Are NREM sleep characteristics associated to subjective sleep complaints after mild traumatic brain injury? *Sleep Medicine*, 16, 236-241.  
<https://doi.org/10.1016/j.sleep.2014.12.002>

Arent, S. M., & Landers, D. M. (2003). Arousal, anxiety, and performance: A reexamination of the inverted-U hypothesis. *Research Quarterly for Exercise and Sport*, 74, 437-444.  
<https://doi.org/10.1080/02701377.2003.1069113>

Areta, J. L., & Hopkins, W. G. (2018). Skeletal muscle glycogen content at rest and during endurance exercise in humans: A meta-analysis. *Sports Medicine*, 48, 291-302.  
<https://doi.org/10.1007/s40209-018-0941-1>

Axelsson, J., Kecklund, G., Åkerstedt, T., Donofrio, P., Lekander, M., & Ingre, M. (2008). Sleepiness and performance in response to repeated sleep restriction and subsequent recovery during semi-laboratory conditions. *Chronobiology International*, 25, 297-308.

Balk, Y. A., de Jonge, J., Oerlemans, W. G., & Geurts, S. A. (2019). Physical recovery, mental detachment and sleep as predictors of injury and mental energy. *Journal of Health Psychology*, 24, 182-188.

Banks, S., Van Dongen, H. P. A., Maislin, G., & Dinges, D. F. (2010). Neurobehavioral dynamics following chronic sleep restriction: Dose-response effects of one night for recovery. *Sleep*, 33, 103-107.

Baron, B., Noakes, T. D., Dekerle, J., Moullan, F., Robin, S., Matran, R., & Pelayo, P. (2008). Why does exercise terminate at the maximal lactate steady state intensity? *British Journal of Sports Medicine*, 42, 82-87.  
<https://doi.org/10.1136/bjsm.2007.044444>

Baron, K. G., Reid, K. J., Malkani, R. G., Kang, J., & Zee, P. C. (2016). Sleep variability among older adults with insomnia: Associations with sleep quality and cardiometabolic disease risk. *Behavioral Sleep Medicine*, 14, 1-11.  
<https://doi.org/10.1080/15402002.2015.112200>

Sleep and recovery Chapter | 10170 Belenky, G., Wesensten, N. J., Thorne, D. R., Thomas, M. L., Sing, H. C., Redmond, D. P., Russo, M. B., & Balkin, T. J. (2003). Patterns of performance degradation and restoration during sleep restriction and subsequent recovery: A sleep dose-response study. *Journal of Sleep Research*, 12, 1-12.

Bell, D. R., Post, E. G., Biese, K., Bay, C., & McLeod, T. V. (2018). Sport specialization and risk of overuse injuries: A systematic review with meta-analysis. *Pediatrics*, 142.  
<https://doi.org/10.1093/peds.2018.0707>

Bell, L., Ruddock, A., Maden-Wilkinson, T., & Rogerson, D. (2020). Overreaching and overtraining in strength sports and resistance training: A scoping review. *Journal of Sports Sciences*, 38, 1897-1912.  
<https://doi.org/10.1080/02643196.2020.1763077>

Bellinger, P. (2020). Functional overreaching in endurance athletes: A necessity or cause for concern? *Sports Medicine*, 50, 1091-1093. <https://doi.org/10.1007/s40201-020-01279-w>

Bloomfield, I. L. M., Espie, C. A., & Evans, J. J. (2010). Do sleep difficulties exacerbate deficits in sustained attention following traumatic brain injury? *Journal of the International Neuropsychological Society*, 16, 176-180. <https://doi.org/10.1111/j.1305-1117.999.999.999>

Brenner, J. S., LaBotz, M., Sugimoto, D., & Stracciolini, A. (2019). The psychosocial implications of sport specialization in pediatric athletes. *Journal of Athletic Training*, 54, 121-129. <https://doi.org/10.4086/1.72-7.00-394-18>

Briançon-Marjollet, A., Weiszenstein, M., Henri, M., Thomas, A., Godin-Ribuot, D., & Polak, J. (2010). The impact of sleep disorders on glucose metabolism: Endocrine and molecular mechanisms. *Diabetology & Metabolic Syndrome*, 12, 10. <https://doi.org/10.1186/s12948-010-018-2>

Buxton, O. M., & Marcelli, E. (2010). Short and long sleep are positively associated with obesity, diabetes, hypertension, and cardiovascular disease among adults in the United States. *Social Science & Medicine*, 71, 127-136. <https://doi.org/10.1016/j.socscimed.2010.05.041>

Campbell, J. P., & Turner, J. E. (2018). Debunking the myth of exercise-induced immune suppression: Redefining the impact of exercise on immunological health across the lifespan. *Frontiers in Immunology*, 9. <https://doi.org/10.3389/fimmu.2018.0748>

Chase, J. D., Roberson, P. A., Saunders, M. J., Hargens, T. A., Womack, C. J., & Luden, N. D. (2017). One night of sleep restriction following heavy exercise impairs 7-km cycling time-trial performance in the morning. *Applied Physiology Nutrition and Metabolism*. <https://doi.org/10.1139/apnm-2017-0698>

Chatzinikolaou, A., Christoforidis, C., Avloniti, A., Draganidis, D., Jamurtas, A. Z., Stampoulis, T., Ermidis, G., Sovatzidis, A., Papassotiropoulos, I., Kambas, A., & Fatouros, I. G. (2018). A microcycle of inflammation following a team handball game. *The Journal of Strength & Conditioning Research*, 28, 1981-1994. <https://doi.org/10.1019/JSC.2018.033>

Chiu, H.-Y., Chen, P.-Y., Chen, N.-H., Chuang, L.-P., & Tsai, P.-S. (2013). Trajectories of sleep changes during the acute phase of traumatic brain injury: A 7-day actigraphy study. *Journal of the Formosan Medical Association*, 112, 520-523. <https://doi.org/10.1016/j.jfma.2013.06.007>

Chiu, H.-Y., Lo, W.-C., Chiang, Y.-H., & Tsai, P.-S. (2018). The effects of sleep on the relationship between brain injury severity and recovery of cognitive function: A prospective study. *International Journal of Nursing Studies*, 81, 89-99. <https://doi.org/10.1016/j.ijnurstu.2018.05.020>

Cirelli, C. (2012). Brain plasticity, sleep and aging. *GER*, 58, 44-48. <https://doi.org/10.1093/geron/58.3.44>

Dáttilo, M., Antunes, H. K. M., Galbes, N. M. N., Mônico-Neto, M., De Sá Souza, H., Dos Santos Quaresma, M. V. L., Lee, K. S., Ugrinowitsch, C., Tufik, S., & De Mello, M. T. (2020). Effects of sleep deprivation on acute skeletal muscle recovery after exercise. *Medicine & Science in Sports & Exercise*, 52, 107-114.

Dattilo, M., Antunes, H. K. M., Medeiros, A., Mônico Neto, M., Souza, H. S., Tufik, S., & de Mello, M. T. (2011). Sleep and muscle recovery: Endocrinological and molecular basis for a new and promising hypothesis. *Medical Hypotheses*, 77, 22-27. <https://doi.org/10.1016/j.mehy.2011.04.017>

Depner, C. M., Melanson, E. L., Eckel, R. H., Snell-Bergeon, J. K., Perreault, L., Bergman, B. C., Higgins, J. A., Guerin, M. K., Stothard, E. R., Morton, S. J., & Wright, K. P. (2019). Ad libitum weekend recovery sleep fails to prevent metabolic dysregulation during a repeating pattern of insufficient sleep and weekend recovery sleep. *Current Biology*, 29, 907e917.e4.  
<https://doi.org/10.1016/j.cub.2019.01.069>

Dillon, H. R., Lichstein, K. L., Dautovich, N. D., Taylor, D. J., Riedel, B. W., & Bush, A. J. (2014). Variability in self-reported normal sleep across the adult age span. *The Journals of Gerontology Series B: Psychological Sciences and Social Sciences*, 70, 47e56.

DiSanti, J. S., & Erickson, K. (2019). Youth sport specialization: A multidisciplinary scoping systematic review. *Journal of Sports Sciences*, 37, 2094e2100.  
<https://doi.org/10.1080/02643196.2019.1621476>

Doeven, S. H., Brink, M. S., Kosse, S. J., & Lemmink, K. A. P. M. (2018). Postmatch recovery of physical performance and biochemical markers in team ball sports: A systematic review. *BMJ Open Sport & Exercise Medicine*, 4, Article e000264. <https://doi.org/10.1136/bmjsem-2018-000264>

Duffield, R., Murphy, A., Snape, A., Minett, G. M., & Skein, M. (2012). Post-match changes in neuromuscular function and the relationship to match demands in amateur rugby league matches. *Journal of Science and Medicine in Sport*, 15, 238e243. <https://doi.org/10.1016/j.jsams.2011.10.007>

Eccles, D. W., Balk, Y., Gretton, T. W., & Harris, N. (2020). "The forgotten session": Advancing research and practice concerning the psychology of rest in athletes. *Journal of Applied Sport Psychology*, 1e22. <https://doi.org/10.1080/10413200.2020.1706026>

Emhoff, C.-A. W., Messonnier, L. A., Horning, M. A., Fattor, J. A., Carlson, T. J., & Brooks, G. A. (2013). Direct and indirect lactate oxidation in trained and untrained men. *Journal of Applied Physiology*, 115, 829e838. <https://doi.org/10.1152/jappphysiol.0038.2013>

Emhoff, C.-A. W., Messonnier, L. A., Horning, M. A., Fattor, J. A., Carlson, T. J., & Brooks, G. A. (2012). Gluconeogenesis and hepatic glycogenolysis during exercise at the lactate threshold. *Journal of Applied Physiology*, 114, 297e306. <https://doi.org/10.1152/jappphysiol.112.2.2012>

Farrell-Carnahan, L., Barnett, S., Lamberty, G., Hammond, F. M., Kretzmer, T. S., Franke, L. M., Geiss, M., Howe, L., & Nakase-Richardson, R. (2015). Insomnia symptoms and behavioural health symptoms in veterans 1 year after traumatic brain injury. *Brain Injury*, 29, 1400e1408.  
<https://doi.org/10.3109/1744799.2015.1063161>

Faul, M., Xu, L., Wald, M. M., & Coronado, V. G. (2010). Traumatic brain injury in the United States: Emergency department visits, hospitalizations and deaths 2002-2006. Atlanta (GA): Centers for Disease Control and Prevention, National Center for Injury Prevention and Control.

Fichtenberg, N. L., Zafonte, R. D., Putnam, S., Mann, N. R., & Millard, A. E. (2002). Insomnia in a post-acute brain injury sample. *Brain Injury*, 16, 197e206.  
<https://doi.org/10.1080/1744799.2001.1043940>

Fortier-Brochu, É., Beaulieu-Bonneau, S., Ivers, H., & Morin, C. M. (2012). Insomnia and daytime cognitive performance: A meta-analysis. *Sleep Medicine Reviews*, 16, 83e94.  
<https://doi.org/10.1016/j.smrv.2011.03.008>

Fullagar, H., Skorski, S., Duffield, R., & Meyer, T. (2016). The effect of an acute sleep hygiene strategy following a late-night soccer match on recovery of players. *Chronobiology International*, 33, 490e500.

Fullagar, H. H. K., Duffield, R., Skorski, S., Coutts, A. J., Julian, R., & Meyer, T. (2010). Sleep and recovery in team sport: Current sleep-related issues facing professional team-sport athletes. *International Journal of Sports Physiology and Performance*, 10, 90-99.

Fullagar, H. H. K., Duffield, R., Skorski, S., White, D., Bloomfield, J., Kölling, S., & Meyer, T. (2016). Sleep, travel, and recovery responses of national footballers during and after long-haul international air travel. *International Journal of Sports Physiology and Performance*, 11, 1690.

Fullagar, H. H. K., Skorski, S., Duffield, R., Hammes, D., Coutts, A. J., & Meyer, T. (2010). Sleep and athletic performance: The effects of sleep loss on exercise performance, and physiological and cognitive responses to exercise. *Sports Medicine*, 40, 111-126. <https://doi.org/10.1007/s12299-014-0260-0>

Fullagar, H. H. K., Skorski, S., Duffield, R., Julian, R., Bartlett, J., & Meyer, T. (2016). Impaired sleep and recovery after night matches in elite football players. *Journal of Sports Sciences*, 34, 1333-1339. <https://doi.org/10.1080/02643758.2016.1130249>

Fultz, N. E., Bonmassar, G., Setsompop, K., Stickgold, R. A., Rosen, B. R., Polimeni, J. R., & Lewis, L. D. (2019). Coupled electrophysiological, hemodynamic, and cerebrospinal fluid oscillations in human sleep. *Science*, 366, 628-631.

Furtado, F., Gonçalves, B. da S. B., Abranches, I. L. L., Abrantes, A. F., & Forner-Cordero, A. (2016). Chronic low quality sleep impairs postural control in healthy adults. *PLoS One*, 11, Article e0163310. <https://doi.org/10.1371/journal.pone.0163310>

Giusti, N. E., Carder, S. L., Vopat, L., Baker, J., Tarakemeh, A., Vopat, B., & Mulcahey, M. K. (2020). Comparing burnout in sport-specializing versus sport-sampling adolescent athletes: A systematic review and meta-analysis. *Orthopaedic Journal of Sports Medicine*, 8, Article 2320967120907079. <https://doi.org/10.1177/2320967120907079>

Goel, N. (2017). Neurobehavioral effects and biomarkers of sleep loss in healthy adults. *Current Neurology and Neuroscience Reports*, 17, 19. <https://doi.org/10.1007/s11910-017-0799-x>

Gosselin, N., Lassonde, M., Petit, D., Leclerc, S., Mongrain, V., Collie, A., & Montplaisir, J. (2009). Sleep following sport-related concussions. *Sleep Medicine*, 10, 20-26. <https://doi.org/10.1016/j.sleep.2007.11.023>

Goto, K., Mamiya, A., Ito, H., Maruyama, T., Hayashi, N., & Badenhorst, C. E. (2020). Partial sleep deprivation after an acute exercise session does not augment hepcidin levels the following day. *Physiological Reports*, 8, Article e14400. <https://doi.org/10.14814/phyz.14400>

Grima, N. A., Ponsford, J. L., & Pase, M. P. (2017). Sleep complications following traumatic brain injury. *Current Opinion in Pulmonary Medicine*, 23, 493. <https://doi.org/10.1097/MCP.0000000000000429>

Gupta, L., Morgan, K., & Gilchrist, S. (2017). Does elite sport degrade sleep quality? A systematic review. *Sports Medicine*, 47, 1319-1333.

Gustafsson, H., DeFreese, J., & Madigan, D. J. (2017). Athlete burnout: Review and recommendations. *Current Opinion in Psychology, Sport psychology*, 16, 109-113. <https://doi.org/10.1016/j.copsyc.2017.05.002>

Hacker, S., Banzer, W., Vogt, L., & Engeroff, T. (2020). Acute effects of aerobic exercise on cognitive attention and memory performance: An investigation on duration-based dose-response relations and the impact of increased arousal levels. *Journal of Clinical Medicine*, 9, 1380. <https://doi.org/10.3390/jcm9051380>

He, F., Bixler, E. O., Berg, A., Kawasawa, Y. I., Vgontzas, A. N., Fernandez-Mendoza, J., Yanosky, J., & Liao, D. (2010). Habitual sleep variability, not sleep duration, is associated with caloric intake in adolescents. *Sleep Medicine*, 16, 807e811. <https://doi.org/10.1016/j.sleep.2010.03.004>

He, F., Bixler, E. O., Liao, J., Berg, A., Kawasawa, Y. I., Fernandez-Mendoza, J., Vgontzas, A. N., & Liao, D. (2010). Habitual sleep variability, mediated by nutrition intake, is associated with abdominal obesity in adolescents. *Sleep Medicine*, 16, 1489e1494. <https://doi.org/10.1016/j.sleep.2010.07.028>

Harris, M. A., Hammond, K. M., Fell, J. M., & Morton, J. P. (2018). Regulation of muscle glycogen metabolism during exercise: Implications for endurance performance and training adaptations. *Nutrients*, 10, 298. <https://doi.org/10.3390/nu10030298>

Heaton, K. J., Maule, A. L., Maruta, J., Kryskow, E. M., & Ghajar, J. (2014). Attention and visual tracking degradation during acute sleep deprivation in a military sample. *Aviation Space & Environmental Medicine*, 85, 497e503. <https://doi.org/10.3307/ASEM.2882.2014>

Hermansen, L., & Vaage, O. (1977). Lactate disappearance and glycogen synthesis in human muscle after maximal exercise. *American Journal of Physiology-Endocrinology and Metabolism*, 233, E422. <https://doi.org/10.1152/ajpendo.1977.233.0.E422>

Hoevenaer-Blom, M. P., Spijkerman, A. M., Kromhout, D., & Verschuren, W. M. (2014). Sufficient sleep duration contributes to lower cardiovascular disease risk in addition to four traditional lifestyle factors: The MORGEN study. *European Journal of Preventive Cardiology*, 21, 1377e1379. <https://doi.org/10.1177/204748731350930>

Hoffman, N. L., O'Connor, P. J., Schmidt, M. D., Lynall, R. C., & Schmidt, J. D. (2019). Differences in sleep between concussed and nonconcussed college students: A matched case-control study. *Sleep*, 42.

Hoffman, N. L., Weber, M. L., Broglio, S. P., McCrea, M., McAllister, T. W., & Schmidt, J. D. (2017). Influence of postconcussion sleep duration on concussion recovery in collegiate athletes. *Clinical Journal of Sport Medicine*, 1. <https://doi.org/10.1097/JSM.000000000000038>

Ide, K., Schmalbruch, I. K., Quistorff, B., Horn, A., & Secher, N. H. (2000). Lactate, glucose and O<sub>2</sub> uptake in human brain during recovery from maximal exercise. *The Journal of Physiology*, 522, 109e114. <https://doi.org/10.1111/j.1469-7793.2000.t01-2-0109.xm>

Iyer, K. K., Zalesky, A., Cocchi, L., & Barlow, K. M. (2020). Neural correlates of sleep recovery following melatonin treatment for pediatric concussion: A randomized controlled trial. *Journal of Neurotrauma*.

Jaffee, M. S., Winter, W. C., Jones, C. C., & Ling, G. (2010). Sleep disturbances in athletic concussion. *Brain Injury*, 24, 221e227. <https://doi.org/10.3109/174473610.2010.483978>

Jayanthi, N. A., Post, E. G., Laury, T. C., & Fabricant, P. D. (2019). Health consequences of youth sport specialization. *Journal of Athletic Training*, 54, 104e1049. <https://doi.org/10.4086/1.62-6.0-38-18>

Jones, C. M., Griffiths, P. C., & Mellalieu, S. D. (2017). Training load and fatigue marker associations with injury and illness: A systematic review of longitudinal studies. *Sports Medicine*, 47, 943e954. <https://doi.org/10.1007/s12299-016-0719-0>

Jówko, E., Rózański, P., & Tomczak, A. (2018). Effects of a 36-h survival training with sleep deprivation on oxidative stress and muscle damage biomarkers in young healthy men.

International Journal of Environmental Research and Public Health, 10(10), 2077.  
<https://doi.org/10.3390/ijerph10102077>

Joyner, M. J., & Coyle, E. F. (2008). Endurance exercise performance: The physiology of champions. *The Journal of Physiology*, 586, 30e33. <https://doi.org/10.1113/jphysiol.2007.143833>

Kaufman, Y., Tzischinsky, O., Epstein, R., Etzioni, A., Lavie, P., & Pillar, G. (2011). Long-term sleep disturbances in adolescents after minor head injury. *Pediatric Neurology*, 25, 129e133. [https://doi.org/10.1016/S.887-8994\(11\)0204-X](https://doi.org/10.1016/S.887-8994(11)0204-X)

Kellmann, M., Bertollo, M., Bosquet, L., Brink, M., Coutts, A. J., Duffield, R., Erlacher, D., Halson, S. L., Hecksteden, A., Heidari, J., Kallus, K. W., Meeusen, R., Mujika, I., Robazza, C., Skorski, S., Venter, R., & Beckmann, J. (2018). Recovery and performance in sport: Consensus statement. *International Journal of Sports Physiology and Performance*, 13, 20e230. <https://doi.org/10.1123/ijsp.2017-0709>

Kellmann, M. (2012). Enhancing recovery: Preventing underperformance in athletes. *Human Kinetics*. Kellmann, M. (2010). Preventing overtraining in athletes in high-intensity sports and stress/recovery monitoring. *Scandinavian Journal of Medicine & Science in Sports*, 20, 90e102. <https://doi.org/10.1111/j.1600-0838.2010.0192.x>

Kelly, G. A., Blake, C., Power, C. K., O'Keeffe, D., & Fullen, B. M. (2011). The association between chronic low back pain and sleep: A systematic review. *The Clinical Journal of Pain*, 27, 169. <https://doi.org/10.1097/AJP.0b013e3181f3bdd0>

Kerr, Z. Y., Register-Mihalik, J. K., Marshall, S. W., Evenson, K. R., Mihalik, J. P., & Guskiewicz, K. M. (2013). Disclosure and non-disclosure of concussion and concussion symptoms in athletes: Review and application of the socio-ecological framework. *Brain Injury*, 28, 109e121. <https://doi.org/10.3109/17445019.2013.80449>

Killgore, W. D. S. (2010). Effects of sleep deprivation on cognition. In G. A. Kerkhof, & H. P. A. van Dongen (Eds.), *Progress in brain research* (pp. 10e129). Elsevier. <https://doi.org/10.1016/B978-0-444-50370-2.00007-0>

Killgore, W. D. S., Vanuk, J. R., Shane, B. R., Weber, M., & Bajaj, S. (2010). A randomized, double-blind, placebo-controlled trial of blue wavelength light exposure on sleep and recovery of brain structure, function, and cognition following mild traumatic brain injury. *Neurobiology of Disease*, 33, Article 103779.

Knutson, K. L., & Cauter, E. V. (2008). Associations between sleep loss and increased risk of obesity and diabetes. *Annals of the New York Academy of Sciences*, 1129, 287e303. <https://doi.org/10.1196/annals.1417.033>

Knutson, K. L. (2010). Sleep duration and cardiometabolic risk: A review of the epidemiologic evidence. *Best Practice & Research Clinical Endocrinology & Metabolism*, 24, 731e743. <https://doi.org/10.1016/j.beem.2010.07.001>

Knutson, K. L., Spiegel, K., Penev, P., & Van Cauter, E. (2007). The metabolic consequences of sleep deprivation. *Sleep Medicine Reviews*, 11, 163e178. <https://doi.org/10.1016/j.smrv.2007.01.002>

Kölling, S., Steinacker, J. M., Endler, S., Ferrauti, A., Meyer, T., & Kellmann, M. (2016). The longer the better: Sleepwake patterns during preparation of the World Rowing Junior Championships. *Chronobiology International*, 33, 73e83.

Kostyun, R. O., Milewski, M. D., & Hafeez, I. (2010). Sleep disturbance and neurocognitive function during the recovery from a sport-related concussion in adolescents. *The American Journal of Sports Medicine*, 38, 633-640.

Kroshus, E., Wagner, J., Wyrick, D., Athey, A., Bell, L., Benjamin, H. J., Grandner, M. A., Kline, C. E., Mohler, J. M., Prichard, J. R., Watson, N. F., & Hainline, B. (2019). Wake up call for collegiate athlete sleep: Narrative review and consensus recommendations from the NCAA interassociation task force on sleep and wellness. *British Journal of Sports Medicine*, 53, 1197-1206.

Lamon, S., Morabito, A., Arentson-Lantz, E., Knowles, O., Vincent, G. E., Condo, D., Alexander, S. E., Garnham, A., Paddon-Jones, D., & Aisbett, B. (2021). The effect of acute sleep deprivation on skeletal muscle protein synthesis and the hormonal environment. *Physiological Reports*, 9, Article e14666. <https://doi.org/10.1242/phyr.14666>

Lamond, N., Jay, S. M., Dorrian, J., Ferguson, S. A., Jones, C., & Dawson, D. (2007). The dynamics of neurobehavioural recovery following sleep loss. *Journal of Sleep Research*, 16, 33-41. <https://doi.org/10.1111/j.1376-2875.2007.00545.x>

Langlois, J. A., Rutland-Brown, W., & Wald, M. M. (2006). The epidemiology and impact of traumatic brain injury: A brief overview. *The Journal of Head Trauma Rehabilitation*, 21, 375-383. <https://doi.org/10.1097/00001199-200609000-00001>

Lemola, S., Ledermann, T., & Friedman, E. M. (2013). Variability of sleep duration is related to subjective sleep quality and subjective well-being: An actigraphy study. *PLoS One*, 8, Article e71292. <https://doi.org/10.1371/journal.pone.0071292>

Lim, J., & Dinges, D. F. (2010). A meta-analysis of the impact of short-term sleep deprivation on cognitive variables. *Psychological Bulletin*, 136, 375-389.

Lo, J. C., Lee, S. M., Teo, L. M., Lim, J., Gooley, J. J., & Chee, M. W. L. (2017). Neurobehavioral impact of successive cycles of sleep restriction with and without naps in adolescents. *Sleep*, 40. Lovato, N., & Gradisar, M. (2014). A meta-analysis and model of the relationship between sleep and depression in adolescents: Recommendations for future research and clinical practice. *Sleep Medicine Reviews*, 18, 21-29. <https://doi.org/10.1016/j.smrv.2014.03.006>

Lowe, C. J., Safati, A., & Hall, P. A. (2017). The neurocognitive consequences of sleep restriction: A meta-analytic review. *Neuroscience & Biobehavioral Reviews*, 80, 57-64.

Ludwig, R., D'Silva, L., Vaduvathiryan, P., Rippee, M. A., & Siengsukon, C. (2020). Sleep disturbances in the acute stage of concussion are associated with poorer long-term recovery: A systematic review. *PM&R*, 12, 10-11.

Luyster, F. S., & Dunbar-Jacob, J. (2011). Sleep quality and quality of life in adults with type 2 diabetes. *The Diabetes Educator*, 35, 347-355. <https://doi.org/10.1177/0145221111400666>

Ma, J., Yao, Y.-J., Ma, R.-M., Li, J.-Q., Wang, T., Li, X.-J., Han, W.-Q., Hu, W.-D., & Zhang, Z.-M. (2019). Effects of sleep deprivation on human postural control, subjective fatigue assessment and psychomotor performance. *Journal of International Medical Research*, 37, 1311-1320. <https://doi.org/10.1177/1473230019837006>

Mann, D. T. Y., Williams, A. M., Ward, P., & Janelle, C. M. (2007). Perceptual-cognitive expertise in sport: A meta-analysis. *Journal of Sport & Exercise Psychology*, 29, 45-54. <https://doi.org/10.1123/jsep.29.4.45>

Markwald, R. R., Melanson, E. L., Smith, M. R., Higgins, J., Perreault, L., Eckel, R. H., & Wright, K. P. (2013). Impact of insufficient sleep on total daily energy expenditure, food intake, and weight gain. *PNAS*. <https://doi.org/10.1073/pnas.1216901110>.

Mathias, J. L., & Alvaro, P. K. (2012). Prevalence of sleep disturbances, disorders, and problems following traumatic brain injury: A meta-analysis. *Sleep Medicine*, 13, 898-900. <https://doi.org/10.1016/j.sleep.2012.04.006>

Matos, M. G., Gaspar, T., Tomé, G., & Paiva, T. (2010). Sleep variability and fatigue in adolescents: Associations with school-related features. *International Journal of Psychology*. <https://doi.org/10.1080/00220267.2010.511677>

Mejri, M. A., Hammouda, O., Yousfi, N., Zouaoui, K., Rayana, M. C. B., Chaouachi, A., Driss, T., & Souissi, N. (2010). One night of partial sleep deprivation affects biomarkers of cardiac damage, but not cardiovascular and lipid profiles, in young athletes. *Biological Rhythm Research*, 46, 110e124.

Menefee, L. A., Frank, E. D., Doghramji, K., Picarello, K., Park, J. J., Jalali, S., & Perez-Schwartz, L. (2000). Self-reported sleep quality and quality of life for individuals with chronic pain conditions. *The Clinical Journal of Pain*, 16, 290. <https://doi.org/10.1097/00002500-200012000-00003>

Messonier, L. A., Emhoff, C.-A. W., Fattor, J. A., Horning, M. A., Carlson, T. J., & Brooks, G. A. (2013). Lactate kinetics at the lactate threshold in trained and untrained men. *Journal of Applied Physiology*, 114, 1093e1096. <https://doi.org/10.1152/jappphysiol.00043.2013>

Mollayeva, T., Colantonio, A., Cassidy, J. D., Vernich, L., Moineddin, R., & Shapiro, C. M. (2017). Sleep stage distribution in persons with mild traumatic brain injury: A polysomnographic study according to American academy of sleep medicine standards. *Sleep Medicine*, 34, 179e192. <https://doi.org/10.1016/j.sleep.2017.02.021>

Mollayeva, T., Mollayeva, S., Shapiro, C. M., Cassidy, J. D., & Colantonio, A. (2016). Insomnia in workers with delayed recovery from mild traumatic brain injury. *Sleep Medicine*, 19, 103e111. <https://doi.org/10.1016/j.sleep.2015.05.014>

Mollayeva, T., Pratt, B., Mollayeva, S., Shapiro, C. M., Cassidy, J. D., & Colantonio, A. (2016). The relationship between insomnia and disability in workers with mild traumatic brain injury/concussion: Insomnia and disability in chronic mild traumatic brain injury. *Sleep Medicine*, 20, 107e116. <https://doi.org/10.1016/j.sleep.2015.09.008>

Monk, T. H., Reynolds III, C. F., Buysse, D. J., DeGrazia, J. M., & Kupfer, D. J. (2003). The relationship between lifestyle regularity and subjective sleep quality. *Chronobiology International*, 20, 97e107. <https://doi.org/10.1081/CBI-120017812>

Monteiro, B. C., Monteiro, S., Candida, M., Adler, N., Paes, F., Rocha, N., Nardi, A. E., Murillo-Rodriguez, E., & Machado, S. (2017). Relationship between brain-derived neurotrophic factor (Bdnf) and sleep on depression: A critical review. *Clinical Practice and Epidemiology in Mental Health*, 13, 213e219. <https://doi.org/10.2194/17450.1790.1713.1.213>

Murdaugh, D. L., Ono, K. E., Reisner, A., & Burns, T. G. (2018). Assessment of sleep quantity and sleep disturbances during recovery from sports-related concussion in youth athletes. *Archives of Physical Medicine and Rehabilitation*, 99, 960e966. <https://doi.org/10.1016/j.apmr.2018.01.000>

Nedelec, M., McCall, A., Carling, C., Legall, F., Berthoin, S., & Dupont, G. (2014). The influence of soccer playing actions on the recovery kinetics after a soccer match. *The Journal of Strength & Conditioning Research*, 28, 1011e1023. <https://doi.org/10.1019/JSC.0000000000000293>

O'Donnell, S., Beaven, C., & Driller, M. (2018). From pillow to podium: A review on understanding sleep for elite athletes. *Nature and Science of Sleep*, 10, 23e23. <https://doi.org/10.2147/NSS.S108098>

Ouellet, M.-C., Beaulieu-Bonneau, S., & Morin, C. M. (2016). Insomnia in patients with traumatic brain injury: Frequency, characteristics, and risk factors. *The Journal of Head Trauma Rehabilitation*, 21, 199e212. <https://doi.org/10.1097/00001199-201606000000011>

Pageaux, B., & Lepers, R. (2018). Chapter 16 - the effects of mental fatigue on sport-related performance. In S. Marcora, & M. Sarkar (Eds.), *Progress in brain research, sport and the brain: The science of preparing, enduring and winning, Part C* (pp. 291e310). Elsevier. <https://doi.org/10.1016/j.pbr.2018.08.003>

Palagini, L., Caruso, D., Mainardi, C., Cipollone, G., Paolilli, L., & Perugi, G. (2017). Lack of resilience is related to hyperarousal, emotion dysregulation and increased impulsivity in insomnia disorder. *Sleep Medicine*, 18, e13. <https://doi.org/10.1016/j.sleep.2017.11.13>

Palmer, C. A., & Alfano, C. A. (2017). Sleep and emotion regulation: An organizing, integrative review. *Sleep Medicine Reviews*, 31, 1e16. Patel, S. R., Hayes, A. L., Blackwell, T., Evans, D. S., Ancoli-Israel, S., Wing, Y. K., & Stone, K. L. (2014). The association between sleep patterns and obesity in older adults. *International Journal of Obesity*, 38, 1109e1114. <https://doi.org/10.1038/ijo.2014.13>

Patrick, Y., Lee, A., Raha, O., Pillai, K., Gupta, S., Sethi, S., Mukeshimana, F., Gerard, L., Moghal, M. U., Saleh, S. N., Smith, S. F., Morrell, M. J., & Moss, J. (2017). Effects of sleep deprivation on cognitive and physical performance in university students. *Sleep and Biological Rhythms*, 10, 211e220. <https://doi.org/10.1007/s4110-0-017-0099-0>

Sleep and recovery Chapter | 10 179 Pejovic, S., Basta, M., Vgontzas, A. N., Kritikou, I., Shaffer, M. L., Tsaoussoglou, M., Stiffler, D., Stefanakis, Z., Bixler, E. O., & Chrousos, G. P. (2013). Effects of recovery sleep after one work week of mild sleep restriction on interleukin-6 and cortisol secretion and daytime sleepiness and performance. *American Journal of Physiology-Endocrinology and Metabolism*, 305, E890eE896.

Philip, P., Sagaspe, P., Prague, M., Tassi, P., Capelli, A., Bioulac, B., Commenges, D., & Taillard, J. (2012). Acute versus chronic partial sleep deprivation in middle-aged people: Differential effect on performance and sleepiness. *Sleep*, 35, 997e1002. <https://doi.org/10.5665/sleep.1968>

Rae, D. E., Chin, T., Dikgomo, K., Hill, L., McKune, A. J., Kohn, T. A., & Roden, L. C. (2017). One night of partial sleep deprivation impairs recovery from a single exercise training session. *European Journal of Applied Physiology*, 117, 699e712.

Raikes, A. C., Athey, A., Alfonso-Miller, P., Killgore, W. D. S., & Grandner, M. A. (2019). Insomnia and daytime sleepiness: Risk factors for sportsrelated concussion. *Sleep Medicine*. <https://doi.org/10.1016/j.sleep.2019.03.008>

Raikes, A. C., Bajaj, S., Dailey, N. S., Smith, R., Alkozei, A., Satterfield, B. C., & Killgore, W. D. S. (2018). Diffusion tensor imaging (DTI) correlates of self-reported sleep quality and depression following mild traumatic brain injury. *Frontiers in Neurology*, 9. <https://doi.org/10.3389/fneur.2018.00468>

Raikes, A. C., Dailey, N. S., Forbeck, B., Alkozei, A., & Killgore, W. D. S. (2021). Daily morning blue light therapy for post-mTBI sleep disruption: Effects on brain structure and function. *Frontiers in Neurology*, 12. <https://doi.org/10.3389/fneur.2021.720431>

Raikes, A. C., Dailey, N. S., Shane, B. R., Forbeck, B., Alkozei, A., & Killgore, W. D. S. (2020). Daily morning blue light therapy improves daytime sleepiness, sleep quality, and quality of life following a mild traumatic brain injury. *The Journal of Head Trauma Rehabilitation*, 35, E30-E37.

Raikes, A. C., Satterfield, B. C., & Killgore, W. D. S. (2019). Evidence of actigraphic and subjective sleep disruption following mild traumatic brain injury. *Sleep Medicine*, 52, 726-73.

Raikes, A. C., & Schaefer, S. Y. (2016). Sleep quantity and quality during acute concussion: A pilot study. *Sleep*, 39, 2141-2147. <https://doi.org/10.5665>

Renn, R. P., & Cote, K. A. (2013). Performance monitoring following total sleep deprivation: Effects of task type and error rate. *International Journal of Psychophysiology*, 88, 64-73. <https://doi.org/10.1016/j.ijpsycho.2013.01.013>

Roane, B. M., Seifer, R., Sharkey, K. M., Van Reen, E., Bond, T. L. Y., Raffray, T., & Carskadon, M. A. (2010). What role does sleep play in weight gain in the first semester of university? *Behavioral Sleep Medicine*, 13, 491-500. <https://doi.org/10.1080/15402002.2011.594109>

Romagnoli, M., Sanchis-Gomar, F., Alis, R., Riso-Ballester, J., Bosio, A., Graziani, R. L., & Rampinini, E. (2016). Changes in muscle damage, inflammation, and fatigue-related parameters in young elite soccer players after a match. *The Journal of Sports Medicine and Physical Fitness*, 56, 1198-1205.

Romdhani, M., Hammouda, O., Smari, K., Chaabouni, Y., Mahdouani, K., Driss, T., & Souissi, N. (2021). Total sleep deprivation and recovery sleep affect the diurnal variation of agility performance: The gender differences. *The Journal of Strength & Conditioning Research*, 35, 1321-1330.

Russell, S., Jenkins, D., Rynne, S., Halson, S. L., & Kelly, V. (2019). What is mental fatigue in elite sport? Perceptions from athletes and staff. *European Journal of Sport Science*, 19, 1376-1387.

Sawczuk, T., Jones, B., Scantlebury, S., & Till, K. (2018a). Relationships between training load, sleep duration, and daily well-being and recovery measures in youth athletes. *Pediatric Exercise Science*, 30, 303-312. <https://doi.org/10.1123/pes.2017-0190>

Sawczuk, T., Jones, B., Scantlebury, S., & Till, K. (2018b). The influence of training load, exposure to match play and sleep duration on daily wellbeing measures in youth athletes. *Null*, 36, 2431-2437.

Schreiner, S. J., Imbach, L. L., Werth, E., Poryazova, R., Baumann-Vogel, H., Valko, P. O., Murer, T., Noain, D., & Baumann, C. R. (2019). Slow-wave sleep and motor progression in Parkinson disease. *Annals of Neurology*, 85, 760-770. <https://doi.org/10.1002/ana.20409>

Sezgin, M., Hasanefendioğlu, E. Z., Sungur, M. A., Incel, N. A., Çimen, Ö. B., Kanõk, A., & Şahin, G. (2010). Sleep quality in patients with chronic low back pain: A cross-sectional study assessing its relations with pain, functional status and quality of life. *Journal of Back and Musculoskeletal Rehabilitation*, 23, 433-441. <https://doi.org/10.3233/BMR-14037>

Shankar, A., Syamala, S., & Kalidindi, S. (2010). Insufficient rest or sleep and its relation to cardiovascular disease, diabetes and obesity in a national, multiethnic sample. *PLoS One*, 5, Article e12189. <https://doi.org/10.1371/journal.pone.012189>

Short, M. A., & Weber, N. (2018). Sleep duration and risk-taking in adolescents: A systematic review and meta-analysis. *Sleep Medicine Reviews*, 41, 180-196. <https://doi.org/10.1016/j.smrv.2018.03.006>

Silva, J. R., Ascensão, A., Marques, F., Seabra, A., Rebelo, A., & Magalhães, J. (2013). Neuromuscular function, hormonal and redox status and muscle damage of professional soccer players after a high-level competitive match. *European Journal of Applied Physiology*, 113, 2193-2201. <https://doi.org/10.1007/s00421-012-2500-2>

Sivertsen, B., Harvey, A. G., Lundervold, A. J., & Hysing, M. (2014). Sleep problems and depression in adolescence: Results from a large populationbased study of Norwegian adolescents aged 16-18 years. *European Child & Adolescent Psychiatry*, 23, 781-789. <https://doi.org/10.1007/s00787-013-0502-2>

Skein, M., Duffield, R., Edge, J., Short, M. J., & Mündel, T. (2011). Intermittent-sprint performance and muscle glycogen after 3 h of sleep deprivation. *Medicine & Science in Sports & Exercise*, 43, 1201-1211. <https://doi.org/10.1249/mss.0b013e31821abc0a>

Skein, M., Duffield, R., Minett, G. M., Snape, A., & Murphy, A. (2013). The effect of overnight sleep deprivation after competitive rugby league matches on postmatch physiological and perceptual recovery. *International Journal of Sports Physiology and Performance*, 8, 007-014. <https://doi.org/10.1123/ijsp>

Smith, C. D., Cooper, A. D., Merullo, D. J., Cohen, B. S., Heaton, K. J., Claro, P. J., & Smith, T. (2017). Sleep restriction and cognitive load affect performance on a simulated marksmanship task. *Journal of Sleep Research*. <https://doi.org/10.1111/jsr.12634>

Smith, M. T., & Haythornthwaite, J. A. (2008). How do sleep disturbance and chronic pain inter-relate? Insights from the longitudinal and cognitivebehavioral clinical trials literature. *Sleep Medicine Reviews*, 8, 119-132. [https://doi.org/10.1016/S1087-0792\(03\)00444-3](https://doi.org/10.1016/S1087-0792(03)00444-3)

Sofi, F., Cesari, F., Casini, A., Macchi, C., Abbate, R., & Gensini, G. F. (2011). Insomnia and risk of cardiovascular disease: A meta-analysis. *European Journal of Preventive Cardiology*, 21, 076-84. <https://doi.org/10.1177/204748731036002>

St-Onge, M.-P., Grandner, M. A., Brown, D., Conroy, M. B., Jean-Louis, G., Coons, M., & Bhatt, D. L. (2016). Sleep duration and quality: Impact on lifestyle behaviors and cardiometabolic health: A scientific statement from the American heart association. *Circulation*, 134, e377-386.

St Hilaire, M. A., Rüger, M., Fratelli, F., Hull, J. T., Phillips, A. J. K., & Lockley, S. W. (2017). Modeling neurocognitive decline and recovery during repeated cycles of extended sleep and chronic sleep deficiency. *Sleep*, 40.

Sufrinko, A. M., Howie, E. K., Elbin, R. J., Collins, M. W., & Kontos, A. P. (2018). A preliminary investigation of accelerometer-derived sleep and physical activity following sport-related concussion. *The Journal of Head Trauma Rehabilitation Publish Ahead of Print*. <https://doi.org/10.1097/HTR.000000000000038>

Sullivan, K. A., Berndt, S. L., Edmed, S. L., Smith, S. S., & Allan, A. C. (2016). Poor sleep predicts subacute postconcussion symptoms following mild traumatic brain injury. *Applied Neuropsychology: Adults*, 23, 276-280. <https://doi.org/10.1080/23279909.2016.1172229>

Sullivan, K. A., Edmed, S. L., Allan, A. C., Karlsson, L. J. E., & Smith, S. S. (2010). Characterizing self-reported sleep disturbance after mild traumatic brain injury. *Journal of Neurotrauma*, 27, 474-486. <https://doi.org/10.1089/neu.2013.2284>

Thalassinos, M., Fotiadis, G., Arabatzi, F., Isableu, B., & Hatzitaki, V. (2018). Sport skill-specific expertise biases sensory integration for spatial referencing and postural control. *Journal of Motor Behavior*, 50, 426-430. <https://doi.org/10.1080/00222895.2017.1373704>

Tham, S. W., Fales, J., & Palermo, T. M. (2010). Subjective and objective assessment of sleep in adolescents with mild traumatic brain injury. *Journal of Neurotrauma*, 27, 487-492. <https://doi.org/10.1089/NEU.2014.2009>

Theadom, A., Cropley, M., Parmar, P., Barker-Collo, S., Starkey, N., Jones, K., & Feigin, V. L. (2010). Sleep difficulties one year following mild traumatic brain injury in a population-based study. *Sleep Medicine*, 16, 926-932. <https://doi.org/10.1177/j.sleep.2010.04.013>

Towns, S. J., Silva, M. A., & Belanger, H. G. (2010). Subjective sleep quality and postconcussion symptoms following mild traumatic brain injury. *Brain Injury*, 24, 1227-1231. <https://doi.org/10.3109/02699702.2010.5003>

Van Cutsem, J., Marcora, S., De Pauw, K., Bailey, S., Meeusen, R., & Roelands, B. (2017). The effects of mental fatigue on physical performance: A systematic review. *Sports Medicine*, 47, 1069-1088.

van Dongen, H. P. A., Maislin, G., Mullington, J. M., & Dinges, D. F. (2007). The cumulative cost of additional wakefulness: Dose-response effects on neurobehavioral functions and sleep physiology from chronic sleep restriction and total sleep deprivation. *Sleep*, 30, 1176-1186. <https://doi.org/10.1093/sleep/30.7.1176>

Vanderlind, W. M., Beevers, C. G., Sherman, S. M., Trujillo, L. T., McGeary, J. E., Matthews, M. D., Maddox, W. T., & Schnyer, D. M. (2015). Sleep and sadness: Exploring the relation among sleep, cognitive control, and depressive symptoms in young adults. *Sleep Medicine*, 10, 144-149. <https://doi.org/10.1177/j.sleep.2013.10.00>

Vitale, J. A., Banfi, G., Galbiati, A., Ferini-Strambi, L., & Torre, A. L. (2019). Effect of a night game on actigraphy-based sleep quality and perceived recovery in top-level volleyball athletes. *International Journal of Sports Physiology and Performance*, 14, 260-269.

Vitale, K. C., Owens, R., Hopkins, S. R., & Malhotra, A. (2019). Sleep hygiene for optimizing recovery in athletes: Review and recommendations. *International Journal of Sports Medicine*, 40, 230-233.

Vyazovskiy, V. V. (2010). Sleep, recovery, and metaregulation: Explaining the benefits of sleep. *Nature and Science of Sleep*, 2, 11-18. <https://doi.org/10.2147/NSS.S0436>

Walsh, N. P., Halson, S. L., Sargent, C., Roach, G. D., Nédélec, M., Gupta, L., Leeder, J., Fullagar, H. H., Coutts, A. J., Edwards, B. J., Pullinger, S. A., Robertson, C. M., Burniston, J. G., Lastella, M., Meur, Y. L., Hausswirth, C., Bender, A. M., Grandner, M. A., & Samuels, C. H. (2020). Sleep and the athlete: Narrative review and 2021 expert consensus recommendations. *British Journal of Sports Medicine*.

Whelan, J. P., Epkins, C. C., & Meyers, A. W. (1990). Arousal interventions for athletic performance: Influence of mental preparation and competitive experience. *Anxiety Research*, 2, 293-307. <https://doi.org/10.1080/08917779.08248730>

Williams, B. R., Lazic, S. E., & Ogilvie, R. D. (2008). Polysomnographic and quantitative EEG analysis of subjects with long-term insomnia complaints associated with mild traumatic brain injury. *Clinical Neurophysiology*, 119, 429e-438. <https://doi.org/10.1016/j.clinph.2007.11.003>

Winer, J. R., Mander, B. A., Kumar, S., Reed, M., Baker, S. L., Jagust, W. J., & Walker, M. P. (2020). Sleep disturbance forecasts b-amyloid accumulation across subsequent years. *Current Biology*, 30, 4291e-4298.e3. <https://doi.org/10.1016/j.cub.2020.08.017>

Wiseman-Hakes, C., Gosselin, N., Sharma, B., Langer, L., & Gagnon, I. (2019). A longitudinal investigation of sleep and daytime wakefulness in children and youth with concussion. *ASN Neuro*, 11, Article 1709091418822400. <https://doi.org/10.1177/1709091418822400>

Xie, L., Kang, H., Xu, Q., Chen, M. J., Liao, Y., Thiyagarajan, M., O'Donnell, J., Christensen, D. J., Nicholson, C., Iliff, J. J., Takano, T., Deane, R., & Nedergaard, M. (2013). Sleep drives metabolite clearance from the adult brain. *Science*, 342, 373e-377. <https://doi.org/10.1126/science.1241224>

## منابع فصل یازدهم

Adam, M. U., Brassington, G. S., Steiner, H., & Matheson, G. O. (2004). Psychological factors associated with performance-limiting injuries in professional ballet dancers. *Journal of Dance Medicine and Science*, 8(2), 42e-46.

Akazawa, N., Kobayashi, N., Nakamura, Y., Kumagai, H., Choi, Y., & Maeda, S. (2019). Effect of sleep efficiency on salivary metabolite profile and cognitive function during exercise in volleyball athletes. *European Journal of Applied Physiology*, 119(10), 2210e-2223. <https://doi.org/10.1007/s00421-019-0420-7>

Alahmad, T. A., Tierney, A. C., Cahalan, R. M., Almaflehi, N. S., & Clifford, A. M. (2021). Injury risk profile of amateur Irish women soccer players and players' opinions on risk factors and prevention strategies. *Physical Therapy in Sport*, 50, 184e-194. <https://doi.org/10.1016/j.ptsp.2021.05.008>

Almonroeder, T. G., Tighe, S. M., Miller, T. M., & Lanning, C. R. (2020). The influence of fatigue on decision-making in athletes: A systematic review. *Sports Biomechanics*, 19(1), 76e-89. <https://doi.org/10.1080/14763141.2018.1472798>

Andrade, A., Bevilacqua, G., Casagrande, P., Brandt, R., & Coimbra, D. (2019). Sleep quality associated with mood in elite athletes. *The Physician and Sportsmedicine*, 47(3), 312e-317. <https://doi.org/10.1080/00913147.2018.1503477>

Bender, A. M., Lawson, D., Werthner, P., & Samuels, C. H. (2018). The clinical validation of the Athlete Sleep Screening Questionnaire: An instrument to identify athletes that need further sleep assessment. *Sports Medicine Open*, 4(1), 23. <https://doi.org/10.1186/s40798-018-0140-0>

Benjamin, C. L., Curtis, R. M., Huggins, R. A., Sekiguchi, Y., Jain, R. K., McFadden, B. A., & Casa, D. J. (2020). Sleep dysfunction and mood in collegiate soccer athletes. *Sport Health*, 12(3), 235e240. <https://doi.org/10.1177/1941473819916730>

Biggins, M., Purtill, H., Fowler, P., Bender, A., Sullivan, K. O., Samuels, C., & Cahalan, R. (2019). Sleep in elite multi-sport athletes: Implications for athlete health and wellbeing. *Physical Therapy in Sport*, 39, 136e142. <https://doi.org/10.1016/j.ptsp.2019.07.006>

Bittencourt, N. F. N., Meeuwisse, W. H., Mendonça, L. D., Nettel-Aguirre, A., Ocarino, J. M., & Fonseca, S. T. (2016). Complex systems approach for sports injuries: Moving from risk factor identification to injury pattern recognition-narrative review and new concept. *British Journal of Sports Medicine*, 50(21), 1309e1314. <https://doi.org/10.1136/bjsports-2016-090800>

Sleep and injury prevention in athletes Chapter | 11 199 Bonnar, D., Bartel, K., Kakoschke, N., & Lang, C. (2018). Sleep interventions designed to improve athletic performance and recovery: A systematic review of current approaches. *Sports Medicine*, 48(3), 683e703. <https://doi.org/10.1007/s12296-017-0832-x>

Bower, B., Bylisma, L. M., Morris, B. H., & Rottenberg, J. (2010). Poor reported sleep quality predicts low positive affect in daily life among healthy and mood-disordered persons. *Journal of Sleep Research*, 19(2), 223e232. <https://doi.org/10.1111/j.1370-2879.2009.01176.x>

Bramley, H., Henson, A., Lewis, M. M., Kong, L., Stetter, C., & Silvis, M. (2017). Sleep disturbance following concussion is a risk factor for a prolonged recovery. *Clinical Pediatrics*, 56(14), 1280e1286. <https://doi.org/10.1177/0009922817716173>

Bryan, M. A., Rowhani-Rahbar, A., Comstock, R. D., & Rivara, F. (2016). Sports- and recreation-related concussions in US youth. *Pediatrics*, 138(1), Article e20152730. <https://doi.org/10.1093/peds.2015-2730>

Burke, T. M., Lisman, P. J., Maguire, K., Skeiky, L., Choynowski, J. J., Capaldi, V. F., 2nd, ... Dobrosielski, D. A. (2020). Examination of sleep and injury among college football athletes. *The Journal of Strength & Conditioning Research*, 34(3), 696-716. <https://doi.org/10.1019/jsc.0000000000003464>

Cahalan, R., Kearney, P., Ni Bhriain, O., Redding, E., Quin, E., McLaughlin, L. C., & O'Sullivan, K. (2018). Dance exposure, wellbeing and injury in collegiate Irish and contemporary dancers: A prospective study. *Physical Therapy in Sport*, 34, 116e123. <https://doi.org/10.1016/j.ptsp.2018.09.006>

Cahalan, R., O'Sullivan, P., Purtill, H., Bargary, N., Ni Bhriain, O., & O'Sullivan, K. (2016). Inability to perform because of pain/injury in elite adult Irish dance: A prospective investigation of contributing factors. *Scandinavian Journal of Medicine & Science in Sports*, 26(6), 694e702. <https://doi.org/10.1111/sms.12492>

Cahalan, R., Purtill, H., O'Sullivan, P., & O'Sullivan, K. (2010). A cross-sectional study of elite adult Irish dancers: Biopsychosocial traits, pain, and injury. *Journal of Dance Medicine and Science*, 19(1), 31e43. <https://doi.org/10.12678/1089-313X.19.1.31>

Chase, J. D., Roberson, P. A., Saunders, M. J., Hargens, T. A., Womack, C. J., & Luden, N. D. (2017). One night of sleep restriction following heavy exercise impairs 3-km cycling time-trial performance in the morning. *Applied Physiology Nutrition and Metabolism*, 42(9), 909e910. <https://doi.org/10.1139/apnm-2017-0798>

Claudino, J. G., Gabbett, T. J., de Sá Souza, H., Simim, M., Fowler, P., de Alcantara Borba, D., ... Nassis, G. P. (2019). Which parameters to use for sleep quality monitoring in team sport

athletes? A systematic review and meta-analysis. *BMJ Open Sport & Exercise Medicine*, 0(1), Article e000470. <https://doi.org/10.1136/bmjsem-2018-000470>

Dattilo, M., Antunes, H. K., Medeiros, A., Mônico Neto, M., Souza, H. S., Tufik, S., & de Mello, M. T. (2011). Sleep and muscle recovery: Endocrinological and molecular basis for a new and promising hypothesis. *Medical Hypotheses*, 77(2), 220e222. <https://doi.org/10.1016/j.mehy.2011.04.017>

Dáttilo, M., Antunes, H. K. M., Galbes, N. M. N., Mônico-Neto, M., Souza, H. D. S., Dos Santos Quaresma, M. V. L., ... De Mello, M. T. (2020). Effects of sleep deprivation on acute skeletal muscle recovery after exercise. *Medicine & Science in Sports & Exercise*, 52(2), 007e014. <https://doi.org/10.1249/mss.0000000000002137>

de Sousa Nogueira Freitas, L., da Silva, F. R., Andrade, H. A., Guerreiro, R. C., Paulo, F. V., de Mello, M. T., & Silva, A. (2020). Sleep debt induces skeletal muscle injuries in athletes: A promising hypothesis. *Medical Hypotheses*, 142, Article 109836. <https://doi.org/10.1016/j.mehy.2020.109836>

de Zambotti, M., Cellini, N., Goldstone, A., Colrain, I. M., & Baker, F. C. (2019). Wearable sleep technology in clinical and research settings. *Medicine & Science in Sports & Exercise*, 51(8), 1038e1007. <https://doi.org/10.1249/mss.0000000000001947>

Dennis, J., Dawson, B., Heasman, J., Rogalski, B., & Robey, E. (2016). Sleep patterns and injury occurrence in elite Australian footballers. *Journal of Science and Medicine in Sport*, 19(2), 113e116. <https://doi.org/10.1016/j.jsams.2015.02.003>

Dobrosielski, D. A., Sweeney, L., & Lisman, P. J. (2021). The association between poor sleep and the incidence of sport and physical training-related injuries in adult athletic populations: A systematic review. *Sports Medicine*, 51(4), 777e793. <https://doi.org/10.1007/s40201-020-01416-3>

Driller, M. W., Mah, C. D., & Halson, S. L. (2018). Development of the athlete sleep behavior questionnaire: A tool for identifying maladaptive sleep practices in elite athletes. *Sleep Science*, 11(1), 37e44. <https://doi.org/10.5937/1984-0673.2018009>

Ekegren, C. L., Quested, R., & Brodrick, A. (2014). Injuries in pre-professional ballet dancers: Incidence, characteristics and consequences. *Journal of Science and Medicine in Sport*, 17(3), 271e270. <https://doi.org/10.1016/j.jsams.2013.07.013>

Ekstrand, J., Häggglund, M., & Waldén, M. (2011). Epidemiology of muscle injuries in professional football (soccer). *The American Journal of Sports Medicine*, 39(6), 1276e1282. <https://doi.org/10.1177/0363046109390879>

Finan, P. H., Goodin, B. R., & Smith, M. T. (2013). The association of sleep and pain: An update and a path forward. *The Journal of Pain*, 14(12), 1039e1002. <https://doi.org/10.1016/j.jpain.2013.08.007>

Fullagar, H. H. K., McCall, A., Impellizzeri, F. M., Favero, T., & Coutts, A. J. (2019). The translation of sport science research to the field: A current opinion and overview on the perceptions of practitioners, researchers and coaches. *Sports Medicine*, 49(12), 1817e1824. <https://doi.org/10.1007/s40201-019-01139-0>

Fullagar, H. H., Skorski, S., Duffield, R., Hammes, D., Coutts, A. J., & Meyer, T. (2010). Sleep and athletic performance: The effects of sleep loss on exercise performance, and physiological and cognitive responses to exercise. *Sports Medicine*, 40(2), 171e186. <https://doi.org/10.1007/s40201-014-0260-0>

Furtado, F., Goncalves, B. D., Abranches, I. L., Abrantes, A. F., & Forner-Cordero, A. (2016). Chronic low quality sleep impairs postural control in healthy adults. *PLoS One*, 11(10), Article e0163310. <https://doi.org/10.1371/journal.pone.0163310>.

Gao, B., Dwivedi, S., Milewski, M. D., & Cruz, A. I., Jr. (2019). Lack of sleep and sports injuries in adolescents: A systematic review and meta-analysis. *Journal of Pediatric Orthopaedics*, 39(5), e324e333. <https://doi.org/10.1097/bpo.0000000000000306>

Gosselin, N., Lassonde, M., Petit, D., Leclerc, S., Mongrain, V., Collie, A., & Montplaisir, J. (2009). Sleep following sport-related concussions. *Sleep Medicine*, 10(1), 30e37. <https://doi.org/10.1016/j.sleep.2008.11.001>.

Gouttebauge, V., Aoki, H., Ekstrand, J., Verhagen, E. A., & Kerkhoffs, G. M. (2016). Are severe musculoskeletal injuries associated with symptoms of common mental disorders among male European professional footballers? *Knee Surgery, Sports Traumatology, Arthroscopy*, 22(12), 3934e3942. <https://doi.org/10.1007/s00167-016-3729-y>

Grier, T., Dinkeloo, E., Reynolds, M., & Jones, B. H. (2020). Sleep duration and musculoskeletal injury incidence in physically active men and women: A study of U.S. Army special operation Forces soldiers. *Sleep Health*, 6(3), 343e349. <https://doi.org/10.1016/j.sleh.2020.01.004>

Gupta, L., Morgan, K., & Gilchrist, S. (2017). Does elite sport degrade sleep quality? A systematic review. *Sports Medicine*, 47(7), 1317e1333. <https://doi.org/10.1007/s40279-016-1600-7>

Halson, S. L. (2014). Monitoring training load to understand fatigue in athletes. *Sports Medicine*, 44(Suppl. 2), S139eS147. <https://doi.org/10.1007/s40279-014-0203-z>

Halson, S. L., Shaw, G., Versey, N., Miller, D. J., Sargent, C., Roach, G. D., ... Baar, K. (2020). Optimisation and validation of a nutritional intervention to enhance sleep quality and quantity. *Nutrients*, 12(9), 2079. <https://doi.org/10.3390/nu12092079>

Halson, S. L. (2019). Sleep monitoring in athletes: Motivation, methods, miscalculations and why it matters. *Sports Medicine*, 49(10), 1487e1497. <https://doi.org/10.1007/s40279-019-01119-4>

Hayes, L. E., Boulos, A., & Cruz, A. I., Jr. (2019). Risk factors for in-season injury in varsity collegiate cross-country athletes: An analysis of one season in 97 athletes. *The Journal of Sports Medicine and Physical Fitness*, 59(9), 1037e1043. <https://doi.org/10.23733/j.spm.22-47.19.9221-1>

Hoffman, N. L., O'Connor, P. J., Schmidt, M. D., Lynall, R. C., & Schmidt, J. D. (2020). Relationships between post-concussion sleep and symptom recovery: A preliminary study. *Journal of Neurotrauma*, 37(8), 1096e1036. <https://doi.org/10.1089/neu.2019.7771>

Hoffman, N. L., Weber, M. L., Broglio, S. P., McCrea, M., McAllister, T. W., & Schmidt, J. D. (2020). Influence of postconcussion sleep duration on concussion recovery in collegiate athletes. *Clinical Journal of Sport Medicine*, 30(Suppl. 1), S9eS30. <https://doi.org/10.1097/jsm.0000000000000308>

Howell, D. R., Berkstresser, B., Wang, F., Buckley, T. A., Mannix, R., Stillman, A., & Meehan, W. P., 3rd (2018). Self-reported sleep duration affects tandem gait, but not steady-state gait outcomes among healthy collegiate athletes. *Gait & Posture*, 62, 291e296. <https://doi.org/10.1016/j.gaitpost.2018.03.038>

Huang, K., & Ihm, J. (2021). Sleep and injury risk. *Current Sports Medicine Reports*, 20(1), 287e290. <https://doi.org/10.1249/jsr.0000000000000499>

Ivarsson, A., Johnson, U., Andersen, M. B., Tranaeus, U., Stenling, A., & Lindwall, M. (2017). Psychosocial factors and sport injuries: meta-analyses for prediction and prevention. *Sports Medicine*, 47(2), 203-210. <https://doi.org/10.1007/s12299-016-0578-x>

Jaffee, M. S., Winter, W. C., Jones, C. C., & Ling, G. (2010). Sleep disturbances in athletic concussion. *Brain Injury*, 24(2), 221-227. <https://doi.org/10.3109/174473610.2010.488397>

Johnston, R., Cahalan, R., Bonnett, L., Maguire, M., Glasgow, P., Madigan, S., ... Comyns, T. (2020). General health complaints and sleep associated with new injury within an endurance sporting population: A prospective study. *Journal of Science and Medicine in Sport*, 23(3), 202-207. <https://doi.org/10.1016/j.jsams.2019.10.013>

Johnston, R., Cahalan, R., Bonnett, L., Maguire, M., Nevill, A., Glasgow, P., ... Comyns, T. (2019). Training load and baseline characteristics associated with new injury/pain within an endurance sporting population: A prospective study. *International Journal of Sports Physiology and Performance*, 14(5), 690-697. <https://doi.org/10.1123/ijpspp.2018-0744>

Jones, C. M., Griffiths, P. C., & Mellalieu, S. D. (2017). Training load and fatigue marker associations with injury and illness: A systematic review of longitudinal studies. *Sports Medicine*, 47(5), 943-954. <https://doi.org/10.1007/s12299-016-0719-0>

Jones, C. M., Griffiths, P. C., Towers, C., Claxton, J., & Mellalieu, S. D. (2018). Pre-season injury and illness associations with perceptual wellness, neuromuscular fatigue, sleep and training load in elite rugby union. *Journal of Australian Strength and Conditioning*, 26(2), 7-16.

Junge, A. (2000). The influence of psychological factors on sports injuries. *The American Journal of Sports Medicine*, 28(6 Suppl. 1), S10-S16. <https://doi.org/10.1177/0954579400028010s1>

Kiliç, Ö., Aoki, H., Goedhart, E., Hägglund, M., Kerkhoffs, G., Kuijer, P., ... Gouttebauge, V. (2018). Severe musculoskeletal time-loss injuries and symptoms of common mental disorders in professional soccer: A longitudinal analysis of 12-month follow-up data. *Knee Surgery, Sports Traumatology, Arthroscopy*, 26(3), 946-954. <https://doi.org/10.1007/s00167-017-4644-1>

Killen, N. M., Gabbett, T. J., & Jenkins, D. G. (2010). Training loads and incidence of injury during the preseason in professional rugby league players. *The Journal of Strength & Conditioning Research*, 24(8), 2079-2084. <https://doi.org/10.1016/J.JSC.2010.03.011>

Killgore, W. D. (2010). Effects of sleep deprivation on cognition. *Progress in Brain Research*, 180, 100-129. [https://doi.org/10.1016/B978-0-444-50370-2\\_00007](https://doi.org/10.1016/B978-0-444-50370-2_00007)

Kluitenberg, B., van Middelkoop, M., Verhagen, E., Hartgens, F., Huisstede, B., Diercks, R., & van der Worp, H. (2016). The impact of injury definition on injury surveillance in novice runners. *Journal of Science and Medicine in Sport*, 19(6), 470-476. <https://doi.org/10.1016/j.jsams.2015.07.003>

Kostyun, R. O., Milewski, M. D., & Hafeez, I. (2010). Sleep disturbance and neurocognitive function during the recovery from a sport-related concussion in adolescents. *The American Journal of Sports Medicine*, 38(3), 633-640. <https://doi.org/10.1177/0954579409363046>

Lamon, S., Morabito, A., Arentson-Lantz, E., Knowles, O., Vincent, G. E., Condo, D., ... Aisbett, B. (2021). The effect of acute sleep deprivation on skeletal muscle protein synthesis and the hormonal environment. *Physiological Reports*, 9(1), Article e14666. <https://doi.org/10.14814/phyz.14666>

Lastella, M., Halson, S. L., Vitale, J. A., Memon, A. R., & Vincent, G. E. (2021). To nap or not to nap? A systematic review evaluating napping behavior in athletes and the impact on various

measures of athletic performance. *Nature and Science of Sleep*, 13, 811e812.  
<https://doi.org/10.2147/nss.S310006>

Laux, P., Krumm, B., Diers, M., & Flor, H. (2010). Recovery-stress balance and injury risk in professional football players: A prospective study. *Journal of Sports Sciences*, 28(2), 214e218.  
<https://doi.org/10.1080/02643196.2010.5038>

Levitch, C. F., McConathey, E., Aghvinian, M., Himmelstein, M., Lipton, M. L., & Zimmerman, M. E. (2007). The impact of sleep on the relationship between soccer heading exposure and neuropsychological function in college-age soccer players. *Journal of the International Neuropsychological Society*, 13(7), 633e644. <https://doi.org/10.1017/S1350611707000211>

Li, H., Moreland, J. J., Peek-Asa, C., & Yang, J. (2007). Preseason anxiety and depressive symptoms and prospective injury risk in collegiate athletes. *The American Journal of Sports Medicine*, 35(9), 2148e2150. <https://doi.org/10.1177/0363546707308484>

Lowe, C. J., Safati, A., & Hall, P. A. (2007). The neurocognitive consequences of sleep restriction: A meta-analytic review. *Neuroscience & Biobehavioral Reviews*, 31, 816e824.  
<https://doi.org/10.1016/j.neubiorev.2007.07.01>

Luke, A., Lazaro, R. M., Bergeron, M. F., Keyser, L., Benjamin, H., Brenner, J., ... Smith, A. (2011). Sports-related injuries in youth athletes: Is overscheduling a risk factor? *Clinical Journal of Sport Medicine*, 21(4), 307e314. <https://doi.org/10.1097/JSM.0b013e318221af71>

Mah, C. D., Kezirian, E. J., Marcello, B. M., & Dement, W. C. (2008). Poor sleep quality and insufficient sleep of a collegiate student-athlete population. *Sleep Health*, 4(3), 201e207.  
<https://doi.org/10.1016/j.sleh.2008.02.00>

Mah, C. D., Mah, K. E., Kezirian, E. J., & Dement, W. C. (2011). The effects of sleep extension on the athletic performance of collegiate basketball players. *Sleep*, 34(7), 933e940.  
<https://doi.org/10.5665/sleep.1132>

Mah, C. D., Sparks, A. J., Samaan, M. A., Souza, R. B., & Luke, A. (2009). Sleep restriction impairs maximal jump performance and joint coordination in elite athletes. *Journal of Sports Sciences*, 27(17), 1981e1988. <https://doi.org/10.1080/02643196.2009.311200>

Milewski, M. D., Skaggs, D. L., Bishop, G. A., Pace, J. L., Ibrahim, D. A., Wren, T. A., & Barzdukas, A. (2014). Chronic lack of sleep is associated with increased sports injuries in adolescent athletes. *Journal of Pediatric Orthopaedics*, 34(2), 129e133.  
<https://doi.org/10.1097/bpo.0000000000000101>

Minkel, J. D., Banks, S., Htaik, O., Moreta, M. C., Jones, C. W., McGlinchey, E. L., ... Dinges, D. F. (2012). Sleep deprivation and stressors: Evidence for elevated negative affect in response to mild stressors when sleep deprived. *Emotion*, 12(6), 1010e1020.  
<https://doi.org/10.1037/a0026871>

Montesinos, L., Castaldo, R., Cappuccio, F. P., & Pecchia, L. (2018). Day-to-day variations in sleep quality affect standing balance in healthy adults. *Scientific Reports*, 8(1), Article 17004.  
<https://doi.org/10.1038/s41598-018-3603-4>

Nedelec, M., Aloulou, A., Duforez, F., Meyer, T., & Dupont, G. (2018). The variability of sleep among elite athletes. *Sports Medicine Open*, 4(1), 34. <https://doi.org/10.1186/s40798-018-0101-2>

Nédélec, M., Leduc, C., Dawson, B., Guilhem, G., & Dupont, G. (2019). Case study: Sleep and injury in elite soccer—a mixed method approach. *The Journal of Strength & Conditioning Research*, 33(11), 3080-3091. <https://doi.org/10.1019/jsc.0000000000002201>

Nota, J. A., & Coles, M. E. (2018). Shorter sleep duration and longer sleep onset latency are related to difficulty disengaging attention from negative emotional images in individuals with elevated transdiagnostic repetitive negative thinking. *Journal of Behavior Therapy and Experimental Psychiatry*, 58, 114-122. <https://doi.org/10.1016/j.jbtep.2017.10.003>

Palmer, C. A., & Alfano, C. A. (2017). Sleep and emotion regulation: An organizing, integrative review. *Sleep Medicine Reviews*, 31, 7-16. <https://doi.org/10.1016/j.smrv.2015.12.006>

Paruthi, S., Brooks, L. J., D'Ambrosio, C., Hall, W. A., Kotagal, S., Lloyd, R. M., ... Wise, M. S. (2016). Recommended amount of sleep for pediatric populations: A consensus statement of the American academy of sleep medicine. *Journal of Clinical Sleep Medicine*, 12(6), 789-796. <https://doi.org/10.5664/jcsm.0866>

Patel, A. R., Hsu, A., Perez, I. A., Wren, T. A. L., & Edison, B. R. (2020). Assessing the effects of sleep on neurocognitive performance and injury rate in adolescent athletes using actigraphy. *Research in Sports Medicine*, 28(4), 498-506. <https://doi.org/10.1080/10438722.2020.1717229>

Peacock, C. A., Mena, M., Sanders, G. J., Silver, T. A., Kalman, D., & Antonio, J. (2018). Sleep data, physical performance, and injuries in preparation for professional mixed martial arts. *Sports*, 9(1), 1. <https://doi.org/10.3390/sports9010001>

Rae, D. E., Chin, T., Dikgomo, K., Hill, L., McKune, A. J., Kohn, T. A., & Roden, L. C. (2017). One night of partial sleep deprivation impairs recovery from a single exercise training session. *European Journal of Applied Physiology*, 117(4), 799-812. <https://doi.org/10.1007/s00421-017-3560-0>

Raikes, A. C., Athey, A., Alfonso-Miller, P., Killgore, W. D. S., & Grandner, M. A. (2019). Insomnia and daytime sleepiness: Risk factors for sports-related concussion. *Sleep Medicine*, 58, 76-84. <https://doi.org/10.1016/j.sleep.2019.03.008>

Robey, E., Dawson, B., Halson, S., Gregson, W., King, S., Goodman, C., & Eastwood, P. (2013). Effect of evening postexercise cold water immersion on subsequent sleep. *Medicine & Science in Sports & Exercise*, 45(7), 1394-1402. <https://doi.org/10.1249/MSS.0b013e318287f321>

Sampson, J. A., Murray, A., Williams, S., Sullivan, A., & Fullagar, H. H. K. (2019). Subjective wellness, acute: Chronic workloads, and injury risk in college football. *The Journal of Strength & Conditioning Research*, 33(12), 3376-3383. <https://doi.org/10.1019/jsc.0000000000003000>

Schwartz, J., & Simon, R. D., Jr. (2010). Sleep extension improves serving accuracy: A study with college varsity tennis players. *Physiology & Behavior*, 101, 94-102. <https://doi.org/10.1016/j.physbeh.2010.08.030>

Silva, A., Narciso, F. V., Soalheiro, I., Viegas, F., Freitas, L. S. N., Lima, A., ... de Mello, M. T. (2020). Poor sleep quality's association with soccer injuries: Preliminary data. *International Journal of Sports Physiology and Performance*, 15(5), 771-776. <https://doi.org/10.1123/ijsp.2019-0180>

Simpson, N. S., Gibbs, E. L., & Matheson, G. O. (2017). Optimizing sleep to maximize performance: Implications and recommendations for elite athletes. *Scandinavian Journal of Medicine & Science in Sports*, 27(3), 276-284. <https://doi.org/10.1111/sms.12203>

Sinnott, A. M., Kontos, A. P., Collins, M. W., & Ortega, J. (2020). Concussion symptoms among athletes: Preinjury factors predict postinjury factors. *The Journal of Head Trauma Rehabilitation*, 35(8), E361-E371. <https://doi.org/10.1097/htr.0000000000000562>

Skein, M., Duffield, R., Edge, J., Short, M. J., & Mündel, T. (2011). Intermittent-sprint performance and muscle glycogen after 3 h of sleep deprivation. *Medicine & Science in Sports & Exercise*, 43(7), 1301-1311. <https://doi.org/10.1249/MSS.0b013e3182182abc0a>

Skein, M., Duffield, R., Minett, G. M., Snape, A., & Murphy, A. (2013). The effect of overnight sleep deprivation after competitive rugby league matches on postmatch physiological and perceptual recovery. *International Journal of Sports Physiology and Performance*, 8(6), 606-614. <https://doi.org/10.1123/ijpspp.8.6.606>

Stavrou, V. T., Astara, K., Daniil, Z., Gourgoulialis, K. I., Kalabakas, K., Karagiannis, D., & Basdekis, G. (2020). The reciprocal association between fitness indicators and sleep quality in the context of recent sport injury. *International Journal of Environmental Research and Public Health*, 17(13), 4811. <https://doi.org/10.3390/ijerph17134811>

Sufrinko, A. M., Howie, E. K., Elbin, R. J., Collins, M. W., & Kontos, A. P. (2018). A preliminary investigation of accelerometer-derived sleep and physical activity following sport-related concussion. *The Journal of Head Trauma Rehabilitation*, 33(6), E64-E74. <https://doi.org/10.1097/htr.0000000000000387>

Sufrinko, A., Pearce, K., Elbin, R. J., Covassin, T., Johnson, E., Collins, M., & Kontos, A. P. (2019). The effect of preinjury sleep difficulties on neurocognitive impairment and symptoms after sport-related concussion. *The American Journal of Sports Medicine*, 47(8), 1830-1838. <https://doi.org/10.1177/0363546719867193>

Trbovich, A. M., Howie, E. K., Elbin, R. J., Ernst, N., Stephenson, K., Collins, M. W., & Kontos, A. P. (2021). The relationship between accelerometer-measured sleep and next day ecological momentary assessment symptom report during sport-related concussion recovery. *Sleep Health*, 7(8), 909-920. <https://doi.org/10.1016/j.sleh.2021.03.006>

Tsuchiya, S., Tsuchiya, M., Momma, H., Sekiguchi, T., Kuroki, K., Kanazawa, K., ... Hagiwara, Y. (2017). Factors associated with sports-related dental injuries among young athletes: A cross-sectional study in miyagi prefecture. *BMC Oral Health*, 17(1), 168. <https://doi.org/10.1186/s12903-017-0477-4>

van Gent, R. N., Siem, D., van Middelkoop, M., van Os, A. G., Bierma-Zeinstra, S. M., & Koes, B. W. (2007). Incidence and determinants of lower extremity running injuries in long distance runners: A systematic review. *British Journal of Sports Medicine*, 41(8), 964-974. <https://doi.org/10.1136/bjism.2006.033048>

von Rosen, P., Frohm, A., Kottorp, A., Fridén, C., & Heijne, A. (2017). Multiple factors explain injury risk in adolescent elite athletes: Applying a biopsychosocial perspective. *Scandinavian Journal of Medicine & Science in Sports*, 27(12), 2099-2109. <https://doi.org/10.1111/sms.12800>

von Rosen, P., Frohm, A., Kottorp, A., Fridén, C., & Heijne, A. (2017). Too little sleep and an unhealthy diet could increase the risk of sustaining a new injury in adolescent elite athletes. *Scandinavian Journal of Medicine & Science in Sports*, 27(11), 1364-1371. <https://doi.org/10.1111/sms.12730>

von Rosen, P., & Heijne, A. (2022). Previous and current injury and not training and competition factors were associated with future injury prevalence across a season in adolescent elite athletes. *Physiotherapy Theory and Practice*. <https://doi.org/10.1080/09639180.2022.1972266>

Walsh, N. P., Halson, S. L., Sargent, C., Roach, G. D., Nédélec, M., Gupta, L., ... Samuels, C. H. (۲۰۲۱). Sleep and the athlete: Narrative review and ۲۰۲۱ expert consensus recommendations. *British Journal of Sports Medicine*. <https://doi.org/10.1136/bjsports-2020-102020>

Watson, A., Brickson, S., Brooks, A., & Dunn, W. (۲۰۱۷). Subjective well-being and training load predict in-season injury and illness risk in female youth soccer players. *British Journal of Sports Medicine*, ۵۱(۳), ۱۹۴e۱۹۹. <https://doi.org/10.1136/bjsports-2016-096084>

Watson, A., Johnson, M., & Sanfilippo, J. (۲۰۲۰). Decreased sleep is an independent predictor of in-season injury in male collegiate basketball players. *Orthopaedic Journal of Sports Medicine*, ۸(۱۱). <https://doi.org/10.1177/2320967120964481>

Wiese-Bjornstal, D. M. (۲۰۱۰). Psychology and socioculture affect injury risk, response, and recovery in high-intensity athletes: A consensus statement. *Scandinavian Journal of Medicine & Science in Sports*, ۲۰(Suppl. ۲), ۱۰۳e۱۱۱. <https://doi.org/10.1111/j.1600-0838.2010.01190.x>

Wilke, J., & Groneberg, D. A. (۲۰۲۲). Neurocognitive function and musculoskeletal injury risk in sports: A systematic review. *Journal of Science and Medicine in Sport*. <https://doi.org/10.1016/j.jsams.2021.07.002>

Wilkes, J. R., Walter, A. E., Chang, A. M., Miller, S. J., Sebastianelli, W. J., Seidenberg, P. H., & Slobounov, S. (۲۰۲۱). Effects of sleep disturbance on functional and physiological outcomes in collegiate athletes: A scoping review. *Sleep Medicine*, ۸۱, ۸e۱۹. <https://doi.org/10.1016/j.sleep.2021.01.046>

Yang, D. F., Shen, Y. L., Wu, C., Huang, Y. S., Lee, P. Y., Er, N. X., ... Tung, Y. T. (۲۰۱۹). Sleep deprivation reduces the recovery of muscle injury induced by high-intensity exercise in a mouse model. *Life Sciences*, ۲۲۵, Article 11683۵. <https://doi.org/10.1016/j.lfs.2019.116835>

Yeomans, C., Comyns, T. M., Cahalan, R., Hayes, K., Costello, V., Warrington, G. D., ... Kenny, I. C. (۲۰۱۹). The relationship between physical and wellness measures and injury in amateur rugby union players. *Physical Therapy in Sport*, ۴۰, ۵۹e۶۵. <https://doi.org/10.1016/j.ptsp.2019.08.012>

## منابع فصل دوازدهم

Aguilar, R., Jimenez, M., & Alvero-Cruz, J. (۲۰۱۳). Testosterone, cortisol, and anxiety in elite field hockey players. *Physiology and Behavior*, ۱۱۹(۲), ۳۸e۴۲.

Alger, S., Brager, A., Balkin, T., Capaldi, V., & Simonelli, G. (۲۰۲۰). Effect of cognitive load and emotional valence of distractors on performance during sleep extension and subsequent sleep deprivation. *Sleep*, ۴۳(۸), Article zsa01۳.

Alger, S., Brager, A., & Capaldi, V. (۲۰۲۰). Challenging the stigma of workplace napping. *Sleep*, ۴۳(۸), v۲۹۷.

Amaro-Gahete, F. J., Jurado-Fasoli, L., Triviño, A. R., Sanchez-Delgado, G., Helge, J. W., & Ruiz, J. R. (۲۰۱۹). Diurnal variation of maximal fatoxidation rate in trained male athletes. *International Journal of Sports Physiology and Performance*, ۱۴(۸), ۱۱۴۰e۱۱۴۶.

Balthazar, C., Garcia, M., & Spadari-Bratfisch, R. (۲۰۱۲). Salivary concentrations of cortisol and testosterone and prediction of performance in a professional triathlon competition. *Stress*, ۱۵(۵), ۱e۸.

- Barnes, M. (2014). Alcohol: Impact on sports performance and recovery in male athletes. *Sports Medicine*, 44, 909-919.
- Baum, K., Desai, A., Field, J., Miller, L., Rausch, J., & Beebe, D. (2014). Sleep restriction worsens mood and emotion regulation in adolescents. *Journal of Child Psychology and Psychiatry*, 55(2), 180-190.
- Blanchfield, A., Lewis-Jones, T., Wignall, J., Roberts, J., & Oliver, S. (2018). The influence of an afternoon nap on the endurance performance of trained runners. *European Journal of Sport Science*, 18(9), 1081-1088.
- Belenky, G., Wesensten, N., Thorne, D., Thomas, M., Sing, H., Redmond, D., et al. (2003). Patterns of performance degradation and restoration during sleep restriction and subsequent recovery: A sleep dose-response study. *Journal of Sleep Research*, 12(1), 101-113.
- Blumert, P. A., Crum, A. J., Ernsting, M., Volek, J. S., Hollander, D. B., Haff, E. E., & Haff, G. G. (2007). The acute effects of twenty-four hours of sleep loss on the performance of national caliber male collegiate weightlifters. *The Journal of Strength and Conditioning Research*, 21(4), 1147-1154.
- Bonnar, B., Lee, S., Grandisar, M., & Suh, S. (2019). Risk factors and sleep intervention considerations in esports: A review and practical guide. *Sleep Medicine*, 10(2), 29-36.
- Borbely, A. (1982). A two process model of sleep regulation. *Human Neurobiology*, 1(3), 190-204.
- Borbely, A., Daan, S., & Deboer, T. (2016). A two process model of sleep regulation: A reappraisal. *Journal of Sleep Research*, 25(2), 131-142.
- Brager, A. (2010). Sleep as a forgotten piece of athletic performance: Public outreach to competitive fitness communities. In 2010 neuroscience meeting planner. Society for Neuroscience.
- Brager, A., & Mistovich, R. (2017). Game times and higher winning percentages of west coast teams of the National Football League correspond with reduced prevalence of regular season injury. *The Journal of Strength & Conditioning Research*, 31(2), 472-477.
- Brager, A., & Simonelli, G. (2020). Current state of sleep-related performance optimization interventions for the E-sports industry. *Neurosports*, 1(1), 1-8.
- Brager, A. J., Demiral, S., Choynowski, J., Kim, J., Campbell, B., Capaldi, V. F., Simonelli, G., & Hammer, S. (2020). Earlier shift in race pacing can predict future performance during a single-effort ultramarathon under sleep deprivation. *Sleep Science*, 13(1), 20-31.
- Brainard, G., Hanifin, J., Greeson, J., Byrne, B., Glickman, G., Gerner, E., et al. (2011). Action spectrum for melatonin regulation in humans: Evidence for a novel circadian photoreceptor. *Journal of Neuroscience*, 31(16), 6400-6410.
- Bullock, N., Martin, D., Ross, A., Rosemond, D., & Marino, F. (2007). Effect of long haul travel on maximal sprint performance and diurnal variations in elite skeleton athletes. *British Journal of Sports Medicine*, 41(9), 960-963.
- Burke, T., Lisman, P., Maguire, K., Skeiky, L., Choynowski, J., Capaldi, V., et al. (2020). Examination of sleep and injury among college football athletes. *The Journal of Strength & Conditioning Research*, 34(3), 696-711.
- Cain, S., Rimmer, D., Duffy, J., & Czeisler, C. (2007). Exercise distributed across day and night does not alter circadian period in humans. *Journal of Biological Rhythms*, 22(6), 1010-1018.
- Caldelas, I., Poirel, V., Sicard, B., Pvet, P., & Challet, E. (2013). Circadian profile and photic regulation of clock genes in the suprachiasmatic nucleus of a diurnal mammal *Arvicaptus ansorgei*. *Neuroscience*, 226(2), 583-591.
- Chamari, K., Briki, W., Farooq, A., Patrick, T., Belfekih, T., & Herrera, C. P. (2017). Impact of Ramadan intermittent fasting on cognitive function in trained cyclists: A pilot study. *Biology of Sport*, 34(1), 49-56.
- Chang, A., Bjornnes, A., Aeschbach, D., Buxton, O., Gooley, J., & Anderson, C. (2016). Circadian gene variants influence sleep and the sleep electroencephalogram in humans. *Chronobiology International*, 33(9), 1081-1090.
- Chase, J. D., Roberson, P. A., Saunders, M. J., Hargens, T. A., Womack, C. J., & Luden, N. D. (2017). One night of sleep restriction following heavy exercise impairs 3-km cycling time-trial performance in the morning. *Applied Physiology Nutrition and Metabolism*, 42(9), 909-915.

- Chen, Y., Lauren, S., Chang, B., & Shechter, A. (2018). Objective food intake in night and day shift workers: A laboratory study. *Clocks Sleep*, 1, 42e49.
- Chennaoui, M., Desgorges, F., Drogou, C., Boudjemaa, B., Tomaszewski, A., Depiesse, F., Burnat, P., Chalabi, H., & Gomez-Merino, D. (2009). Effects of Ramadan fasting on physical performance and metabolic, hormonal, and inflammatory parameters in middle-distance runners. *Applied Physiology Nutrition and Metabolism*, 34(4), 687e694.
- Coldwells, A., Atkinson, G., & Reilly, T. (1994). Sources of variation in back and leg dynamometry. *Ergonomics*, 37(1), 9e16.
- Consensus Conference Panel, Watson, N. F., Badr, M. S., Belenky, G., Bliwise, D. L., Buxton, O. M., Buysse, D., Dinges, D. F., Gangswich, J., Grandner, M., Kushida, C., Malhotra, R., Martin, J., Patel, S., Quan, S., & Tasali, E. (2010). Recommended amount of sleep for a healthy adult: A joint consensus statement of the American Academy of sleep medicine and sleep research society. *Journal of Clinical Sleep Medicine*, 11(7), 991e992.
- Coomans, C., van den Berg, S., Houben, T., Klinken, J., van den Berg, R., & Pronk, A. (2013). Detrimental effects of constant light exposure and high-fat diet on circadian energy metabolism and insulin sensitivity. *The FASEB Journal*, 27(4), 1221e1232.
- Czeisler, C., Duffy, J., Shanahan, T., Brown, E., Mitchell, J., Rimmer, D., et al. (1999). Stability, precision, and near 24-h period of the human circadian pacemaker. *Science*, 284(5423), 2172e2175.
- de Aquino Lemos, V., dos Santos, R. V. T., Lira, F. S., Rodrigues, B., Tufik, S., & de Mello, M. T. (2013). Can high altitude influence cytokines and sleep? *Mediators of Inflammation*, 2013.
- Dean, D., Forger, D., & Klerman, B. (2009). Taking the lag out of jet lag through model-based schedule design. *PLoS Computational Biology*, 5(5), Article e1000418.
- Diego, M., Lopez-Samanes, A., Munoz, J., Pallares, J., & Mora-Rodriguez, R. (2016). Circadian rhythm effect on neuromuscular performance in trained male players. *Journal of Sports Science*, 34(6), 647e654.
- Driver, H. S., & Taylor, S. R. (2000). Exercise and sleep. *Sleep Medicine Reviews*, 4(4), 387e402.
- Ehlen, J., Brager, A., Baggs, J., Pickney, L., Gray, C., DeBruyne, J., et al. (2017). Bmal1 in skeletal muscle regulates sleep. *Elife*, 6, Article e260007.
- Elliot, D. (2014). The doctor who coaches athletes on sleep. *The Atlantic*. Retrieved from <https://www.theatlantic.com/health/archive/2014/04/for-better-performance-athletes-need-sleep/361042/>.
- Facer-Childs, E., & Brandstetter, R. (2010b). Circadian phenotype composition is a major predictor of diurnal physical performance in teams. *Frontiers in Neurology*, 11, 1e14.
- Facer-Childs, E., & Brandstetter, R. (2010a). The impact of circadian phenotype and time since awakening on diurnal performance in athletes. *Current Biology*, 20(4), 518e522.
- Faraut, B., Boudjeltia, K. Z., Vanhamme, L., & Kerkhofs, M. (2012). Immune, inflammatory and cardiovascular consequences of sleep restriction and recovery. *Sleep Medicine Reviews*, 16(2), 137e149.
- Ferrarelli, F., Smith, R., Dentico, D., Reidner, B., Zennig, C., & Benca, R. (2013). Experienced mindfulness meditators exhibit higher parietal-occipital EEG gamma activity during NREM sleep. *PLoS One*, Article e0073417.
- Freitas, L. L. D. S. N., da Silva, F. F. R., de Araújo Andrade, H. H., Guerreiro, R. R. C., Viegas, F. F., de Mello, M. M. T., & Silva, A. A. (2020). Sleep debt favor skeletal muscle injuries in athletes: A promising hypothesis. *Medical Hypotheses*, Article 109837.
- Gabel, V., Reichert, C., Maris, M., Schmidt, C., Schlangen, L., Kolodyzhniy, V., et al. (2017). Differential impact in young and older individuals of blue-enriched white light on circadian physiology and alertness during sustained wakefulness. *Scientific Reports*, 7(1), 1e6.
- Gao, Q., Kou, T., Zhuang, B., Ren, Y., Dong, X., & Wang, Q. (2018). The association between vitamin D and sleep disorders: A systematic review and meta-analysis. *Nutrients*, 10(10), 1390.
- Goldberg, C., Tall, A., & Krumholz, S. (1984). Acute inhibition of hepatic lipase and increase in plasma lipoproteins after alcohol intake. *The Journal of Lipid Research*, 25, 714e720.

- Good, C., Brager, A., Capaldi, V., & Mysliwiec, V. (2020). Sleep in the United States military. *Neuropsychopharmacology*, 45, 170e191.
- Grone, B. (2011). Acute light exposure suppresses circadian rhythms in clock gene expression. *Journal of Biological Rhythms*, 26, 14e21.
- Guyon, A., Balbo, M., Morselli, L., Tasali, E., Leproult, R., L'Hermita-Baleriaux, M., et al. (2014). Adverse effects of two nights of sleep restriction on the hypothalamic-pituitary-adrenal axis in healthy men. *The Journal of Clinical Endocrinology and Metabolism*, 94(8), 2871e2878.
- Hammouda, O., Chtourou, H., Chaouachi, A., Chahed, H., Bellimem, H., Chamari, K., et al. (2013). Time-of-day effects on biochemical responses to soccer-specific endurance in elite Tunisian football players. *Journal of Sports Science*, 31(9), 1e10.
- Hansen, D., Ramakrishnan, S., Satterfield, B., Wesensten, N., Layton, M., Reifman, J., et al. (2019). Randomized, double-blind, placebo-controlled, crossover study of the effects of repeated-dose caffeine on neurobehavioral performance during 8 h of total sleep deprivation. *Psychopharmacology Series*, 237, 1313e1322.
- Hayasaka, S., Nakamura, Y., Kajii, E., Ide, M., Shibata, Y., Noda, T., et al. (2008). Effects of charcoal kiln saunas on psychological stress. *Complementary Therapies in Clinical Practice*, 14(2), 143e148.
- Heinzer, R., Saugy, J. J., Rupp, T., Tobback, N., Faiss, R., Bourdillon, N., Rubio, J. H., & Millet, G. P. (2016). Comparison of sleep disorders between real and simulated 3,600-m altitude. *Sleep*, 39(8), 1017e1023.
- Herrera, C. (2012). Total sleep time in Muslim football players is reduced during Ramadan: A pilot study on the standardized assessment of subjective sleep-wake patterns in athletes. *Journal of Sports Sciences*, 30(Suppl. 1), S10eS11.
- Holmes, A., Al-Bayat, S., Hilditch, C., & Bourgeois-Bougrine, S. (2012). Sleep and sleepiness during an ultra long-range flight operation between the Middle East and United States. *Accident Analysis & Prevention*, 46, 27e31.
- Holmes, B. (2012). NBA players are losing sleep over this season. *Los Angeles Times*. Retrieved from <https://www.latimes.com/sports/la-xpm-2012-ap-16-la-sp-nba-sleep-2012-04-16-story.html>
- Kalmbach, D., Arnedt, J., Song, P., Guille, C., & Sen, S. (2017). Sleep disturbance and short sleep as risk factors for depression and perceived medical errors in first-year residents. *Sleep*, 40(3), 1e7.
- Kjeldsen, J. S., Rosenkilde, M., Nielsen, S. W., Reichkender, M., Auerbach, P., Ploug, T., Stallknecht, B., Sjodin, A. M., & Chaput, J. P. (2012). Effect of different doses of exercise on sleep duration, sleep efficiency and sleep quality in sedentary, overweight men.
- Kline, C., Durstine, J., Davis, J., Moore, T., Devlin, T., Zielinski, M., et al. (2007). Circadian variation in swim performance. *Journal of Applied Physiology*, 102(2), 741e749.
- Knaier, R., Infanger, D., Niemyer, M., Cajochen, C., & Schmidt-Trucksäss, A. (2019). In athletes, the diurnal variations in maximum oxygen uptake are more than twice as large as the day-to-day variations. *Frontiers in Physiology*, 10, 219.
- Knutson, K., Spiegel, K., Penev, P., & Van Cauter, E. (2007). The metabolomics consequences of sleep deprivation. *Sleep Medicine Reviews*, 11(2), 173e178.
- Kox, M., van Eijk, L., Zwaag, J., van den Wildenberg, J., Sweep, F., & van der Hoeven, J. (2014). Voluntary activation of the sympathetic nervous system and attenuation of the innate immune response in humans. *Proceedings of the National Academy of Sciences*, 111(20), 12370e12375.
- Kudielka, B., Schommer, N., Hellhammer, D., & Kirschbaum, C. (2004). Acute HPA axis responses, heart rate, and mood changes to psychosocial stress (TSST) in humans at different times of day. *Psychoneuroendocrinology*, 29, 983e992.
- Kunutsor, S., Laukkanen, T., & Laukkanen, J. (2018). Longitudinal associations of sauna bathing with inflammation and oxidative stress: The KIH prospective cohort study. *Annals of Medicine*, 50(9), 437e442.
- Lamia, K. A., Storch, K. F., & Weitz, C. J. (2008). Physiological significance of a peripheral tissue circadian clock. *Proceedings of the National Academy of Sciences*, 105(39), 15172e15177.
- Lee, A., & Galvez, J. C. (2012). Jet lag in athletes. *Sport Health*, 4(3), 211e217.
- Lemmer, B., Kern, R. I., Nold, G., & Lohrer, H. (2002). Jet lag in athletes after eastward and westward time-zone transition. *Chronobiology International*, 19(4), 443e448.

Leproult, K., & Van Cauter, E. (2011b). Effect of 1 Week of sleep restriction on testosterone levels in young healthy men. *JAMA*, 306(21), 2373-2374.

Leproult, R., & Van Cauter, E. (2011a). Effect of 1 week of sleep restriction on testosterone levels in young healthy men. *JAMA*, 306(21), 2173-2174.

Lewy, A. (1983). Effects of light on human melatonin production and the human circadian system. *Progress in Neuro-Psychopharmacology & Biological Psychiatry*, 7(6), 606-72.

Lockley, S. (2007). Safety considerations for the use of blue-light blocking glasses in shift-workers. *Journal of Pineal Research*, 42(2), 210-211.

MacDonald, K., Lustig, K., Geniole, S., McCormick, C., & Cote, K. (2019). Sleep restriction alters reactive aggressive behavior and its relationship with sex hormones. *Aggressive Behavior*, 45(2), 190-201.

Martin, L., Nevill, A., & Thompson, K. (2007). Diurnal variation in swim performance remains irrespective of training once or twice daily. *International Journal of Sports Physiology and Performance*, 2(2), 195-200.

Mizutani, H., Tamagawa-Mineoka, R., Minami, Y., Yagita, K., & Katoh, N. (2017). Constant light exposure impairs immune tolerance development in mice. *Journal of Dermatological Science*, 46(1), 63-67.

Mora-Rodriguez, R., Pallares, J., Lopez-Gullon, J., Lopez-Samanes, A., Fernandez-Elias, V., & Ortega, J. (2010). Improvements on neuromuscular performance with caffeine ingestion depend on the time-of-day. *Journal of Science and Medicine in Sport*, 13(3), 338-342.

Montgomery, I., Trinder, J., Paxton, S., Fraser, G., & Meaney, M. (1980). Sleep disruption following a marathon. *The Journal of Sports Medicine and Physical Fitness*, 20(1e2), 69-74.

Mougin, F., Simon-Rigaud, M. L., Davenne, D., Renaud, A., Garnier, A., Kantelip, J. P., & Magnin, P. (1991). Effects of sleep disturbances on subsequent physical performance. *European Journal of Applied Physiology and Occupational Physiology*, 63(2), 176-182.

Mrosovsky, N., & Ralph, M. (1992). Phase response curve to anisomycin in tau mutant hamsters. *Experientia*, 48, 170-177.

Mrosovsky, N., Salmon, P., Menaker, M., & Ralph, M. (1992). Nonphotic phase shifting in hamster clock mutants. *Journal of Biological Rhythms*, 7, 1-6.

Murray, K., Godbole, S., Natarajan, L., Full, K., Hipp, J. A., Glanz, K., ... Kerr, J. (2017). The relations between sleep, time of physical activity, and time outdoors among adult women. *PLoS One*, 12(9), Article e0182122.

Myllmaki, T., Kyrolainen, H., Savolainen, K., Hokka, L., Jakonen, R., Juuti, T., et al. (2011). Effects of vigorous late-night exercise on sleep quality and cardiac autonomic activity. *Journal of Sleep Research*, 20(1), 11-22.

Nakao, T. (2018). The impact of night-shift work on platelet function in healthy medical staff. *Journal of Occupational Health*, 60, 323-332.

Nieman, D. C. (1994). Exercise, upper respiratory tract infection, and the immune system. *Medicine & Science in Sports & Exercise*, 26(2), 128-139.

Nutting, A., & Price, J. (2017). Time zones, game start times, and team performance: Evidence from the NBA. *Journal of Sports Economics*, 18(6), 471-488.

Oliver, S. J., Costa, R. J., Laing, S. J., Bilzon, J. L., & Walsh, N. P. (2009). One night of sleep deprivation decreases treadmill endurance performance. *European Journal of Applied Physiology*, 107(2), 100-111.

Omiya, K., Akashi, Y. J., Yoneyama, K., Osada, N., Tanabe, K., & Miyake, F. (2009). Heart-rate response to sympathetic nervous stimulation, exercise, and magnesium concentration in various sleep conditions. *International Journal of Sport Nutrition and Exercise Metabolism*, 19(2), 126-130.

Ortiz-Franco, M., Planells, E., Quintero, B., Acuna-Castroviejo, D., Rusanova, I., Escames, G., et al. (2017). Effect of melatonin supplementation on antioxidant status and DNA damage in high intensity trained athletes. *International Journal of Sports Medicine*, 38(14), 1117-1120.

Pallares, J., Lopez-Samanes, A., Moreno, J., Fernandez-Elias, V., Fernando Ortega, J., & Mora-Rodriguez, R. (2014). Circadian rhythm effects on neuromuscular and sprint swimming performance. *Journal of Biological Rhythms*, 29(1), 1-12.

- Plante, D., Trksak, G., Jensen, E., Penetar, D., Ravichandran, C., Riedner, B., et al. (2014). Gray matter-specific changes in brain bioenergetics after acute sleep deprivation: A <sup>31</sup>P magnetic resonance spectroscopy study at 3 tesla. *Sleep*, 37(12), 1919e1927.
- Qasrawi, S. O., Pandi-Perumal, S. R., & BaHammam, A. S. (2017). The effect of intermittent fasting during Ramadan on sleep, sleepiness, cognitive function, and circadian rhythm. *Sleep & Breathing. Schlaf & Atmung*, 21(3), 577e586. Qian, J.,
- Morris, C., Caputo, R., Garaulet M, M., & Scheer, F. (2018). Ghrelin is impacted by the endogenous circadian system and by circadian misalignment in humans. *International Journal of Obesity*, 42(1).
- Racinais, S., Connes, P., Bishop, D., Blanc, S., & Hue, O. (2010). Morning versus evening power output and repeated-sprint ability. *Chronobiology International*, 27(6), 1029e1039.
- Racinais, S., Hue, O., Hertogh, C., Damiani, M., & Blanc, S. (2014). Time-of-day effects in maximal anaerobic leg exercise in tropical environment: A first approach. *International Journal of Sports Medicine*, 35(03), 187e190.
- Rao, M. N., Neylan, T. C., Grunfeld, C., Mulligan, K., Schambelan, M., & Schwarz, J. M. (2010). Subchronic sleep restriction causes tissue-specific insulin resistance. *Journal of Clinical Endocrinology and Metabolism*, 100(4), 1664e1671.
- Roach, G. D., Schmidt, W. F., Aughey, R. J., Bourdon, P. C., Soria, R., Claros, J. C. J., Bucheit, M., Simpson, B. M., Hammond, K., Kley, M., Wachsmuth, N., Gore, C. J., & Sargent, C. (2013). The sleep of elite athletes at sea level and high altitude: A comparison of sea-level natives and highaltitude natives (ISA3600). *British Journal of Sports Medicine*, 47(Suppl. 1), i114ei120.
- Roberts, S. S. H., Teo, W. P., & Warmington, S. A. (2019). Effects of training and competition on the sleep of elite athletes: A systematic review and meta-analysis. *British Journal of Sports Medicine*, 53(8), 1370e1374.
- Roky, R., Chapotot, F., Hakkou, F., Bencheikroun, M. T., & Buguet, A. (2011). Sleep during Ramadan intermittent fasting. *Journal of Sleep Research*, 20(4), 319e327. <https://doi.org/10.1111/j.1360-2876.2011.01669.x>
- Scott, J. P., McNaughton, L. R., & Polman, R. C. (2006). Effects of sleep deprivation and exercise on cognitive, motor performance and mood. *Physiology and Behavior*, 87(2), 296e308.
- Scott, J. P. R., & McNaughton, L. R. (2004). Sleep deprivation, energy expenditure and cardiorespiratory function. *International Journal of Sports Medicine*, 25(06), 421e426.
- Shapiro, C. M., Bortz, R., Mitchell, D., Bartel, P., & Jooste, P. (1981). Slow-wave sleep: A recovery period after exercise. *Science*, 212(4526), 1203e1204.
- Singh, R., Cheong Hwa, O., Roy, J., Wen Jin, C., Musyrafah Ismail, S., Faizal Lan, M., Lean Hiong, L., & Aziz, A.-R. (2011). Subjective perception of sports performance, training, sleep and dietary patterns of Malaysian Junior Muslim athletes during Ramadan intermittent fasting. *Asian Journal of Sports Medicine*, 2(3), 167e176.
- Smith, R., Efron, B., Mah, C., & Malhotra, A. (2013). The impact of circadian misalignment on athletic performance in professional football players. *Sleep*, 36(12), 1999e2001.
- Smith, R., Guilleminault, C., & Efron, B. (1997). Circadian rhythms and enhanced athletic performance in the National Football League. *Sleep*, 20(5), 506e512.
- Souissi, M., Chtourou, H., Abdelmalek, S., Ghoulane, I. B., & Sahnoun, Z. (2014). The effects of caffeine ingestion on the reaction time and short-term maximal performance after 36 h of sleep deprivation. *Physiology and Behavior*, 131, 1e6.
- Souissi, N., Sesboüé, B., Gauthier, A., Larue, J., & Davenne, D. (2003). Effects of one night's sleep deprivation on anaerobic performance the following day. *European Journal of Applied Physiology*, 89(3e4), 309e316.
- Spiegel, K., Leproult, R., & Van Cauter, E. (1999). Impact of sleep debt on metabolic and endocrine function. *The Lancet*, 353(9188), 1373e1379.
- Stothard, E. R., et al. (2017). Circadian entrainment to the natural light-dark cycle across seasons and the weekend. *Current Biology*, 27, 508e513.
- Ralph, M., & Mrosovsky, N. (1992). Behavioral inhibition of circadian responses to light. *Journal of Biological Rhythms*, 7, 303e309.

Reebs, S., & Mrosovsky, N. (1996b). Effects of induced wheel running on the circadian activity rhythms of Syrian hamsters: Entrainment and phase response curve. *Journal of Biological Rhythms*, 11, 39-48.

Reebs, S., & Mrosovsky, N. (1996a). Large phase-shifts of circadian rhythms caused by induced running in a re-entrainment paradigm: The role of pulse duration and light. *Journal of Comparative Physiology*, 179, 819-829.

Reifman, J., Ramakrishnan, S., Liu, J., Kapela, A., Doty, T., et al. (2019). *YB-Alert App: A mobile application for real-time individualized prediction of alertness*. *Journal of Sleep Research*, 28(2), Article e12720.

Reilly, T., & Edwards, B. (2007). Altered sleep-wake cycles and physical performance in athletes. *Physiology and Behavior*, 90(2e3), 274-284.

Ritland, B., Simonelli, G., Gentili, R., Smith, J., He, X., Mantua, J., et al. (2019). Effects of sleep extension on cognitive/motor performance and motivation in military tactical athletes. *Sleep Medicine*, 28, 48-55.

Roane, B., Van Reen, E., Hart, C., Wing, R., & Carskadon, M. (2010). Estimating sleep from multisensory armband measurements: Validity and reliability in teens. *Journal of Sleep Research*, 19(6), 714-721. 222

Rudolf, K., Bickmann, P., Frobose, I., Tholl, C., Eschler, K., et al. (2020). Demographics and health behavior of video game and eSports players in Germany: The eSports study. *International Journal of Environmental Research and Public Health*, 17(6), 109.

Rupp, T., Acebo, C., & Carskadon, M. (2007). Evening alcohol suppresses salivary melatonin in young adults. *Chronobiology International*, 24(3), 106.

Scheer, F., Hu, K., Evoniuk, H., Kelly, E., Malhotra, A., Hilton, M., et al. (2010). Impact of the human circadian system, exercise, and their interaction on cardiovascular function. *Proceedings of the National Academy of Sciences*, 107(27), 12041-12046.

Schmidt, M., Swang, T., Hamilton, I., & Best, J. (2017). State-dependent metabolic partitioning and energy conservation: A theoretical framework for understanding the function of sleep. *PLoS One*, Article e190747.

Schultz, J. (2014). These famous athletes rely on sleep for peak performance. *Sports Illustrated*. Retrieved from [https://www.huffpost.com/entry/these-famous-athletes-rely-on-sleep\\_n-0609340](https://www.huffpost.com/entry/these-famous-athletes-rely-on-sleep_n-0609340)

Schwartz, M., Baskin, D., Kaiyala, K., & Woods, S. (1999). Model for the regulation of energy balance and adiposity by the central nervous system. *American Journal of Clinical Nutrition*, 69(4), 648-656.

Shan, Z. (2018). Rotating night shift work and adherence to unhealthy lifestyle in predicting risk of type 2 diabetes: Results from two large US cohorts of female nurses. *BMJ*, 363, k2611.

Shokri-Kojori, E., Wang, G., Wiers, C., Demiral, S., Guo, M., Kim, S., et al. (2018).  $\beta$ -Amyloid accumulation in the human brain after one night of sleep deprivation. *Proceedings of the National Academy of Sciences*, 115(17), 9483-9488.

Silveira, A., Alves, F., Teixeira, A., & Rama, L. (2020). Chronobiological effects on mountain biking performance. *International Journal of Environmental Research and Public Health*, 17(18), 6508-6516.

Smith, C., Cooper, A., Murello, D., Cohen, B., Heaton, K., & Claro, P. (2019). Sleep restriction and cognitive load affect performance on a simulated marksmanship task. *Journal of Sleep Research*, 28(3), Article e12737.

Smith, M., & Eastman, C. (2009). Phase delaying the human circadian clock with blue-enriched polychromatic light. *Chronobiology International*, 26(4), 502-510.

Song, A., Severini, T., & Allada, R. (2017). How jet lag impairs Major League Baseball performance. *Proceedings of the National Academy of Sciences*, 114(7), 1407-1412.

Souissi, N., Gauthier, A., Sesboue, B., Larue, J., & Davenne, D. (2004). Circadian rhythms in two types of anaerobic cycle leg exercise: Force velocity and 30 s wingate tests. *Physiology and Behavior*, 82(1), 14-19.

Southward, K., Rutherford-Markwick, K., & Ali, A. (2018). The effect of acute caffeine ingestion on endurance performance: A systematic review and meta-analysis. *Sports Medicine*, 48, 1913-1928.

- Spiegel, K., Leproult, R., Colecchia, E., L'Hermite-Baleriaux, M., Nie, Z., Copinschi, G., et al. (2018). Adaptation of the 24-h growth hormone profile to a state of sleep debt. *American Journal of Physiology - Regulatory, Integrative and Comparative Physiology*, 309(3), R847-R853.
- Tahara, Y. (2019). Entrainment of the mouse circadian clock by sub-acute physical and psychological stress. *Scientific Reports*, 9, Article 11417.
- Taheri, M., & Arabameri, E. (2012). The effect of sleep deprivation on choice reaction time and anaerobic power of college student athletes. *Asian Journal of Sports Medicine*, 3(1), 10.
- Tan, X., van Egmond, L., Cedernaes, J., & Benedict, C. (2020). The role of exercise-induced peripheral factors in sleep regulation. *Molecular Metabolism*, 12, Article 101096.
- Thun, E., Bjorvatn, B., Flo, E., Harris, A., & Pallesen, S. (2019). Sleep, circadian rhythms, and athletic performance. *Sleep Medicine Reviews*, 23, 1e9.
- Tian, H.-H., Aziz, A.-R., Png, W., Faizul Wahid, M., Yeo, D., & Png, A.-L. (2011). Effects of fasting during Ramadan month on cognitive function in Muslim athletes. *Asian Journal of Sports Medicine*, 2(3), 140-143.
- Toblin, R., Adrian, A., Hoge, C., & Adler, A. (2018). Energy drink use in U.S. Service members after deployment: Associations with mental health problems, aggression, and fatigue. *Military Medicine*, 183(11e12), 1e10.
- Torsvall, L., Åkerstedt, T., & Göran, L. (1984). Effects on sleep stages and EEG power density of different degrees of exercise in fit subjects. *Electroencephalography and Clinical Neurophysiology*, 69(4), 347-353.
- Trinder, J., Paxton, S. J., Montgomery, J., & Fraser, G. (1980). Endurance as opposed to power training: Their effect on sleep. *Psychophysiology*, 17(6), 668-672.
- Trivedi, M. S., Holger, D., Bui, A. T., Craddock, T. J., & Tartar, J. L. (2017). Short-term sleep deprivation leads to decreased systemic redox metabolites and altered epigenetic status. *PLoS One*, 12(7), Article e0181978.
- Vaara, J. P., Oksanen, H., Kyröläinen, H., Virmavirta, M., Koski, H., & Finni, T. (2018). 70-hour sleep deprivation affects submaximal but not maximal physical performance. *Frontiers in Physiology*, 9, 1437.
- Van Dongen, H., Maislin, G., Mullington, J., & Dinges, D. (2007). The cumulative cost of additional wakefulness: Dose-response effects on neurobehavioral functions and sleep physiology from chronic sleep restriction and total sleep deprivation. *Sleep*, 30(12), 1161-1176.
- van Leeuwen, W., Hublin, C., Sallinen, M., Härmä, M., Hirvonen, A., & Porkka-Heiskanen, T. (2010). Prolonged sleep restriction affects glucose metabolism in healthy young men. *International Journal of Endocrinology*, 2010, 1e0.
- Van Reen, E., Jenni, O., & Carskadon, M. (2006). Effects of alcohol on sleep and the sleep encephalogram in healthy young women. *Alcoholism: Clinical and Experimental Research*, 30(7), 974-981.
- Van Reen, E., Rupp, T., Acebo, C., Seifer, R., & Carskadon, M. (2013). Biphasic effects of alcohol as a function of circadian phase. *Sleep*, 36(1), 137-140.
- Van Reen, E., Tarokh, L., Rupp, T., Seifer, R., & Carskadon, M. (2011). Does timing of alcohol administration affect sleep? *Sleep*, 34(12), 1902-1906.
- Vetter, C. (2018). Night shift work, genetic risk, and type 2 diabetes in the UK biobank. *Diabetes Care*, 41, 1727-1731.
- Vital-Lopez, F., Ramakrishnan, S., Doty, T., Balkin, T., & Reifman, J. (2018). Caffeine dosing strategies to optimize alertness during sleep loss. *Journal of Sleep Research*, 27(0), Article e12711.
- Vitale, J. A., & Weydahl, A. (2017). Chronotype, physical activity, and sport performance: A systematic review. *Sports Medicine*, 47(9), 1809-1818.
- Vlahoyiannis, A., Aphas, G., Bogdanis, G. C., Sakkas, G. K., Andreou, E., & Giannaki, C. D. (2020). Deconstructing athletes' sleep: A systematic review of the influence of age, sex, athletic expertise, sport type, and season on sleep characteristics. *Journal of Sport and Health Science*, 10, 387-402.
- Wang, J. S., Lin, H. Y., Cheng, M. L., & Wong, M. K. (2007). Chronic intermittent hypoxia modulates eosinophil-and neutrophil-platelet aggregation and inflammatory cytokine secretion caused by strenuous exercise in men. *Journal of Applied Physiology*, 103(1), 300-314.

Waterhouse, J., Atkinson, G., Edwards, B., & Reilly, T. (۲۰۰۷). The role of a short post-lunch nap in improving cognitive, motor, and sprint performance in participants with partial sleep deprivation. *Journal of Sports Science*, ۲۵(۱۴), ۱e۵.

Waterhouse, J. A., Edwards, B., Nevill, A., Carvalho, S., Atkinson, G., Buckley, P., Reilly, T., Godfrey, R., & Ramsay, R. (۲۰۰۷a). Identifying some determinants of “jet lag” and its symptoms: A study of athletes and other travellers. *British Journal of Sports Medicine*, ۳۶(۱), ۵۴e۶۰.

Waterhouse, J., Edwards, B., Nevill, A., Carvalho, S., Atkinson, G., Buckley, P., et al. (۲۰۰۷b). Identifying some determinants of “jet lag” and its symptoms: A study of athletes and other travellers. *Brit. The Journal of Sports Medicine*, ۳۶(۱), ۱e۱۰.

Watson, A. M. (۲۰۱۷). Sleep and athletic performance. *Current Sports Medicine Reports*, ۱۶(۶), ۴۱۳e۴۱۸.

Weibel, L., Maccari, S., & Van Reeth, O. (۲۰۰۲). Circadian clock functioning is linked to acute stress reactivity in rats. *Journal of Biological Rhythms*, ۱۷, ۴۳۸e۴۴۶.

White, J., Padowski, J., Zhong, Y., Chen, G., Luo, S., Lazrus, P., et al. (۲۰۱۶). Pharmacokinetic analysis and comparison of caffeine administered rapidly or slowly in coffee chilled or hot versus chilled energy drink in healthy young adults. *Clinical Toxicology*, ۵۴(۴), ۱e۳.

Winter, W., Hammond, W., Green, N., Zhang, Z., & Bliwise, D. (۲۰۰۹). Measuring circadian advantage in major league baseball: A ۱۰-year retrospective study. *International Journal of Sports Physiology and Performance*, ۴(۳), ۳۹۴e۴۰۱.

Wirth, M. D., et al. (۲۰۱۷). Association of shiftwork and immune cells among police officers from the Buffalo cardio-metabolic occupational police stress study. *Chronobiology International*, ۳۴, ۲۲۱e۲۳۱.

Worthen, J., & Wade, C. (۱۹۹۹). Direction of travel and visiting team athletic performance: Support for circadian dysrhythmia hypothesis. *Journal of Sport Behavior*, ۲۲, ۲۷۹e۲۸۷.

Yamanaka, Y., Hashimoto, S., Takasu, N. N., Tanahashi, Y., Nishide, S. Y., Honma, S., & Honma, K. I. (۲۰۱۵). Morning and evening physical exercise differentially regulate the autonomic nervous system during nocturnal sleep in humans. *American Journal of Physiology - Regulatory, Integrative and Comparative Physiology*, ۳۰۹(۹), R۱۱۱۲eR۱۱۲۱.

Youngstedt, S. (۲۰۱۶). Circadian phase-shifting effects of bright light, exercise, and bright light þ exercise. *Journal of Circadian Rhythms*, ۱۴, ۲e۸.

Youngstedt, S., Elliott, J., & Kripke, D. (۲۰۱۹). Human circadian phase-response curves for exercise. *Journal of Physiology*, ۵۹۷(۸), ۲۲۵۳e۲۲۶۸.

Youngstedt, S., Kline, C., Elliott, J., Zielinski, M., Devlin, T., & Moore, T. (۲۰۱۶). Circadian phase-shifting effects of bright light, exercise, and bright light þ exercise. *Journal of Circadian Rhythms*, ۱۴(۲), ۱e۶. Zinchuk, V., & Zhadzko, D. (۲۰۱۲). Sauna effect on blood oxygen transport and prooxidant-antioxidant balance in athletes. *Medicina Sportiva*, ۸(۳), ۱۸۸۳e۱۸۸۹.

Zurawlew, M., Walsh, N., Fortes, M., & Potter, C. (۲۰۱۶). Post-exercise hot water immersion induces heat acclimation and improves endurance exercise performance in the heat. *Scandinavian Journal of Medicine & Science in Sports*, ۲۶(۷), ۷۴۵e۷۵۴

## منابع فصل سیزدهم

Ajjimaporn, A., Ramyarangsi, P., & Siripornpanich, V. (۲۰۲۰). Effects of a ۲۰-min nap after sleep deprivation on brain activity and soccer performance. *International Journal of Sports Medicine*, ۴۱(۱۴), ۱۰۰۹e۱۰۱۶.

Blanchfield, A. W., et al. (2018). The influence of an afternoon nap on the endurance performance of trained runners. *European Journal of Sport Science*, 18(9), 1177-1184.

Boukhris, O., et al. (2020). A 90 min daytime nap opportunity is better than 45 min for cognitive and physical performance. *International Journal of Environmental Research and Public Health*, 17(13), 4650.

Brotherton, E. J., et al. (2019). Effects of two nights partial sleep deprivation on an evening submaximal weightlifting performance; are 1 h power naps useful on the day of competition? *Chronobiology International: The Journal of Biological & Medical Rhythm Research*, 36(3), 407-426.

Daaloul, H., Souissi, N., & Davenne, D. (2019). Effects of napping on alertness, cognitive, and physical outcomes of karate athletes. *Medicine & Science in Sports & Exercise*, 51(2), 338-345.

Davies, D. J., Graham, K. S., & Chow, C. M. (2010). The effect of prior endurance training on nap sleep patterns. *International Journal of Sports Physiology and Performance*, 5(1), 86-94.

Dawson, D., Ferguson, S. A., & Vincent, G. E. (2020). Safety implications of fatigue and sleep inertia for emergency services personnel. *Sleep Medicine Reviews*, Article 101386.

Dinges, D. F. (1999). Napping patterns and effects in human adults. *Sleep and Alertness: Chronobiological, Behavioral, and Medical Aspects of Napping*, 171, 204.

Driller, M. W., & Argus, C. K. (2016). Flotation restricted environmental stimulation therapy and napping on mood state and muscle soreness in elite athletes: A novel recovery strategy? *Performance Enhancement and Health*, 8(2), 60-65.

Folkard, S., & Åkerstedt, T. (1992). A three-process model of the regulation of alertness-sleepiness. *Sleep, Arousal, and Performance*, 15, 27.

Fullagar, H. H., et al. (2016). Sleep, travel, and recovery responses of national footballers during and after long-haul international air travel. *International Journal of Sports Physiology and Performance*, 11(1), 86-90.

Groeger, J. A., et al. (2011). Effects of sleep inertia after daytime naps vary with executive load and time of day. *Behavioral Neuroscience*, 125(2), 202.

Gupta, L., Morgan, K., & Gilchrist, S. (2017). Does elite sport degrade sleep quality? A systematic review. *Sports Medicine*, 47(7), 1317-1333. 23.

Hammouda, O., et al. (2018). Diurnal napping after partial sleep deprivation affected hematological and biochemical responses during repeated sprint. *Biological Rhythm Research*, 49(6), 927-939.

Hilditch, C. J., Dorrian, J., & Banks, S. (2016). Time to wake up: Reactive countermeasures to sleep inertia. *Industrial Health*, 54(6), 948-951.

Jackson, M. L., et al. (2013). Deconstructing and reconstructing cognitive performance in sleep deprivation. *Sleep Medicine Reviews*, 17(3), 210-220.

Jones, M. J., et al. (2019). Evening electronic device use and sleep patterns in athletes. *Journal of Sports Sciences*, 37(8), 874-880.

Kölling, S., et al. (2019). Sleep-related issues for recovery and performance in athletes. *International Journal of Sports Physiology and Performance*, 14(2), 144-148.

Knechtle, B., et al. (2012). No improvement in race performance by naps in male ultra-endurance cyclists in a 700-km ultra-cycling race. *The Chinese Journal of Physiology*, 45(2).

Kovac, K., et al. (2020). Exercising caution upon waking can exercise reduce sleep inertia? *Frontiers in Physiology*, 11.

Lack, L., & Lushington, K. (1996). The rhythms of human sleep propensity and core body temperature. *Journal of Sleep Research*, 5(1), 1e11.

Lastella, M., et al. (2021). To nap or not to nap? A systematic review evaluating napping behavior in athletes and the impact on various measures of athletic performance. *Nature and Science of Sleep*, 13, 141e147.

Lastella, M., Memon, A. R., & Vincent, G. E. (2020). Global research output on sleep research in athletes from 1966 to 2019: A bibliometric analysis. *Clocks & Sleep*, 2(2), 99e119.

Lastella, M., et al. (2020). Sleep/wake behaviours of elite athletes from individual and team sports. *European Journal of Sport Science*, 10(2), 94e100.

Lovato, N., & Lack, L. (2010). The effects of napping on cognitive functioning. In *Progress in brain research* (pp. 100e116). Elsevier.

Mah, C. D., et al. (2018). Poor sleep quality and insufficient sleep of a collegiate student-athlete population. *Sleep Health*, 4(3), 201e207.

Matchock, R. L., & Mordkoff, J. T. (2014). Effects of sleep stage and sleep episode length on the alerting, orienting, and conflict components of attention. *Experimental Brain Research*, 232(3), 811e820.

Naitoh, P., & Angus, R. (1989). Napping and human function during prolonged work. *Sleep and Alertness; Chronobiological, Behavioral, and Medical Aspects of Napping*, 111e126.

O'Donnell, S., Beaven, C. M., & Driller, M. (2018). The influence of match-day napping in elite female netball athletes. *International Journal of Sports Physiology and Performance*, 13(9), 1143e1148.

Pelka, M., et al. (2017a). Acute effects of psychological relaxation techniques between two physical tasks. *Journal of Sports Sciences*, 35(3), 216e223.

Pelka, M., et al. (2017b). How does a short, interrupted recovery break affect performance and how is it assessed? A study on acute effects. *International Journal of Sports Physiology and Performance*, 12, S2-114eS2-121.

Petit, E., et al. (2014). A 20-min nap in athletes changes subsequent sleep architecture but does not alter physical performances after normal sleep or 2-h phase-advance conditions. *European Journal of Applied Physiology*, 114(2), 300e310.

Petit, E., et al. (2018). Effects of a 20-min nap post normal and jet lag conditions on P300 components in athletes. *International Journal of Sports Medicine*, 39(7), 1046e1056.

Roberts, S. S. H., Teo, W.-P., & Warmington, S. A. (2019). Effects of training and competition on the sleep of elite athletes: A systematic review and meta-analysis. *British Journal of Sports Medicine*, 53(8), 1330e1337.

Romdhani, M., et al. (2020). Improved physical performance and decreased muscular and oxidative damage with postlunch napping after partial sleep deprivation in athletes. *International Journal of Sports Physiology and Performance*, 15(6), 1443e1453.

Samuels, C. (۲۰۰۸). Sleep, recovery, and performance: The new frontier in high-performance athletics. *Neurologic Clinics*, ۲۶(۱), ۱۶۹e۱۸۰.

Sargent, C., Halson, S., & Roach, G. D. (۲۰۱۴). Sleep or swim? Early-Morning training severely restricts the amount of sleep obtained by elite swimmers. *European Journal of Sport Science*, ۱۴(Suppl. ۱), S۳۱۰eS۳۱۰.

Suppiah, H. T., et al. (۲۰۱۸). Effects of a short daytime nap on shooting and sprint performance in high-level adolescent athletes. *International Journal of Sports Physiology and Performance*, ۱۴(۱), ۷۶e۸۲.

Takahashi, M., & Arito, H. (۲۰۰۰). Maintenance of alertness and performance by a brief nap after lunch under prior sleep deficit. *Sleep*, ۲۳(۶), ۸۱۳.

Tamaki, M., et al. (۲۰۰۰). Restorative effects of a short afternoon nap (< ۳۰ min) in the elderly on subjective mood, performance and EEG activity. *Sleep Research Online*, ۳(۳), ۱۳۱e۱۳۹.

Tassi, P., & Muzet, A. (۲۰۰۰). Sleep inertia. *Sleep Medicine Reviews*, ۴(۴), ۳۴۱e۳۵۳. Taub, J., Hawkins, D., & Van de Castle, R. (۱۹۷۸). Temporal relationships of napping behavior to performance, mood states and sleep physiology. *Sleep Research*, ۷, ۱۶۴.

Thornton, H. R., et al. (۲۰۱۷). Effects of a ۲-week high-intensity training camp on sleep activity of professional rugby league athletes. *International Journal of Sports Physiology and Performance*, ۱۲(۷), ۹۲۸e۹۳۳.

Tietzel, A. J., & Lack, L. C. (۲۰۰۲). The recuperative value of brief and ultra-brief naps on alertness and cognitive performance. *Journal of Sleep Research*, ۱۱(۳), ۲۱۳e۲۱۸.

Trotti, L. M. (۲۰۱۷). Waking up is the hardest thing I do all day: Sleep inertia and sleep drunkenness. *Sleep Medicine Reviews*, ۳۰, ۷۶e۸۴.

Venter, R. E., Potgieter, J. R., & Barnard, J. G. (۲۰۱۰). The use of recovery modalities by elite South African team athletes. *South African Journal for Research in Sport, Physical Education and Recreation*, ۳۲(۱), ۱۳۳e۱۴۰.

Walsh, N. P., et al. (۲۰۲۱). Sleep and the athlete: Narrative review and ۲۰۲۱ expert consensus recommendations. *British Journal of Sports Medicine*, ۵۵(۷), ۳۵۶e۳۶۸.

Ye, L., et al. (۲۰۱۰). Napping in college students and its relationship with nighttime sleep. *Journal of American College Health*, ۶۳(۲), ۸۸e۹۷.

- Abt, G., & Readurn, P. (2000). Creatine: What does the research say? *Sports Coach*, 13(3), 22-28.
- Achten, J., Halson, S. L., Moseley, L., Rayson, M. P., Casey, A., & Jeukendrup, A. E. (2004). Higher dietary carbohydrate content during intensified running training results in better maintenance of performance and mood state. *Journal of Applied Physiology*, 96(4), 1331-1340.
- Adolphus, K., Lawton, C. L., Champ, C. L., & Dye, L. (2006). The effects of breakfast and breakfast composition on cognition in children and adolescents: A systematic review. *Advances in Nutrition*, 7(3), 290-295.
- Aedma, M., Timpmann, S., Lätt, E., & Ööpik, V. (2009). Short-term creatine supplementation has no impact on upper-body anaerobic power in trained wrestlers. *Journal of the International Society of Sports Nutrition*, 12(1), 40.
- Afaghi, A., O'Connor, H., & Chow, C. M. (2007). High-glycemic-index carbohydrate meals shorten sleep onset. *The American Journal of Clinical Nutrition*, 85(2), 426-430. Rodriguez, N. R., Di Marco, N. M., Langley, S., & American Dietetic Association; D. of Canada;
- American College of Sports Medicine. (2009). American college of sports medicine position stand. Nutrition and athletic performance. *Medicine and Science in Sports and Exercise*, 41, 999-1031.
- Andersen, L. P. H., Rosenberg, J., & Gögenur, I., III (2004). Perioperative melatonin: Not ready for prime time. *British Journal of Anaesthesia*, 112, 968.
- Antunes, L. C., Levandovski, R., Dantas, G., Caumo, W., & Hidalgo, M. P. (2000). Obesity and shift work: Chronobiological aspects. *Nutrition Research Reviews*, 13(1), 100-118.
- Arciero, P. J., Hannibal, NS 3rd, Nindl, B. C., et al. (2001). Comparison of creatine ingestion and resistance training on energy expenditure and limb blood flow. *Metabolism*, 50, 1429-1434.
- Arendt, J., Stone, B., & Skene, D. J. (2000). Sleep disruption in jet lag and other circadian rhythm disturbances. In M. H. Kryger, T. Roth, & W. C. Dement (Eds.), *Principles and practice of sleep medicine* (4th ed., pp. 699-712). Philadelphia, (PA), Edinburgh: Elsevier Saunders.
- Arendt, J. (2001). Approaches to the pharmacological management of jet lag. *Drugs*, 61(14), 1419-1431.
- Artioli, G. G., Gualano, B., Smith, A., Stout, J., & Lancha Jr, A. H. (2000). Role of beta-alanine supplementation on muscle carnosine and exercise performance. *Medicine and Science in Sports and Exercise*, 32(6), 1162-1167.
- Asatoor, A. M., Bandoh, J. K., Lant, A. F., Milne, M. D., & Navab, F. (1990). Intestinal absorption of carnosine and its constituent amino acids in man. *Gut*, 11(3), 200-204.
- Ashikawa, I., & Itoh, K. (1999). Raman spectra of polypeptides containing L-histidine residues and tautomerism of imidazole side chain. *Biopolymers: Original Research on Biomolecules*, 18(8), 1809-1817.
- Atkinson, G., Holder, A., Robertson, C., Gant, N., Drust, B., Reilly, T., & Waterhouse, J. (2000). Effects of melatonin on the thermoregulatory responses to intermittent exercise. *Journal of Pineal Research*, 29(4), 303-309.
- Auger, R. R., Burgess, H. J., Emens, J. S., Deriy, L. V., Thomas, S. M., & Sharkey, K. M. (2000). Clinical practice guideline for the treatment of intrinsic circadian rhythm sleep-wake

disorders: Advanced sleep-wake phase disorder (ASWPD), delayed sleep-wake phase disorder (DSWPD), non-24-hour sleep-wake rhythm disorder (N24SWD), and irregular sleep-wake rhythm disorder (ISWRD). An update for 2010: An American academy of sleep medicine clinical practice guideline. *Journal of Clinical Sleep Medicine*, 11(10), 1199e1236.

Auld, F., Maschauer, E. L., Morrison, I., Skene, D. J., & Riha, R. L. (2011). Evidence for the efficacy of melatonin in the treatment of primary adult sleep disorders. *Sleep Medicine Reviews*, 15, 10e22.

Aulinas, A. (2019). Physiology of the pineal gland and melatonin. In Endotext [internet]. MDText. com, Inc.

Baar, K., & McGee, S. L. (2008). Optimizing training adaptations by manipulating glycogen. *European Journal of Sport Science*, 8, 99e106.

Backhouse, S. H., Whitaker, L., & Petróczi, A. (2013). Gateway to doping? Supplement use in the context of preferred competitive situations, doping attitude, beliefs, and norms. *Scandinavian Journal of Medicine and Science in Sports*, 23(2), 244e252.

Baguet, A., Everaert, I., De Naeyer, H., Reyngoudt, H., Stegen, S., Beeckman, S., ... Taes, Y. (2011). Effects of sprint training combined with vegetarian or mixed diet on muscle carnosine content and buffering capacity. *European Journal of Applied Physiology*, 111(10), 2071e2080.

Bailey, D. M., Davies, B., Young, I. S., Hullin, D. A., & Seddon, P. S. (2001). A potential role for free radical-mediated skeletal muscle soreness in the pathophysiology of acute mountain sickness. *Aviation Space and Environmental Medicine*, 72(6), 613.

Barbagallo, M., Dominguez, L. J., Galioto, A., Ferlisi, A., Cani, C., Malfa, L., ... Paolisso, G. (2003). Role of magnesium in insulin action, diabetes and cardio-metabolic syndrome X. *Molecular Aspects of Medicine*, 24(1e3), 39e52.

Barkoukis, V., Lazuras, L., Lucidi, F., & Tsorbatzoudis, H. (2010). Nutritional supplement and doping use in sport: Possible underlying social cognitive processes. *Scandinavian Journal of Medicine and Science in Sports*, 20(6), e682e688.

Baron, K. G., Reid, K. J., Kern, A. S., & Zee, P. C. (2011). Role of sleep timing in caloric intake and BMI. *Obesity*, 19(7), 1374e1381.

Bartlett, J. D., Hawley, J. A., & Morton, J. P. (2010). Carbohydrate availability and exercise training adaptation: Too much of a good thing? *European Journal of Sport Science*, 10(1), 3e12.

Batrakova, M. A., & Rubtsov, A. M. (1997). Histidine-containing dipeptides as endogenous regulators of the activity of sarcoplasmic reticulum Ca-release channels. *Biochimica et Biophysica Acta (BBA)-Biomembranes*, 1324(1), 142e150.

Bazzucchi, I., Felici, F., Montini, M., Figura, F., & Sacchetti, M. (2011). Caffeine improves neuromuscular function during maximal dynamic exercise. *Muscle and Nerve*, 43(6), 839e844.

Becque, M. D., Lochmann, J. D., & Melrose, D. R. (2000). Effects of oral creatine supplementation on muscular strength and body composition. *Medicine and Science in Sports and Exercise*, 32, 604e608.

Begum, G., Cunliffe, A., & Leveritt, M. (2000). Physiological role of carnosine in contracting muscle. *International Journal of Sport Nutrition and Exercise Metabolism*, 10(5), 493e504.

Bell, P. G., Stevenson, E., Davison, G. W., & Howatson, G. (2016). The effects of montmorency tart cherry concentrate supplementation on recovery following prolonged, intermittent exercise. *Nutrients*, 8(7), 881.

Bellinger, P. M. (2018). b-Alanine supplementation for athletic performance: An update. *The Journal of Strength and Conditioning Research*, 32(7), 1901-1911.

Bellinger, P. M., Howe, S. T., Shing, C. M., & Fell, J. W. (2012). The effect of combined b-alanine and NaHCO<sub>3</sub> supplementation on cycling performance. *Medicine and Science in Sports and Exercise*, 44(8), 1505-1511.

Berg, C., Lappas, G., Wolk, A., Strandhagen, E., Torén, K., Rosengren, A., ... Lissner, L. (2009). Eating patterns and portion size associated with obesity in a Swedish population. *Appetite*, 52(1), 11-26.

Berkey, C. S., Rockett, H. R. H., Gillman, M. W., Field, A. E., & Colditz, G. A. (2003). Longitudinal study of skipping breakfast and weight change in adolescents. *International Journal of Obesity*, 27(10), 1208-1216.

Bex, T., Chung, W., Baguet, A., Stegen, S., Stautemas, J., Achten, E., & Derave, W. (2014). Muscle carnosine loading by beta-alanine supplementation is more pronounced in trained vs. untrained muscles. *Journal of Applied Physiology*, 116(2), 204-211.

Birch, R., Noble, D., & Greenhaff, P. L. (1994). The influence of dietary creatine supplementation on performance during repeated bouts of maximal isokinetic cycling in man. *European Journal of Applied Physiology and Occupational Physiology*, 69, 268-276.

Blancquaert, L., Baguet, A., Bex, T., et al. (2018). Changing to a vegetarian diet reduces the body creatine pool in omnivorous women, but appears not to affect carnitine and carnosine homeostasis: A randomised trial. *British Journal of Nutrition*, 119(7), 909-917.

Blancquaert, L., Everaert, I., Missinne, M., Baguet, A., Stegen, S., Volkaert, A., ... De Henauw, S. (2017). Effects of histidine and b-alanine supplementation on human muscle carnosine storage. *Medicine and Science in Sports and Exercise*, 49(3), 602-611.

Bliwise, D. L. (2006). Periodic leg movements in sleep and restless legs syndrome: Considerations in geriatrics. *Sleep Medicine Clinics*, 1(2), 273-277.

Boege, H. L., Bhatti, M. Z., & St-Onge, M. P. (2011). Circadian rhythms and meal timing: Impact on energy balance and body weight. *Current Opinion in Biotechnology*, 22, 1-7.

Boldyrev, A. A., Aldini, G., & Derave, W. (2013). Physiology and pathophysiology of carnosine. *Physiological Reviews*, 93.

Boldyrev, A. A. (2009). *Carnosine: Unraveled mystery of nature*. Moscow, Russia: IKAR.

Boldyrev, A. A., Dupin, A. M., Aya, B., Babizhaev, M., & Severin, S. E. (1997). The antioxidative properties of carnosine, a natural histidine containing dipeptide. *Biochemistry International*, 30(6), 1109-1113.

Botella, P., & Parra, A. (2013). Coffee increases state anxiety in males but not in females. *Human Psychopharmacology: Clinical and Experimental*, 28(2), 141-147.

Branch, J. D. (2003). Effect of creatine supplementation on body composition and performance: A meta-analysis. *International Journal of Sport Nutrition and Exercise Metabolism*, 13(2), 198-226.

Brandenberger, K. J., Ingalls, C. P., Rupp, J. C., & Doyle, J. A. (2018). Consumption of a 0-mg melatonin supplement does not affect 32,5-km cycling time trial performance. *The Journal of Strength and Conditioning Research*, 32(10), 2872e2877.

Brilla, L. R. (2012). Magnesium influence on stress and immune function in exercise. *Journal of Sports Medicine and Doping Studies*, 2(3), 1e3.

Brown, D., & Wyon, M. (2014). An international study on dietary supplementation use in dancers. *Medical Problems of Performing Artists*, 29(4), 229e234.

Brudnak, M. A. (2004). Creatine: Are the benefits worth the risk? *Toxicol Letters*, 150, 123e130. Brzezinski, A. (1997). Melatonin in humans. *New England Journal of Medicine*, 336(3), 186e190. <https://doi.org/10.1056/NEJM1997.116336.3.6>

Bubenik, G. A. (2001). Localization, physiological significance and possible clinical implication of gastrointestinal melatonin. *Biological Signals and Receptors*, 10(6), 300e366.

Buford, T. W., Kreider, R. B., Stout, J. R., et al. (2007). International society of sports nutrition position stand: Creatine supplementation and exercise. *Journal of the International Society of Sports Nutrition*, 4, 6.

Burke, L. M., Angus, D. J., Cox, G. R., et al. (2000). Effect of fat adaptation and carbohydrate restoration on metabolism and performance during prolonged cycling. *Journal of Applied Physiology*, 89, 2413e2421.

Burke, L. M., Hawley, J. A., Angus, D. J., et al. (2002). Adaptations to short-term high-fat diet persist during exercise despite high carbohydrate availability. *Medicine and Science in Sports and Exercise*, 34, 83e91.

Burke, L. M., & Hawley, J. A. (2002). Effects of short-term fat adaptation on metabolism and performance of prolonged exercise. *Medicine and Science in Sports and Exercise*, 34, 1492e1498.

Burke, L. M. (2010). Fueling strategies to optimize performance: Training high or training low? *Scandinavian Journal of Medicine and Science in Sports*, 20, 48e58.

Burke, L. M., Jeukendrup, A. E., Jones, A. M., & Mooses, M. (2019). Contemporary nutrition strategies to optimize performance in distance runners and race walkers. *International Journal of Sport Nutrition and Exercise Metabolism*, 29(2), 117e129.

Burke, L. M., Ross, M. L., Garvican-Lewis, L. A., Welvaert, M., Heikura, I. A., Forbes, S. G., ... Hawley, J. A. (2017). Low carbohydrate, high fat diet impairs exercise economy and negates the performance benefit from intensified training in elite race walkers. *The Journal of Physiology*, 590(9), 2780e2807.

Buscemi, N., Vandermeer, B., Hooton, N., Pandya, R., Tjosvold, L., Hartling, L., et al. (2006). Efficacy and safety of exogenous melatonin for secondary sleep disorders and sleep disorders accompanying sleep restriction: Meta-analysis. *British Medical Journal*, 332, 380.

Buscemi, N., Vandermeer, B., Hooton, N., Pandya, R., Tjosvold, L., Hartling, L., et al. (2009). The efficacy and safety of exogenous melatonin for primary sleep disorders: A metaanalysis. *Journal of General Internal Medicine*, 20(12), 1101e1108.

Butts, J., Jacobs, B., & Silvis, M. (2018). Creatine use in sports. *Sports health*, 10(1), 31e34.

Cahill, L. E., Chiuve, S. E., Mekary, R. A., Jensen, M. K., Flint, A. J., Hu, F. B., & Rimm, E. B. (2013). Prospective study of breakfast eating and incident coronary heart disease in a cohort of male US health professionals. *Circulation*, 128(4), 337e343.

Cain, S. W., Dennison, C. F., Zeitzer, J. M., Guzik, A. M., Khalsa, S. B., Santhi, N., Schoen, M. W., Czeisler, C. A., & Duffy, J. F. (2010). Sex differences in phase angle of entrainment and melatonin amplitude in humans. *Journal of Biological Rhythms*, 25(4), 288-296.

Casey, A., & Greenhaff, P. (2000). Does dietary creatine supplementation play a role in skeletal muscle metabolism and performance? *The American Journal of Clinical Nutrition*, 72, 607-611.

Cermak, N. M., & van Loon, L. J. (2013). The use of carbohydrates during exercise as an ergogenic aid. *Sports Medicine*, 43, 1139-1150.

Chaput, J. P. (2014). Sleep patterns, diet quality and energy balance. *Physiology and Behavior*, 134, 86-91.

Charest, J., & Grandner, M. A. (2010). Sleep and athletic performance: Impacts on physical performance, mental performance, injury risk and recovery, and mental health. *Sleep Medicine Clinics*, 10(1), 4-10.

Chasovnikova, L. V., Formazyuk, V. E., Sergienko, V. I., Boldyrev, A. A., & Severin, S. E. (1990). The antioxidative properties of carnosine and other drugs. *Biochemistry International*, 20(6), 1097-1103.

Cheikh, M., Hammouda, O., Gaamouri, N., Driss, T., Chamari, K., Cheikh, R. B., ... Souissi, N. (2018). Melatonin ingestion after exhaustive late-evening exercise improves sleep quality and quantity, and short-term performances in teenage athletes. *Chronobiology International*, 35(9), 1281-1293.

Chennaoui, M., Bougard, C., Drogou, C., Langrume, C., Miller, C., Gomez-Merino, D., & Vergnoux, F. (2016). Stress biomarkers, mood states, and sleep during a major competition: "success" and "failure" athlete's profile of high-level swimmers. *Frontiers in Physiology*, 7, 94.

Chollet, D., Franken, P., Raffin, Y., Henrotte, J. G., Widmer, J., Malafosse, A., & Tafti, M. (2001). Magnesium involvement in sleep: Genetic and nutritional models. *Behavior Genetics*, 31(2), 133-140.

Chollet, D., Franken, P., Raffin, Y., Malafosse, A., Widmer, J., & Tafti, M. (2000). Blood and brain magnesium in inbred mice and their correlation with sleep quality. *American Journal of Physiology - Regulatory, Integrative and Comparative Physiology*, 279(6), R2173-R2178.

Christensen, P. M., Shirai, Y., Ritz, C., & Nordsborg, N. B. (2017). Caffeine and bicarbonate for speed. A meta-analysis of legal supplements potential for improving intense endurance exercise performance. *Frontiers in Physiology*, 8, 240.

Chubanov, V., Gudermann, T., & Schlingmann, K. P. (2000). Essential role for TRPM7 in epithelial magnesium transport and body magnesium homeostasis. *Pflügers Archiv*, 331(1), 22-28.

Cinar, V., Nizamlioglu, M., Mogulkoc, R., & Baltaci, A. K. (2007). Effects of magnesium supplementation on blood parameters of athletes at rest and after exercise. *Biological Trace Element Research*, 110(3), 200-212.

Claudino, J. G., Mezêncio, B., Amaral, S., Zanetti, V., Benatti, F., Roschel, H., ... Serrão, J. C. (2014). Creatine monohydrate supplementation on lowerlimb muscle power in Brazilian elite soccer players. *Journal of the International Society of Sports Nutrition*, 11(1), 1-6.

Cleator, J., Abbott, J., Judd, P., Sutton, C., & Wilding, J. P. H. (2012). Night eating syndrome: Implications for severe obesity. *Nutrition and Diabetes*, 2(9), e44.

Close, G. L., Hamilton, D. L., Philp, A., Burke, L. M., & Morton, J. P. (2016). New strategies in sport nutrition to increase exercise performance. *Free Radical Biology and Medicine*, 98, 144-158.

Coker-Cranney, A., & Reel, J. J. (2010). Coach pressure and disordered eating in female collegiate athletes: Is the coach-athlete relationship a mediating factor? *Journal of Clinical Sport Psychology*, 4(3), 213-221.

Cook, C. J., Crewther, B. T., Kilduff, L. P., Drawer, S., & Gaviglio, C. M. (2011). Skill execution and sleep deprivation: Effects of acute caffeine or creatine supplementation—a randomized placebo-controlled trial. *Journal of the International Society of Sports Nutrition*, 8(1), 2.

Cooper, R., Naclerio, F., Allgrove, J., & Jimenez, A. (2012). Creatine supplementation with specific view to exercise/sports performance: An update. *Journal of the International Society of Sports Nutrition*, 9(1), 1-11.

Cordova, A., & Alvarez-Mon, M. (1996). Serum magnesium and immune parameters after maximal exercise in sportsmen. *Magnesium-Bulletin*, 18, 76-80.

Cordova, A. (1992). Changes in plasmatic and erythrocytic magnesium levels after high-intensity exercises in man. *Physiology and Behavior*, 52, 819-821.

Costa, R. J., Knechtle, B., Tarnopolsky, M., & Hoffman, M. D. (2019). Nutrition for ultramarathon running: Trail, track, and road. *International Journal of Sport Nutrition and Exercise Metabolism*, 29(2), 130-140.

Costill, D. L., Barnett, A., Sharp, R., Fink, W. J., & Katz, A. (1983). Leg muscle pH following sprint running. *Medicine and Science in Sports and Exercise*, 15(4), 320-329.

Crowley, S. J., Acebo, C., & Carskadon, M. A. (2007). Sleep, circadian rhythms, and delayed phase in adolescence. *Sleep Medicine*, 8(6), 602-612. Currie, A. (2010). Sport and eating disorders—understanding and managing the risks. *Asian Journal of Sports Medicine*, 1(2), 73.

Czeisler, C. A., Duffy, J. F., Shanahan, T. L., Brown, E. N., Mitchell, J. F., Rimmer, D. W., ... Dijk, D. J. (1999). Stability, precision, and near-24-hour period of the human circadian pacemaker. *Science*, 284(5423), 2177-2181.

Daniel, N. V., Zimberg, I. Z., Estadella, D., Garcia, M. C., Padovani, R. C., & Juzwiak, C. R. (2019). Effect of the intake of high or low glycemic index high carbohydrate-meals on athletes' sleep quality in pre-game nights. *Anais da Academia Brasileira de Ciências*, 91(1).

Dascombe, B. J., Karunaratna, M., Cartoon, J., Fergie, B., & Goodman, C. (2010). Nutritional supplementation habits and perceptions of elite athletes within a state-based sporting institute. *Journal of Science and Medicine in Sport*, 13(2), 274-280.

Del Coso, J., Muñoz, G., & Muñoz-Guerra, J. (2011). Prevalence of caffeine use in elite athletes following its removal from the World anti-doping agency list of banned substances. *Applied Physiology Nutrition and Metabolism*, 36(4), 500-506.

Demos, K. E., Sweet, L. H., Hart, C. N., McCaffery, J. M., Williams, S. E., Mailloux, K. A., ... Wing, R. R. (2017). The effects of experimental manipulation of sleep duration on neural response to food cues. *Sleep*, 40(11), Article zsx120.

Derave, W., Everaert, I., Beeckman, S., & Baguet, A. (2010). Muscle carnosine metabolism and b-alanine supplementation in relation to exercise and training. *Sports Medicine*, 40(3), 247-263.

Derave, W., Ozdemir, M. S., Harris, R. C., Pottier, A., Reyngoudt, H., Koppo, K., ... Achten, E. (2007). b-Alanine supplementation augments muscle carnosine content and attenuates fatigue

during repeated isokinetic contraction bouts in trained sprinters. *Journal of Applied Physiology*, 103(5), 1737e1743.

Desbrow, B., Biddulph, C., Devlin, B., Grant, G. D., Anoopkumar-Dukie, S., & Leveritt, M. D. (2012). The effects of different doses of caffeine on endurance cycling time trial performance. *Journal of Sports Sciences*, 30(2), 110e120.

Devries, M. C., & Phillips, S. M. (2014). Creatine supplementation during resistance training in older adults: a meta-analysis. *Medicine and Science in Sports and Exercise*, 46(6), 1194e1203.

Dmitrasinovic, G., Pesic, V., Stanc, D., Plecas-Solarovic, B., Dajak, M., & Ignjatovic, S. (2016). ACTH, cortisol and IL-1 $\beta$  Levels in athletes following magnesium supplementation. *Journal of Medical Biochemistry*, 30(4), 370e384.

Doherty, R., Madigan, S., Warrington, G., & Ellis, J. (2019). Sleep and nutrition interactions: Implications for athletes. *Nutrients*, 11(4), 822.

Drake, C., Roehrs, T., Shambroom, J., & Roth, T. (2013). Caffeine effects on sleep taken 1, 3, or 6 hours before going to bed. *Journal of Clinical Sleep Medicine*, 9(11), 1190e1200.

Dubocovich, M. L., Delagrange, P., Krause, D. N., Sugden, D., Cardinali, D. P., & Olcese, J. (2010). International union of basic and clinical pharmacology. LXXV. Nomenclature, classification, and pharmacology of G protein-coupled melatonin receptors. *Pharmacological Reviews*, 62(3), 343e380.

Dubocovich, M. L., & Markowska, M. (2000). Functional MT $\alpha$  and MT $\beta$  melatonin receptors in mammals. *Endocrine*, 22(2), 101e110.

Dubocovich, M. L. (1990). Melatonin receptors: Are there multiple subtypes? *Trends in Pharmacological Sciences*, 11(2), 00e06. [https://doi.org/10.1016/S0160-7147\(00\)88978-6](https://doi.org/10.1016/S0160-7147(00)88978-6)

Duncan, M. J., Stanley, M., Parkhouse, N., Cook, K., & Smith, M. (2013). Acute caffeine ingestion enhances strength performance and reduces perceived exertion and muscle pain perception during resistance exercise. *European Journal of Sport Science*, 13(4), 392e399.

Duncan, M. J., Taylor, S., & Lyons, M. (2012). The effect of caffeine ingestion on field hockey skill performance following physical fatigue. *Research in Sports Medicine*, 20(1), 20e37.

Dunican, I. C., Higgins, C. C., Jones, M. J., Clarke, M. W., Murray, K., Dawson, B., ... Eastwood, P. R. (2018). Caffeine use in a super rugby game and its relationship to post-game sleep. *European Journal of Sport Science*, 18(4), 013e023.

Dunican, I. C., Walsh, J., Higgins, C. C., Jones, M. J., Maddison, K., Caldwell, J. A., ... Eastwood, P. R. (2019). Prevalence of sleep disorders and sleep problems in an elite super rugby union team. *Journal of Sports Sciences*, 37(8), 900e907.

Dunnett, M., & Harris, R. C. (1999). Influence of oral  $\beta$ -alanine and L-histidine supplementation on the carnosine content of the gluteus medius. *Equine Veterinary Journal*, 31(S30), 499e004.

Dworak, M., Kim, T., McCarley, R. W., & Basheer, R. (2017). Creatine supplementation reduces sleep need and homeostatic sleep pressure in rats. *Journal of Sleep Research*, 26(3), 377e380.

Dworak, M., McCarley, R. W., Kim, T., Kalinchuk, A. V., & Basheer, R. (2010). Sleep and brain energy levels: ATP changes during sleep. *Journal of Neuroscience*, 30(26), 9007e9016.

Ebbeling, C. B., & Clarkson, P. M. (1999). Exercise-induced muscle damage and adaptation. *Sports Medicine*, 28(1), 207-234.

Elin, R. J. (1994). Magnesium: The fifth but forgotten electrolyte. *American Journal of Clinical Pathology*, 102(2), 616-622.

Erdman, J. W., MacDonald, I. A., & Zeisel, S. H. (Eds.). (2002). *Present knowledge in nutrition*. New York: John Wiley & Sons.

Escames, G., Ozturk, G., Baño-Otálora, B., Pozo, M. J., Madrid, J. A., Reiter, R. J., ... Acuña-Castroviejo, D. (2002). Exercise and melatonin in humans: Reciprocal benefits. *Journal of Pineal Research*, 32(1), 1-11.

Everaert, I., De Naeyer, H., Taes, Y., & Derave, W. (2003). Gene expression of carnosine-related enzymes and transporters in skeletal muscle. *European Journal of Applied Physiology*, 91(2), 116-124.

Fagundes, S. B., Fagundes, D. J., Carvalho, L. B., et al. (2001). Prevalence of restless legs syndrome in runners. *Sleep Medicine*, 23, A202.

Falkenberg, E., Aisbett, B., Lastella, M., Roberts, S., & Condo, D. (2000). Nutrient intake, meal timing and sleep in elite male Australian football players. *Journal of Science and Medicine in Sport*, 3.

Farjallah, M. A., Hammouda, O., Zouch, M., Ghattassi, K., Graja, A., Driss, T., ... Souissi, N. (2008). Effect of melatonin ingestion on physical performance, metabolic responses, and recovery after an intermittent training session. *Physiology International*, 10(2), 308-314.

Fernández-Landa, J., Fernández-Lázaro, D., Calleja-González, J., Caballero-García, A., Córdova Martínez, A., León-Guereño, P., & Mielgo-Ayuso, J. (2000). Effect of ten weeks of creatine monohydrate plus HMB supplementation on athletic performance tests in elite male endurance athletes. *Nutrients*, 12(1), 193.

Ficca, G., Axelsson, J., Mollicone, D. J., Muto, V., & Vitiello, M. V. (2000). Naps, cognition and performance. *Sleep Medicine Reviews*, 14(2), 249-258.

Firoz, M., & Graber, M. (2001). Bioavailability of US commercial magnesium preparations. *Magnesium Research*, 14(2), 207-212.

Forbes-Robertson, S., Dudley, E., Vadgama, P., Cook, C., Drawer, S., & Kilduff, L. (2002). Circadian disruption and remedial interventions. *Sports Medicine*, 32(3), 180-188.

Fraczek, B., et al. (2006). Prevalence of the use of effective ergogenic aids among professional athletes. *Roczniki Panstwowego Zakladu Higieny*, 57(3), 271-278.

Fredholm, B. B., Bättig, K., Holmén, J., Nehlig, A., & Zvartau, E. E. (1999). Actions of caffeine in the brain with special reference to factors that contribute to its widespread use. *Pharmacological Reviews*, 51(1), 83-133.

Froy, O. (2007). The relationship between nutrition and circadian rhythms in mammals. *Frontiers in Neuroendocrinology*, 28(2), 11-21.

Fulgoni, V. L., Keast, D. R., & Lieberman, H. R. (2000). Trends in intake and sources of caffeine in the diets of US adults: 2001-2006. *The American Journal of Clinical Nutrition*, 71(1), 108-117.

- Fulton, J. L., Dinas, P. C., Carrillo, A. E., Edsall, J. R., Ryan, E. J., & Ryan, E. J. (2018). Impact of genetic variability on physiological responses to caffeine in humans: A systematic review. *Nutrients*, 10(10), 1373.
- Garthe, I., & Maughan, R. J. (2018). Athletes and supplements: Prevalence and perspectives. *International Journal of Sport Nutrition and Exercise Metabolism*, 28(2), 126-138.
- Gavin, J. P., Myers, S. D., & Willems, M. E. (2010). Neuromuscular responses to mild-muscle damaging eccentric exercise in a low glycogen state. *Journal of Electromyography and Kinesiology*, 20(1), 0367.
- Getzin, A. R., Milner, C., & Harkins, M. (2017). Fueling the triathlete: Evidence-based practical advice for athletes of all levels. *Current Sports Medicine Reports*, 16, 24-28.
- Getzin, A. R., Milner, C., & LaFace, K. M. (2011). Nutrition update for the ultraendurance athlete. *Current Sports Medicine Reports*, 10, 33-39.
- Ghattassi, K., Graja, A., Hammouda, O., Chtourou, H., Boudhina, N., Chaouachi, A., & Souissi, N. (2014). Effect of nocturnal melatonin ingestion on short-term anaerobic performance in soccer players. *Biological Rhythm Research*, 40(6), 806-813.
- Ghattassi, K., Hammouda, O., Graja, A., Boudhina, N., Chtourou, H., Hadhri, S., ... Souissi, N. (2016). Morning melatonin ingestion and diurnal variation of short-term maximal performances in soccer players. *Acta Physiologica Hungarica*, 13(1), 91-94.
- Gibson, R. S. (2000). Principles of nutritional assessment. USA: Oxford university press.
- Gillette, M. U., & Mitchell, J. W. (2002). Signaling in the suprachiasmatic nucleus: Selectively responsive and integrative. *Cell and Tissue Research*, 309(1), 91-97.
- Gonglach, A. R., Ade, C. J., Bembem, M. G., Larson, R. D., & Black, C. D. (2016). Muscle pain as a regulator of cycling intensity: Effect of caffeine ingestion. *Medicine and Science in Sports and Exercise*, 48(2), 287-296.
- Gouttebauge, V., Castaldelli-Maia, J. M., Gorczynski, P., Hainline, B., Hitchcock, M. E., Kerkhoffs, G. M., ... Reardon, C. L. (2019). Occurrence of mental health symptoms and disorders in current and former elite athletes: A systematic review and meta-analysis. *British Journal of Sports Medicine*, 53(11), 1997-1006.
- Graham, T. E., & Spriet, L. L. (1991). Performance and metabolic responses to a high caffeine dose during prolonged exercise. *Journal of Applied Physiology*, 71(6), 2292-2298.
- Graham, T. E., & Spriet, L. (1990). Metabolic, catecholamine, and exercise performance responses to various doses of caffeine. *Journal of Applied Physiology*, 68(3), 876-883.
- Grandner, M. A., Chakravorty, S., Perlis, M. L., Oliver, L., & Gurubhagavatula, I. (2014). Habitual sleep duration associated with self-reported and objectively determined cardiometabolic risk factors. *Sleep Medicine*, 10(1), 46-51.
- Greenhaff, P. L., Casey, A., Short, A. H., Harris, R., Soderlund, K., & Hultman, E. (1993). Influence of oral creatine supplementation of muscle torque during repeated bouts of maximal voluntary exercise in man. *Clinical Science*, 85(5), 569-574.
- Greydanus, D. E., & Patel, D. R. (2010). Sports doping in the adolescent: The faustian conundrum of hors de Combat. *Pediatric Clinics*, 57(3), 496-501.

- Grgic, J. (2018). Caffeine ingestion enhances wingate performance: A meta-analysis. *European Journal of Sport Science*, 18(2), 219e220.
- Grgic, J., Grgic, I., Pickering, C., Schoenfeld, B. J., Bishop, D. J., & Pedisic, Z. (2020). Wake up and smell the coffee: Caffeine supplementation and exercise performance: an umbrella review of 21 published meta-analyses. *British Journal of Sports Medicine*, 54(11), 611e618.
- Grgic, J., & Pickering, C. (2019). The effects of caffeine ingestion on isokinetic muscular strength: A meta-analysis. *Journal of Science and Medicine in Sport*, 22(3), 303e306.
- Grgic, J., Trexler, E. T., Lazinec, B., & Pedisic, Z. (2018). Effects of caffeine intake on muscle strength and power: A systematic review and meta-analysis. *Journal of the International Society of Sports Nutrition*, 15(1), 11.
- Groeneveld, G. J., Beijer, C., Veldink, J. H., Kalmijn, S., Wokke, J. H. J., & Van Den Berg, L. H. (2009). Few adverse effects of long-term creatine supplementation in a placebo-controlled trial. *International Journal of Sports Medicine*, 30(12), 2073e2077.
- Grundy, A., Sanchez, M., Richardson, H., Tranmer, J., Borugian, M., Graham, C. H., & Aronson, K. J. (2009). Light intensity exposure, sleep duration, physical activity, and biomarkers of melatonin among rotating shift nurses. *Chronobiology International*, 26(7), 1433e1441.
- Gu, L., Gonzalez, F. J., Kalow, W., & Tang, B. K. (1992). Biotransformation of caffeine, paraxanthine, theobromine and theophylline by cDNA-expressed human CYP1A2 and CYP2E1. *Pharmacogenetics*, 2(2), 130e137.
- Guest, N., Corey, P., Vescovi, J., & El-Sohemy, A. (2018). Caffeine, CYP1A2 genotype, and endurance performance in athletes. *Medicine and Science in Sports and Exercise*, 50(8), 1570e1578.
- Guest, N. S., Horne, J., Vanderhout, S. M., & El-Sohemy, A. (2019). Sport nutrigenomics: Personalized nutrition for athletic performance. *Frontiers in Nutrition*, 7, 1.
- Guest, N. S., VanDusseldorp, T. A., Nelson, M. T., et al. (2021). International society of sports nutrition position stand: Caffeine and exercise performance. *Journal of the International Society of Sports Nutrition*, 18, 1. <https://doi.org/10.1186/s12942-020-00383-4>
- Gulewitsch, W. L., & Amiradzibi, S. (1900). Ueber das carnosin, eine neue organische base des fleischextractes. *Berichte der Deutschen Chemischen Gesellschaft*, 33(2), 1902e1903.
- Hall, M., & Trojian, T. H. (2013). Creatine supplementation. *Current Sports Medicine Reports*, 12(4), 240e244.
- Halson, S. L., Bridge, M. W., Meeusen, R., et al. (2002). Time course of performance changes and fatigue markers during intensified training in trained cyclists. *Journal of Applied Physiology*, 93, 947e956.
- Halson, S. L., Burke, L. M., & Pearce, J. (2019). Nutrition for travel: From jet lag to catering. *International Journal of Sport Nutrition and Exercise Metabolism*, 29(2), 227e230.
- Halson, S. L., Lancaster, G. I., Achten, J., Gleeson, M., & Jeukendrup, A. E. (2004). Effects of carbohydrate supplementation on performance and carbohydrate oxidation after intensified cycling training. *Journal of Applied Physiology*, 97(4), 1240e1243.
- Halson, S. L. (2014). Sleep in elite athletes and nutritional interventions to enhance sleep. *Sports Medicine*, 44(1), 13e23.

Hargreaves, M. (1999). Metabolic responses to carbohydrate ingestion: Effect on exercise performance. In D. R. Lamb, & R. Murray (Eds.), *Perspectives in exercise science and sports medicine*. Vol 12. The metabolic basis of performance in exercise and sport (pp. 93e124). Traverse City, MI: Cooper Publishing Company.

Harris, R. C., & Stellingwerff, T. (2013). Effect of b-alanine supplementation on high-intensity exercise performance. *Limits of Human Endurance*, 16, 11e11.

Harris, R. C., Tallon, M. J., Dunnett, M., Boobis, L., Coakley, J., Kim, H. J., ... Wise, J. A. (2006). The absorption of orally supplied b-alanine and its effect on muscle carnosine synthesis in human vastus lateralis. *Amino Acids*, 30(3), 279e289.

Harris, R. C., Wise, J. A., Price, K. A., Kim, H. J., Kim, C. K., & Sale, C. (2012). Determinants of muscle carnosine content. *Amino Acids*, 43(1), 9e12.

Hausenblas, H. A., & McNally, K. D. (2004). Eating disorder prevalence and symptoms for track and field athletes and nonathletes. *Journal of Applied Sport Psychology*, 16(3), 274e286.

Havenetidis, K. (2016). The use of creatine supplements in the military. *BMJ Military Health*, 162(4), 242e248.

Hawley, J. A., Tipton, K. D., & Millard-Stafford, M. L. (2006). Promoting training adaptations through nutritional interventions. *Journal of Sports Science*, 24, 909e921.

Hayashi, A. P., Solis, M. Y., Sapienza, M. T., Otaduy, M. C. G., de Sa Pinto, A. L., Silva, C. A., ... Gualano, B. (2014). Efficacy and safety of creatine supplementation in childhood-onset systemic lupus erythematosus: A randomized, double-blind, placebo-controlled, crossover trial. *Lupus*, 23(14), 1000e1011.

Heaney, S., O'Connor, H., Michael, S., Gifford, J., & Naughton, G. (2011). Nutrition knowledge in athletes: A systematic review. *International Journal of Sport Nutrition and Exercise Metabolism*, 21(3), 248e261.

Heggie, T. W. (2009). Traveling to Canada for the vancouver 2010 winter olympic and paralympic games. *Travel Medicine and Infectious Disease*, 9(4), 207e211.

Held, K., Antonijevic, I. A., Künzel, H., Uhr, M., Wetter, T. C., Golly, I. C., ... Murck, H. (2002). Oral Mg<sup>2+</sup> supplementation reverses age-related neuroendocrine and sleep EEG changes in humans. *Pharmacopsychiatry*, 30(4), 130e133.

Hermansen, L., & Osnes, J. B. (1972). Blood and muscle pH after maximal exercise in man. *Journal of Applied Physiology*, 32(3), 304e308.

Herxheimer, A. (2014). Jet lag. *BMJ Clinical Evidence*, 2014, 2303.

Herxheimer, A., & Petrie, K. J. (2011). Melatonin for preventing and treating jet lag. *Cochrane Database of Systematic Reviews*, (1), CD001020.

Herxheimer, A., & Petrie, K. J. (2012). Melatonin for the prevention and treatment of jet lag. *Cochrane Database of Systematic Reviews*, (2), CD001020.

Herxheimer, A., & Waterhouse, J. (2002). The prevention and treatment of jet lag. *BMJ*, 326, 296e297.

Hespe, P., & Derave, W. (2007). Ergogenic effects of creatine in sports and rehabilitation. *Subcellular Biochemistry*, 46, 240e209. <https://doi.org/10.1007/bi011646>

Hewlett, P., & Smith, A. (2007). Effects of repeated doses of caffeine on performance and alertness: New data and secondary analyses. *Human Psychopharmacology: Clinical and Experimental*, 22(6), 339e350.

Hickner, R., Dyck, D., Sklar, J., Hatley, H., & Byrd, P. (2010). Effect of 28 days of creatine ingestion on muscle metabolism and performance of a simulated cycling road race. *Journal of the International Society of Sports Nutrition*, 7, 26. <https://doi.org/10.1186/1550-2783-7-26>

Hill, C. A., Harris, R. C., Kim, H. J., Harris, B. D., Sale, C., Boobis, L. H., ... Wise, J. A. (2007). Influence of b-alanine supplementation on skeletal muscle carnosine concentrations and high intensity cycling capacity. *Amino Acids*, 32(2), 20e233.

Hipkiss, A. R., Brownson, C., Bertani, M. F., Ruiz, E., & Ferro, A. (2002). Reaction of carnosine with aged proteins: Another protective process? *Annals of the New York Academy of Sciences*, 909(1), 280e294.

Hodgson, A. B., Randell, R. K., & Jeukendrup, A. E. (2013). The metabolic and performance effects of caffeine compared to coffee during endurance exercise. *PLoS One*, 8(4), Article e69661.

Hoebert, M., Van Der Heijden, K. B., Van Geijlswijk, I. M., & Smits, M. G. (2009). Long-term follow-up of melatonin treatment in children with ADHD and chronic sleep onset insomnia. *Journal of Pineal Research*, 47(1), 1e7.

Hoffman, J. R., Ratamess, N. A., Faigenbaum, A. D., Ross, R., Kang, J., Stout, J. R., & Wise, J. A. (2008). Short-duration b-alanine supplementation increases training volume and reduces subjective feelings of fatigue in college football players. *Nutrition Research*, 28(1), 31e30.

Hornyak, M., Haas, P., Veit, J., Gann, H., & Riemann, D. (2004). Magnesium treatment of primary alcohol-dependent patients during subacute withdrawal: An open pilot study with polysomnography. *Alcoholism: Clinical and Experimental Research*, 28(11), 1707e1709.

Howatson, G., Bell, P. G., Tallent, J., Middleton, B., McHugh, M. P., & Ellis, J. (2012). Effect of tart cherry juice (*Prunus cerasus*) on melatonin levels and enhanced sleep quality. *European Journal of Nutrition*, 51(8), 909e916.

Howatson, G., McHugh, M. P., Hill, J. A., Brouner, J., Jewell, A. P., Van Someren, K. A., ... Howatson, S. A. (2010). Influence of tart cherry juice on indices of recovery following marathon running. *Scandinavian Journal of Medicine and Science in Sports*, 20(6), 837e842.

Huang, S. H., Johnson, K., & Pipe, A. L. (2006). The use of dietary supplements and medications by Canadian athletes at the Atlanta and Sydney olympic games. *Clinical Journal of Sport Medicine*, 16(1), 27e33.

Hulston, C. J., Venables, M. C., Mann, C. H., et al. (2010). Training with low muscle glycogen enhances fat metabolism in well-trained cyclists. *Medicine and Science in Sports and Exercise*, 42, 2047e2050.

Iacovides, S., Goble, D., Paterson, B., & Meiring, R. M. (2009). Three consecutive weeks of nutritional ketosis has no effect on cognitive function, sleep, and mood compared with a high-carbohydrate, low-fat diet in healthy individuals: A randomized, crossover, controlled trial. *The American Journal of Clinical Nutrition*, 110(2), 349e357.

Jager, R., et al. (2011). Analysis of the efficacy, safety, and regulatory status of novel forms of creatine. *Amino Acids*, 40(5), 1379e1383.

Jenkins, N. T., Trilk, J. L., Singhal, A., O'Connor, P. J., & Cureton, K. J. (2008). Ergogenic effects of low doses of caffeine on cycling performance. *International Journal of Sport Nutrition and Exercise Metabolism*, 18(3), 328-332.

Jeukendrup, A. (2013). The new carbohydrate intake recommendations. *Nestle Nutrition Institute Workshop Series*, 10, 63-71.

Jeukendrup, A. (2014). A step towards personalized sports nutrition: Carbohydrate intake during exercise. *Sports Medicine*, 44, S20-S23.

Jeukendrup, A. E. (2014a). Training the gut for athletes. *Sports Medicine*, 44(1), 1-11.

Jeukendrup, A. E. (2014b). Periodized nutrition for athletes. *Sports Medicine*, 44(1), 1-11.

Joborn, H., Akerstrom, G., & Ljunghall, S. (1980). Effects of exogenous catecholamines and exercise on plasma magnesium concentrations. *Clinical Endocrinology Oxford*, 12, 219-226.

Joy, E., Kussman, A., & Nattiv, A. (2016). 2016 update on eating disorders in athletes: A comprehensive narrative review with a focus on clinical assessment and management. *British Journal of Sports Medicine*, 50(3), 105-112.

Junior, A. H. L., de Salles Painelli, V., Saunders, B., & Artioli, G. G. (2010). Nutritional strategies to modulate intracellular and extracellular buffering capacity during high-intensity exercise. *Sports Medicine*, 40(1), 1-11.

Kahan, T., Hays, J., Hirashima, B., & Johnston, K. (2000). Effects of melatonin on dream bizarreness among male and female college students. *Sleep and Hypnosis*, 2(2), 5-13.

Kamimori, G. H., Karyekar, C. S., Otterstetter, R., Cox, D. S., Balkin, T. J., Belenky, G. L., & Eddington, N. D. (2002). The rate of absorption and relative bioavailability of caffeine administered in chewing gum versus capsules to normal healthy volunteers. *International Journal of Pharmaceutics*, 234(1-2), 109-117.

Kanter, M. (2014). High-quality carbohydrates and physical performance: Expert panel report. *Nutrition Today*, 49(1), 30.

Karasek, K., & Winczyk, K. (2006). Melatonin in humans. *Journal of Physiology and Pharmacology*, 57(5), 19-39.

Karimian, J., & Esfahani, P. S. (2011). Supplement consumption in body builder athletes. *Journal of Research in Medical Sciences: The Official Journal of Isfahan University of Medical Sciences*, 16(10), 13-17.

Kass, L. S., & Poeira, F. (2010). The effect of acute vs chronic magnesium supplementation on exercise and recovery on resistance exercise, blood pressure and total peripheral resistance on normotensive adults. *Journal of the International Society of Sports Nutrition*, 7(1), 19.

Kass, L. S., Skinner, P., & Poeira, F. (2013). A pilot study on the effects of magnesium supplementation with high and low habitual dietary magnesium intake on resting and recovery from aerobic and resistance exercise and systolic blood pressure. *Journal of Sports Science and Medicine*, 12(1), 1-4.

Kelly, V. G., Leveritt, M. D., Brennan, C. T., Slater, G. J., & Jenkins, D. G. (2011). Prevalence, knowledge and attitudes relating to b-alanine use among professional footballers. *Journal of Science and Medicine in Sport*, 14(1), 12-16.

Kilduff, L. P., Vidakovic, P., Cooney, G., et al. (2002). Effects of creatine on isometric bench-press performance in resistance-trained humans. *Medicine and Science in Sports and Exercise*, 34, 1176-1183.

Kim, J., Lee, N., Lee, J., Jung, S. S., Kang, S. K., & Yoon, J. D. (2013). Dietary supplementation of high-performance Korean and Japanese judoists. *International Journal of Sport Nutrition and Exercise Metabolism*, 23(2), 119-127.

King, D. E., Mainous III, A. G., Geesey, M. E., Egan, B. M., & Rehman, S. (2006). Magnesium supplement intake and C-reactive protein levels in adults. *Nutrition Research*, 26(5), 193-196.

Knapik, J. J., Steelman, R. A., Hoedebecke, S. S., Austin, K. G., Farina, E. K., & Lieberman, H. R. (2016). Prevalence of dietary supplement use by athletes: Systematic review and meta-analysis. *Sports Medicine*, 46(1), 103-123.

Kreher, J. B., & Schwartz, J. B. (2012). Overtraining syndrome: A practical guide. *Sports health*, 4(2), 128-138.

Kreider, R. B., Melton, C., Rasmussen, C. J., Greenwood, M., Lancaster, S., Cantler, E. C., ... Almada, A. L. (2003). Long-term creatine supplementation does not significantly affect clinical markers of health in athletes. *Molecular and Cellular Biochemistry*, 244(1-2), 90-104.

Krogh, A., & Lindhard, J. (1920). The relative value of fat and carbohydrate as sources of muscular energy. *Biochemical Journal*, 14, 290-373.

Kroshus, E., Wagner, J., Wyrick, D., Athey, A., Bell, L., Benjamin, H. J., ... Watson, N. F. (2019). Wake up call for collegiate athlete sleep: Narrative review and consensus recommendations from the NCAA interassociation task force on sleep and wellness. *British Journal of Sports Medicine*, 53(12), 231-237.

Kutsuma, A., Nakajima, K., & Suwa, K. (2014). Potential association between breakfast skipping and concomitant late-night-dinner eating with metabolic syndrome and proteinuria in the Japanese population. *Scientifica*, 2014.

López-Flores, M., Luque-Nieto, R., Moreira, O. C., Suárez-Iglesias, D., & Villa-Vicente, J. G. (2018). Effects of melatonin on sports performance: A systematic review. *JEP online*, 21, 121-138.

Laires, M. J., Monteiro, C. P., Matias, C. N., Santos, D. A., Silva, A. M., & Bicho, M. (2014). Magnesium status and exercise performance in athletes. *Trace Elements and Electrolytes*, 31(1).

Lamb, G. D., Recupero, E., & Stephenson, D. G. (1992). Effect of myoplasmic pH on excitation-contraction coupling in skeletal muscle fibres of the toad. *The Journal of Physiology*, 448(1), 211-224.

Lane, S. C., Camera, D. M., Lassiter, D. G., Areta, J. L., Bird, S. R., Yeo, W. K., ... Hawley, J. A. (2010). Effects of sleeping with reduced carbohydrate availability on acute training responses. *Journal of Applied Physiology*, 109(6), 743-750.

Lanthers, C., Pereira, B., Naughton, G., Trousselard, M., Lesage, F. X., & Dutheil, F. (2010). Creatine supplementation and lower limb strength performance: A systematic review and meta-analyses. *Sports Medicine*, 40(9), 1280-1294.

Lanthers, C., Pereira, B., Naughton, G., Trousselard, M., Lesage, F. X., & Dutheil, F. (2017). Creatine supplementation and upper limb strength performance: A systematic review and meta-analysis. *Sports Medicine*, 47(1), 163e173.

Lastella, M., Roach, G. D., Halson, S. L., & Sargent, C. (2016). The chronotype of elite athletes. *Journal of Human Kinetics*, 5(1), 219e220.

Lastella, M., Vincent, G. E., Duffield, R., Roach, G. D., Halson, S. L., Heales, L. J., & Sargent, C. (2018). Can sleep be used as an indicator of overreaching and overtraining in athletes? *Frontiers in Physiology*, 9, 436.

Lenney, J. F., Peppers, S. C., Kucera-Orallo, C. M., & George, R. P. (1980). Characterization of human tissue carnosinase. *Biochemical Journal*, 188(3), 603e610.

Lerner, A. B., Case, J. D., Takahashi, Y., Lee, T. H., & Mori, W. (1908). Isolation of melatonin, the pineal gland factor that lightens melanocyteS. *Journal of the American Chemical Society*, 30(10), 2087.

Lewy, A. J., Tetsuo, M., Markey, S. P., Goodwin, F. K., & Kopin, I. J. (1980). Pinealectomy abolishes plasma melatonin in the rat. *Journal of Clinical Endocrinology and Metabolism*, 50(1), 204e200.

Li, T., Jiang, S., Han, M., Yang, Z., Lv, J., Deng, C., ... Yang, Y. (2019). Exogenous melatonin as a treatment for secondary sleep disorders: A systematic review and meta-analysis. *Frontiers in Neuroendocrinology*, 52, 22e28.

Lindseth, G., Lindseth, P., & Thompson, M. (2013). Nutritional effects on sleep. *Western Journal of Nursing Research*, 36(4), 497e513.

Liu, Q., Sikand, P., Ma, C., Tang, Z., Han, L., Li, Z., ... Dong, X. (2012). Mechanisms of itch evoked by b-alanine. *Journal of Neuroscience*, 32(42), 14032e14037.

Lockley, S. W., Brainard, G. C., & Czeisler, C. A. (2003). High sensitivity of the human circadian melatonin rhythm to resetting by short wavelength light. *Journal of Clinical Endocrinology and Metabolism*, 88(9), 4002e4000.

Logan-Sprenger, H. M., Heigenhauser, G. J., Killian, K. J., & Spriet, L. L. (2012). Effects of dehydration during cycling on skeletal muscle metabolism in females. *Medicine and Science in Sports and Exercise*, 44(10), 1949e1957.

Logan-Sprenger, H. M., Heigenhauser, G. J., Jones, G. L., & Spriet, L. L. (2010). The effect of dehydration on muscle metabolism and time trial performance during prolonged cycling in males. *Physiological reports*, 3(8), Article e12483.

Lok, R., Zerbini, G., Gordijn, M. C. M., Beersma, D. G. M., & Hut, R. A. (2020). Gold, silver or bronze: Circadian variation strongly affects performance in olympic athletes. *Scientific Reports*, 10(1), 1e6.

Luboshitzky, R., Shen-Orr, Z. I. L. L. A., Nave, R., Lavi, S., & Lavie, P. (2002). Melatonin administration alters semen quality in healthy men. *Journal of Andrology*, 23(4), 572e578.

Lucas, R. J., Peirson, S. N., Berson, D. M., Brown, T. M., Cooper, H. M., Czeisler, C. A., ... Price, L. L. (2014). Measuring and using light in the melanopsin age. *Trends in Neurosciences*, 37(1), 1e9.

Lucassen, E. A., Zhao, X., Rother, K. I., Mattingly, M. S., Courville, A. B., De Jonge, L., ... Sleep Extension Study Group. (2013). Evening chronotype is associated with changes in eating

behavior, more sleep apnea, and increased stress hormones in short sleeping obese individuals. *PLoS One*, 18(3), Article e0260119.

Lukaski, H. C. (2001). Magnesium, zinc, and chromium nutrition and athletic performance. *Canadian Journal of Applied Physiology*, 26(S1), S13eS22.

Lukaski, H. C., & Nielsen, F. H. (2002). Dietary magnesium depletion affects metabolic responses during submaximal exercise in postmenopausal women. *The Journal of Nutrition*, 132(6), 930e936.

Lun, V., Erdman, K. A., Fung, T. S., & Reimer, R. A. (2012). Dietary supplementation practices in Canadian high-performance athletes. *International Journal of Sport Nutrition and Exercise Metabolism*, 22(1), 31e37.

Møller, M., & Baeres, F. M. (2002). The anatomy and innervation of the mammalian pineal gland. *Cell and Tissue Research*, 309(1), 139e150.

Ma, X., Idle, J. R., Krausz, K. W., & Gonzalez, F. J. (2005). Metabolism of melatonin by human cytochromes p450. *Drug Metabolism and Disposition*, 33(4), 489e494.

Macchi, M. M., & Bruce, J. N. (2004). Human pineal physiology and functional significance of melatonin. *Frontiers in Neuroendocrinology*, 25(3e4), 177e190. Magnesium-Fact Sheet for Health Professionals. Available online: <https://ods.od.nih.gov/factsheets/Magnesium-HealthProfessional>

Maki, K. C., Phillips-Eakley, A. K., & Smith, K. N. (2016). The effects of breakfast consumption and composition on metabolic wellness with a focus on carbohydrate metabolism. *Advances in Nutrition*, 7(3), 333e341S.

Markwald, R. R., Melanson, E. L., Smith, M. R., Higgins, J., Perreault, L., Eckel, R. H., & Wright, K. P. (2013). Impact of insufficient sleep on total daily energy expenditure, food intake, and weight gain. *Proceedings of the National Academy of Sciences*, 110(14), 5690e5695.

Marquet, L. A., Brisswalter, J., Louis, J., Tiollier, E., Burke, L. M., Hawley, J. A., & Hausswirth, C. (2016). Enhanced endurance performance by periodization of carbohydrate intake: “Sleep low” strategy. *Medicine and Science in Sports and Exercise*, 48, 167e172.

Marshall, N. S., Serinel, Y., Killick, R., Child, J. M., Raisin, I., Berry, C. M., ... Vedam, H. (2019). Magnesium supplementation for the treatment of restless legs syndrome and periodic limb movement disorder: A systematic review. *Sleep Medicine Reviews*, 48, Article 101218.

Martin, J. S., Hébert, M., Ledoux, É., Gaudreault, M., & Laberge, L. (2012). Relationship of chronotype to sleep, light exposure, and work-related fatigue in student workers. *Chronobiology International*, 29(3), 290e304.

Mastaloudis, A., Leonard, S. W., & Traber, M. G. (2001). Oxidative stress in athletes during extreme endurance exercise. *Free Radical Biology and Medicine*, 31(7), 911e922.

Matias, C. N., Santos, D. A., Monteiro, C. P., Silva, A. M., de Fátima Raposo, M., Martins, F., ... Lares, M. J. (2010). Magnesium and strength in elite judo athletes according to intracellular water changes. *Magnesium Research*, 23(3), 138e141.

Matthews, J. J., Artioli, G. G., Turner, M. D., & Sale, C. (2019). The physiological roles of carnosine and b-alanine in exercising human skeletal muscle. *Medicine and Science in Sports and Exercise*, 51.

Maughan, R. J., Burke, L. M., Dvorak, J., Larson-Meyer, D. E., Peeling, P., Phillips, S. M., ... Meeusen, R. (2018). IOC consensus statement: Dietary supplements and the high-performance athlete. *International Journal of Sport Nutrition and Exercise Metabolism*, 28(2), 105-120.

Maughan, R. J., Depiesse, F., & Geyer, H. (2007). The use of dietary supplements by athletes. *Journal of Sports Sciences*, 25(S1), S13-S18.

Mayhew, D. L., Mayhew, J. L., & Ware, J. S. (2002). Effects of long-term creatine supplementation on liver and kidney functions in American college football players. *International Journal of Sport Nutrition and Exercise Metabolism*, 12(2), 105-110.

McLellan, T. M., Kamimori, G. H., Voss, D. M., Tate, C., & Smith, S. J. (2007). Caffeine effects on physical and cognitive performance during sustained operations. *Aviation Space and Environmental Medicine*, 78(9), 881-887.

McMorris, T., Harris, R. C., Swain, J., Corbett, J., Collard, K., Dyson, R. J., ... Draper, N. (2006). Effect of creatine supplementation and sleep deprivation, with mild exercise, on cognitive and psychomotor performance, mood state, and plasma concentrations of catecholamines and cortisol. *Psychopharmacology*, 180(1), 93-103.

Meoli, A. L., Rosen, C., Kristo, D., Kohrman, M., Gooneratne, N., Aguillard, R. N., ... Hoban, T. (2009). Oral nonprescription treatment for insomnia: An evaluation of products with limited evidence. *Journal of Clinical Sleep Medicine*, 1(2), 133-140.

Mert, T., Gunes, Y., Guven, M., Gunay, I., & Ozcengiz, D. (2003). Effects of calcium and magnesium on peripheral nerve conduction. *Polish Journal of Pharmacology*, 55(1), 20-23.

Mildvan, A. S. (1987). Role of magnesium and other divalent cations in ATP-utilizing enzymes. *Magnesium*, 7(1), 28-33.

Miller, B., O'Connor, H., Orr, R., Ruell, P., Cheng, H. L., & Chow, C. M. (2012). Combined caffeine and carbohydrate ingestion: Effects on nocturnal sleep and exercise performance in athletes. *European Journal of Applied Physiology*, 112(12), 2029-2037. Ministero della Salute Italiano. Altre sostanze ad effetto nutritivo o fisiologico.

Mohd Azmi, N. A. S., Juliana, N., Mohd Fahmi Teng, N. I., Azmani, S., Das, S., & Effendy, N. (2020). Consequences of circadian disruption in shift workers on chrononutrition and their psychosocial well-being. *International Journal of Environmental Research and Public Health*, 17(7), 2043.

Momaya, A., Fawal, M., & Estes, R. (2010). Performance-enhancing substances in sports: A review of the literature. *Sports Medicine*, 40(2), 217-231.

Monteiro, C. P., et al. (2006). Effect of training and exercise intensity on magnesium status. In C. Alpoim, et al. (Eds.), *Metal ions in biology and medicine* (pp. 257-262). Paris: John Libbey Eurotext.

Musso, C. G. (2009). Magnesium metabolism in health and disease. *International Urology and Nephrology*, 41(2), 307-312. National Institutes of Health (US). Office of Medical Applications of Research. (December, 1994). Bioelectrical impedance analysis in body composition measurement: National Institutes of health technology assessment conference statement.

Nedelec, M., Aloulou, A., Duforez, F., Meyer, T., & Dupont, G. (2018). The variability of sleep among elite athletes. *Sports Medicine-Open*, 4(1), 34.

Nehlig, A. (2016). Effects of coffee/caffeine on brain health and disease: What should I tell my patients? *Practical Neurology*, 16(2), 89e90.

Newhouse, I. J., & Finstad, E. W. (2000). The effects of magnesium supplementation on exercise performance. *Clinical Journal of Sport Medicine*, 10(3), 190e200.

Nica, A. S., Caramoci, A., Vasilescu, M., Ionescu, A. M., Paduraru, D., & Mazilu, V. (2010). Magnesium supplementation in top athletes-effects and recommendations. *Sports Medicine Journal/Medicina Sportiva*, 11(1).

Nielsen, F. H., Johnson, L. K., & Zeng, H. (2010). Magnesium supplementation improves indicators of low magnesium status and inflammatory stress in adults older than 60 years with poor quality sleep.

Nielsen, F. H., & Lukaski, H. C. (2006). Update on the relationship between magnesium and exercise. Nieper, A. (2000). Nutritional supplement practices in UK junior national track and field athletes. *British Journal of Sports Medicine*, 39(9), 650e659. Nutrition business journal global supplement and nutrition industry report 2016.

Oike, H., Oishi, K., & Kobori, M. (2018). Nutrients, clock genes, and chrononutrition. *Current nutrition reports*, 3(3), 204e212.

Parnell, J. A., Wiens, K., & Erdman, K. A. (2010). Evaluation of congruence among dietary supplement use and motivation for supplementation in young, Canadian athletes. *Journal of the International Society of Sports Nutrition*, 12(1), 49.

Paul, M. A., Miller, J. C., Love, R. J., Lieberman, H., Blazeski, S., & Arendt, J. (2009). Timing light treatment for eastward and westward travel preparation. *Chronobiology International*, 26(0), 87e90.

Peeling, P., Castell, L. M., Derave, W., de Hon, O., & Burke, L. M. (2019). Sports foods and dietary supplements for optimal function and performance enhancement in track-and-field athletes. *International Journal of Sport Nutrition and Exercise Metabolism*, 29(2), 198e209.

Pendergast, F. J., Livingstone, K. M., Worsley, A., & McNaughton, S. A. (2016). Correlates of meal skipping in young adults: A systematic review. *International Journal of Behavioral Nutrition and Physical Activity*, 13(1), 120.

Perim, P., Marticorena, F. M., Ribeiro, F., Barreto, G., Gobbi, N., Kerksick, C. M., ... Saunders, B. (2019). Can the skeletal muscle carnosine response to beta-alanine supplementation be optimised? *Frontiers in Nutrition*, 6, 130.

Persky, A. M., & Brazeau, G. A. (2001). Clinical pharmacology of the dietary supplement creatine monohydrate. *Pharmacological Reviews*, 53(2), 161e176.

Persky, A. M., & Rawson, E. S. (2007). Safety of creatine supplementation. In *Creatine and creatine kinase in health and disease* (pp. 270e289). Dordrecht: Springer.

Petit, E., Bourdin, H., Tio, G., Yenil, O., Haffen, E., & Mouglin, F. (2018). Effects of a 20-min nap post normal and jet lag conditions on P300 components in athletes. *International Journal of Sports Medicine*, 39(07), 808e816.

Peuhkuri, K., Sihvola, N., & Korpela, R. (2012). Diet promotes sleep duration and quality. *Nutrition Research*, 32(0), 309e319.

Pickering, C., & Grgic, J. (2019). Caffeine and exercise: What next? *Sports Medicine*, 1e24.

Pickering, C., & Kiely, J. (2018). Are the current guidelines on caffeine use in sport optimal for everyone? Inter-Individual variation in caffeine ergogenicity, and a move towards personalised sports nutrition. *Sports Medicine*, 48(1), 1e16.

Pigeon, W. R., Carr, M., Gorman, C., & Perlis, M. L. (2010). Effects of a tart cherry juice beverage on the sleep of older adults with insomnia: A pilot study. *Journal of Medicinal Food*, 13(3), 079e083.

Pilegaard, H., Keller, C., Steensberg, A., et al. (2002). Influence of preexercise muscle glycogen content on exercise-induced transcriptional regulation of metabolic genes. *Journal of Physiology*, 041, 261e271.

Pluim, B. M., Ferrauti, A., Broekhof, F., Deutekom, M., Gotzmann, A., Kuipers, H., & Weber, K. (2006). The effects of creatine supplementation on selected factors of tennis specific training. *British Journal of Sports Medicine*, 40(6), 007e012.

Polito, M. D., Souza, D. B., Casonatto, J., & Farinatti, P. (2016). Acute effect of caffeine consumption on isotonic muscular strength and endurance: A systematic review and meta-analysis. *Science and Sports*, 31(3), 119e128.

Poortmans, J. R., Auquier, H., Renaut, V., Durussel, A., Saugy, M., & Brisson, G. R. (1997). Effect of short-term creatine supplementation on renal responses in men. *European Journal of Applied Physiology and Occupational Physiology*, 76(6), 066e077.

Poortmans, J. R., & Francaux, M. (1999). Long-term oral creatine supplementation does not impair renal function in healthy athletes. *Medicine and Science in Sports and Exercise*, 31(8), 1108e1110.

Portillo, J., Del Coso, J., & Abián-Vicén, J. (2017). Effects of caffeine ingestion on skill performance during an international female rugby sevens competition. *The Journal of Strength and Conditioning Research*, 31(12), 3301e3307.

Pot, G. K. (2018). Sleep and dietary habits in the urban environment: The role of chrononutrition. *Proceedings of the Nutrition Society*, 57(3), 189e198.

Potter, J. D., Robertson, S. P., & Johnson, J. D. (December 1981). Magnesium and the regulation of muscle contraction. *Federation Proceedings*, 40(12), 2603e2606.

Pritchard, N. R., & Kalra, P. A. (1998). Renal dysfunction accompanying oral creatine supplements. *Lancet*, 351(9111), 1202e1203.

Quinn, P. J., Boldyrev, A. A., & Formazuyk, V. E. (1992). Carnosine: Its properties, functions and potential therapeutic applications. *Molecular Aspects of Medicine*, 13(0), 379e444.

Quod, M. J., Martin, D. T., & Laursen, P. B. (2006). Cooling athletes before competition in the heat. *Sports Medicine*, 36, 671e682.

Radak, Z., Chung, H. Y., & Goto, S. (2000). Exercise and hormesis: Oxidative stress-related adaptation for successful aging. *Biogerontology*, 1(1), 1e70.

Rae, D. E., Chin, T., Dikgomo, K., Hill, L., McKune, A. J., Kohn, T. A., & Roden, L. C. (2017). One night of partial sleep deprivation impairs recovery from a single exercise training session. *European Journal of Applied Physiology*, 117(4), 699e712.

Ramos-Campo, D. J., Pérez, A., Ávila-Gandía, V., Pérez-Piñero, S., & Rubio-Arias, J.Á. (2019). Impact of caffeine intake on 800-m running performance and sleep quality in trained runners. *Nutrients*, 11(9), 2040.

Ranade, V. V., & Somberg, J. C. (2001). Bioavailability and pharmacokinetics of magnesium after administration of magnesium salts to humans. *American Journal of Therapeutics*, 1(5), 340e357.

Rayssiguier, Y., Guezennec, C. Y., & Durlach, J. (1990). New experimental and clinical data on the relationship between magnesium and sport. *Magnesium Research*, 3, 93e102.

Reardon, C. L., Hainline, B., Aron, C. M., Baron, D., Baum, A. L., Bindra, A., ... Derevensky, J. L. (2009). Mental health in elite athletes: International Olympic Committee consensus statement (2009). *British Journal of Sports Medicine*, 43(11), 767e769.

Reid, K. J., Baron, K. G., & Zee, P. C. (2014). Meal timing influences daily caloric intake in healthy adults. *Nutrition Research*, 34(11), 930e935.

Resina, A., Gatteschi, L., & Castellani, W. (1990). Effect of aerobic training and exercise on plasma and erythrocyte magnesium concentration. In C. V. Kies, & J. A. Driskell (Eds.), *Sports nutrition: minerals and electrolytes* (pp. 189e203). London: CRC Press. Rexroat, M. NCAA national study of substance use habits of college student-athletes. <https://www.ncaa.org/sites/default/files>

Reyes, C. M., & Cornelis, M. C. (2018). Caffeine in the diet: Country-level consumption and guidelines. *Nutrients*, 10(11), 1772.

Reyner, L. A., & Horne, J. A. (2013). Sleep restriction and serving accuracy in performance tennis players, and effects of caffeine. *Physiology and Behavior*, 120, 93e96.

Ribeiro, B. G., Morales, A. P., Sampaio-Jorge, F., de Souza Tinoco, F., de Matos, A. A., & Leite, T. C. (2017). Acute effects of caffeine intake on athletic performance: A systematic review and meta-analysis. *Revista Chilena de Nutricion*, 44(3), 283e291.

Ribeiro, J. A., & Sebastiao, A. M. (2010). Caffeine and adenosine. *Journal of Alzheimer's Disease*, 20(s1), S7eS10.

Rice, S. M., Gwyther, K., Santesteban-Echarri, O., Baron, D., Gorczynski, P., Goutteborge, V., ... Purcell, R. (2009). Determinants of anxiety in elite athletes: A systematic review and meta-analysis. *British Journal of Sports Medicine*, 43(11), 727e730.

Rivers, W. H. R., & Webber, H. N. (1907). The action of caffeine on the capacity for muscular work. *The Journal of Physiology*, 36(1), 33.

Rondanelli, M., Opizzi, A., Monteferrario, F., Antonello, N., Manni, R., & Klersy, C. (2011). The effect of melatonin, magnesium, and zinc on primary insomnia in long-term care facility residents in Italy: A double-blind, placebo-controlled clinical trial. *Journal of the American Geriatrics Society*, 59(1), 82e90.

Rosa, J. P., Rodrigues, D. F., Silva, A., de Moura Simim, M. A., Costa, V. T., Noce, F., & de Mello, M. T. (2016). Rio olympic games: Can the schedule of events compromise athletes' performance? *Chronobiology International*, 33(4), 430e440.

Ruddick-Collins, L. C., Johnston, J. D., Morgan, P. J., & Johnstone, A. M. (2008). The Big Breakfast Study: Chrono-nutrition influence on energy expenditure and bodyweight. *Nutrition Bulletin*, 33(2), 174e183.

Rude, R. K. (2010). Magnesium. In P. M. Coates, J. M. Betz, M. R. Blackman, G. M. Cragg, M. Levine, J. Moss, & J. D. White (Eds.), *Encyclopedia of dietary supplements* (2nd ed., pp. 277e337). New York, NY: Informa Healthcare.

Rude, R. K. (2012). Magnesium. In A. C. Ross, B. Caballero, R. J. Cousins, K. L. Tucker, & T. R. Ziegler (Eds.), *Modern nutrition in health and disease* (11th ed., pp. 109e-110). Baltimore, Mass: Lippincott Williams & Wilkins.

Sachse, C., Brockmüller, J., Bauer, S., & Roots, I. (1999). Functional significance of a C/A polymorphism in intron 1 of the cytochrome P450 CYP1A2 gene tested with caffeine. *British Journal of Clinical Pharmacology*, 47(4), 480e-489.

Sack, R. L., Auckley, D., Auger, R. R., et al. (2007). Circadian rhythm sleep disorders: Part I, basic principles, shift work and jet lag disorders. *An American academy of sleep medicine review. Sleep*, 30, 1470e-1483.

Sack, R. L. (2009). The pathophysiology of jet lag. *Travel Medicine and Infectious Disease*, 7(2), 102e-110.

Sale, C., Hill, C. A., Ponte, J., & Harris, R. C. (2012). b-alanine supplementation improves isometric endurance of the knee extensor muscles. *Journal of the International Society of Sports Nutrition*, 9(1), 26.

Sale, C., Artioli, G. G., Gualano, B., Saunders, B., Hobson, R. M., & Harris, R. C. (2013). Carnosine: From exercise performance to health. *Amino Acids*, 44(7), 1477e-1491.

Salomons, G. S., & Wyss, M. (Eds.). (2007). *Creatine and creatine kinase in health and disease*. Dordrecht, the Netherlands: Springer. <https://doi.org/10.1007/978-1-4020-6486-9>

Samuels, C. H. (2012). Jet lag and travel fatigue: A comprehensive management plan for sport medicine physicians and high-performance support teams. *Clinical Journal of Sport Medicine*, 22(3), 268e-273.

Satterfield, B. C., & Killgore, W. D. (2010). Habitual sleep duration predicts caloric and macronutrient intake during sleep deprivation. *Sleep Health*, 6(1), 14e-21.

Satterfield, B. C., Raikes, A. C., & Killgore, W. D. (2019). Rested-baseline responsivity of the ventral striatum is associated with caloric and macronutrient intake during one night of sleep deprivation. *Frontiers in Psychiatry*, 9, 249.

Saunders, B., de Salles Painelli, V., De Oliveira, L. F., da Eira Silva, V., Da Silva, R. P., Riani, L., ... Artioli, G. G. (2019a). Twenty-four weeks of balanine supplementation on carnosine content, related genes, and exercise. *Medicine and Science in Sports and Exercise*, 51(5), 896e-906.

Saunders, B., Elliott-Sale, K., Artioli, G. G., Swinton, P. A., Dolan, E., Roschel, H., ... Gualano, B. (2019b). b-Alanine supplementation to improve exercise capacity and performance: A systematic review and meta-analysis. *British Journal of Sports Medicine*, 53(8), 1486-1494.

Scheer, F. A., Hilton, M. F., Mantzoros, C. S., & Shea, S. A. (2009). Adverse metabolic and cardiovascular consequences of circadian misalignment. *Proceedings of the National Academy of Sciences*, 106(11), 4453e-4458.

Schröder, H., Terrados, N., & Tramullas, A. (2000). Risk assessment of the potential side effects of longterm creatine supplementation in team sport athletes. *European Journal of Nutrition*, 39(4), 200e-206.

Seabra, M. D. L. V., Bignotto, M., Pinto, J., L. R., & Tufik, S. (2000). Randomized, double-blind clinical trial, controlled with placebo, of the toxicology of chronic melatonin treatment. *Journal of Pineal Research*, 29(4), 193e-200.

Setaro, L., Santos-Silva, P. R., Nakano, E. Y., Sales, C. H., Nunes, N., Greve, J. M., & Colli, C. (2014). Magnesium status and the physical performance of volleyball players: Effects of magnesium supplementation. *Journal of Sports Sciences*, 32(9), 837-844.

Sharkey, K. M., & Eastman, C. I. (2012). Melatonin phase shifts human circadian rhythms in a placebo-controlled simulated night-work study. *American Journal of Physiology - Regulatory, Integrative and Comparative Physiology*, 293(7), R1505-R1511.

Shearman, M. (1994). *Athletics and football*. Green: Longmans.

Shen, J. G., Brooks, M. B., Cincotta, J., & Manjourides, J. D. (2019). Establishing a relationship between the effect of caffeine and duration of endurance athletic time trial events: A systematic review and meta-analysis. *Journal of Science and Medicine in Sport*, 22(7), 737-744.

Simoneau, J. A., & Bouchard, C. (1989). Human variation in skeletal muscle fiber-type proportion and enzyme activities. *American Journal of Physiology-Endocrinology And Metabolism*, 207(4), E676-E682.

Simonsen, J. C., Sherman, W. M., Lamb, D. R., Dernbach, A. R., Doyle, J. A., & Strauss, R. (1991). Dietary carbohydrate, muscle glycogen, and power output during rowing training. *Journal of Applied Physiology*, 70(4), 1000-1006.

Slater, G. J., Sygo, J., & Jorgensen, M. (2019). SPRINTING... Dietary approaches to optimize training adaptation and performance. *International Journal of Sport Nutrition and Exercise Metabolism*, 29(7), 806-814.

Smith, A. E., Walter, A. A., Graef, J. L., Kendall, K. L., Moon, J. R., Lockwood, C. M., ... Stout, J. R. (2019). Effects of b-alanine supplementation and high-intensity interval training on endurance performance and body composition in men; a double-blind trial. *Journal of the International Society of Sports Nutrition*, 16(1), 0.

Smith, J. E., Lawrence, A. D., Diukova, A., Wise, R. G., & Rogers, P. J. (2012). Storm in a coffee cup: Caffeine modifies brain activation to social signals of threat. *Social Cognitive and Affective Neuroscience*, 7(7), 831-841.

Smith, M. R., Coutts, A. J., Merlini, M., Deprez, D., Lenoir, M., & Marcora, S. M. (2016). Mental fatigue impairs soccer-specific physical and technical performance. *Medicine and Science in Sports and Exercise*, 48.

Sobal, J., & Marquart, L. F. (1994). Vitamin/mineral supplement use among athletes: A review of the literature. *International Journal of Sport Nutrition and Exercise Metabolism*, 4(4), 320-334.

Southward, K., Rutherford-Markwick, K. J., & Ali, A. (2018). The effect of acute caffeine ingestion on endurance performance: A systematic review and metaanalysis. *Sports Medicine*, 48(8), 1913-1928.

Spiegel, K., Tasali, E., Penev, P., & Van Cauter, E. (2004). Sleep curtailment in healthy young men is associated with decreased leptin levels, elevated ghrelin levels and increased hunger and appetite. *Annals of International Medical*, 141(11), 847-854.

Spriet, L. L. (2014). Exercise and sport performance with low doses of caffeine. *Sports Medicine*, 44(7), 1700-1714.

Spronk, I., Heaney, S. E., Prvan, T., & O'Connor, H. T. (2010). Relationship between general nutrition knowledge and dietary quality in elite athletes. *International Journal of Sport Nutrition and Exercise Metabolism*, 20(3), 243e251.

Srinivasan, V., Spence, W. D., Pandi-Perumal, S. R., Zakharia, R., Bhatnagar, K. P., & Brzezinski, A. (2009). Melatonin and human reproduction: Shedding light on the darkness hormone. *Gynecological Endocrinology*, 20(12), 119e120.

St-Onge, M. P., Ard, J., Baskin, M. L., Chiuve, S. E., Johnson, H. M., Kris-Etherton, P., & Varady, K. (2017). Meal timing and frequency: Implications for cardiovascular disease prevention: A scientific statement from the American heart association. *Circulation*, 135(9), e96e121.

St-Onge, M. P., Grandner, M. A., Brown, D., Conroy, M. B., Jean-Louis, G., Coons, M., & Bhatt, D. L. (2017a). Sleep duration and quality: Impact on lifestyle behaviors and cardiometabolic health: A scientific statement from the American heart association. *Circulation*, 135(18), e366e381.

St-Onge, M. P., Mikic, A., & Pietrolungo, C. E. (2017b). Effects of diet on sleep quality. *Advances in Nutrition*, 8(2), 138e144.

St-Onge, M. P., O'Keeffe, M., Roberts, A. L., RoyChoudhury, A., & Laferrère, B. (2012). Short sleep duration, glucose dysregulation and hormonal regulation of appetite in men and women. *Sleep*, 35(11), 1003e1010.

Stellingwerff, T. An update on beta-alanine supplementation for athletes. Stellingwerff, T., Spriet, L. L., Watt, M. J., et al. (2006). Decreased PDH activation and glycogenolysis during exercise following fat adaptation with carbohydrate restoration. *American Journal of Physiology*, 290, E380eE388.

Stellingwerff, T., Boit, M. K., & Res, P. T. (2007). Nutritional strategies to optimize training and racing in middle-distance athletes. *Journal of Sports Sciences*, 25(S1), S15eS28.

Stellingwerff, T., & Cox, G. R. (2013). Systematic review: Carbohydrate supplementation on exercise performance or capacity of varying durations. *Applied Physiology Nutrition and Metabolism*, 39(9), 998e1011.

Stellingwerff, T., Morton, J. P., & Burke, L. M. (2019). A framework for periodized nutrition for athletics. *International Journal of Sport Nutrition and Exercise Metabolism*, 29(2), 141e151.

Stout, J., Eckerson, J., Ebersole, K., et al. (2000). Effect of creatine loading on neuromuscular fatigue threshold. *Journal of Applied Physiology*, 88, 109e112.

Stout, J. R., Cramer, J. T., Mielke, M., O'kroy, J., Torok, D. J., & Zoeller, R. F. (2006). Effects of twenty-eight days of beta-alanine and creatine monohydrate supplementation on the physical working capacity at neuromuscular fatigue threshold. *The Journal of Strength and Conditioning Research*, 20(4), 928e931.

Stout, J. R., Cramer, J. T., Zoeller, R. F., Torok, D., Costa, P., Hoffman, J. R., ... O'kroy, J. (2007). Effects of b-alanine supplementation on the onset of neuromuscular fatigue and ventilatory threshold in women. *Amino Acids*, 32(3), 381e386.

Striegel-Moore, R. H., Rosselli, F., Wilson, G. T., Perrin, N., Harvey, K., & DeBar, L. (2000). Nocturnal eating: Association with binge eating, obesity, and psychological distress. *International Journal of Eating Disorders*, 23(6), 520e526.

Stunkard, A. J., Grace, W. J., & Wolff, H. G. (1900). The night-eating syndrome: A pattern of food intake among certain obese patients. *The American Journal of Medicine*, 19(1), 18e26.

Suarez, A., Pulido, N., Casla, A., Casanova, B., Arrieta, F. J., & Rovira, A. (1990). Impaired tyrosine-kinase activity of muscle insulin receptors from hypomagnesaemic rats. *Diabetologia*, 33(11), 1262-1267.

Sundgot-Borgen, J., Berglund, B., & Torstveit, M. K. (2003). Nutritional supplements in Norwegian elite athletes - impact of international ranking and advisors. *Scandinavian Journal of Medicine and Science in Sports*, 13(2), 136-144.

Suzuki, Y., Ito, O., Mukai, N., Takahashi, H., & Takamatsu, K. (2002). High level of skeletal muscle carnosine contributes to the latter half of exercise performance during 30-s maximal cycle ergometer sprinting. *The Japanese Journal of Physiology*, 52(2), 199-206.

Sweetman, S. C. (2011). *Martindale: The complete drug reference* (37th ed.). London, United Kingdom: Pharmaceutical Press.

Sygo, J., Glass, A. K., Killer, S. C., & Stellingwerff, T. (2016). Fueling for the field: Nutrition for jumps, throws, and combined events. *International Journal of Sport Nutrition and Exercise Metabolism*, 26(2), 90-100.

Tahara, Y., & Shibata, S. (2014). Chrono-biology, chrono-pharmacology, and chrono-nutrition. *Journal of Pharmacological Sciences*, 124(3), 320-330.

Tahara, Y., & Shibata, S. (2013). Chronobiology and nutrition. *Neuroscience*, 203, 146-148. Takaya, J., Higashino, H., & Kobayashi, Y. (2004). Intracellular magnesium and insulin resistance. *Magnesium Research*, 17(2), 126-136.

Tallon, M. J., Harris, R. C., Boobis, L. H., Fallowfield, J. L., & Wise, J. A. (2000). The carnosine content of vastus lateralis is elevated in resistance-trained bodybuilders. *The Journal of Strength and Conditioning Research*, 14(4), 720.

Thomas, D. T., Erdman, K. A., & Burke, L. M. (2016). Position of the academy of nutrition and dietetics, dietitians of Canada, and the American college of sports medicine: Nutrition and athletic performance. *Journal of the Academy of Nutrition and Dietetics*, 116(3), 501-528.

Thompson, C. H., Kemp, G. J., Sanderson, A. L., Dixon, R. M., Styles, P., Taylor, D. J., & Radda, G. K. (1996). Effect of creatine on aerobic and anaerobic metabolism in skeletal muscle in swimmers. *British Journal of Sports Medicine*, 30(3), 222-226.

Thorpy, M. J. (2012). Classification of sleep disorders. *Neurotherapeutics*, 9(4), 689-701.

Thorsteinsdottir, B., Grande, J. P., & Garovic, V. D. (2006). Acute renal failure in a young weight lifter taking multiple food supplements, including creatine monohydrate. *Journal of Renal Nutrition*, 16(4), 341-346.

Thosar, S. S., Herzig, M. X., Roberts, S. A., Berman, A. M., Clemons, N. A., McHill, A. W., ... Shea, S. A. (2018). Lowest perceived exertion in the late morning due to effects of the endogenous circadian system. *British Journal of Sports Medicine*, 52(10), 1111-1117.

Tipton, K. D., Jeukendrup, A. E., & Hespel, P. (2007). Nutrition for the sprinter. *Journal of Sports Sciences*, 25(S1), S6-S10.

Tobaldini, E., Costantino, G., Solbiati, M., Cogliati, C., Kara, T., Nobili, L., & Montano, N. (2017). Sleep, sleep deprivation, autonomic nervous system and cardiovascular diseases. *Neuroscience and Biobehavioral Reviews*, 74, 321-339.

Tordjman, S., Chokron, S., Delorme, R., Charrier, A., Bellissant, E., Jaafari, N., & Fougereou, C. (2017). Melatonin: Pharmacology, functions and therapeutic benefits. *Current*

Neuropharmacology, 10(3), 434e443. Touitou, Y. (1998). La mélatonine : Hormone et médicament. *Comptes Rendus Societe de Biologie*, 192, 643e657.

Trakman, G. L., Forsyth, A., Devlin, B. L., & Belski, R. (2016). A systematic review of athletes' and coaches' nutrition knowledge and reflections on the quality of current nutrition knowledge measures. *Nutrients*, 8(9), 1570.

Trexler, E. T., & Smith-Ryan, A. E. (2010). Creatine and caffeine: Considerations for concurrent supplementation. *International Journal of Sport Nutrition and Exercise Metabolism*, 20(6), 607e623.

Tuomilehto, H., Vuorinen, V. P., Penttilä, E., Kivimäki, M., Vuorenmaa, M., Venojärvi, M., ... Pihlajamäki, J. (2017). Sleep of professional athletes: Underexploited potential to improve health and performance. *Journal of Sports Sciences*, 35(1), 104e110.

Urry, E., & Landolt, H. P. (2014). Adenosine, caffeine, and performance: From cognitive neuroscience of sleep to sleep pharmacogenetics. In *In sleep, neuronal plasticity and brain function* (pp. 331e366). Berlin, Heidelberg: Springer.

Valcavi, R., Zini, M., Maestroni, G. J., Conti, A., & Portioli, I. (1993). Melatonin stimulates growth hormone secretion through pathways other than the growth hormone-releasing hormone. *Clinical Endocrinology*, 39(2), 193e199.

Valko, M., Leibfritz, D., Moncol, J., Cronin, M. T., Mazur, M., & Telser, J. (2007). Free radicals and antioxidants in normal physiological functions and human disease. *The International Journal of Biochemistry and Cell Biology*, 39(1), 104e117.

Van Cutsem, J., Marcora, S., De Pauw, K., Bailey, S., Meeusen, R., & Roelands, B. (2017). The effects of mental fatigue on physical performance: A systematic review. *Sports Medicine*, 47(8), 1069e1088.

Van Dongen, H., Maislin, G., Mullington, J. M., & Dinges, D. F. (2007). The cumulative cost of additional wakefulness: Dose-response effects on neurobehavioral functions and sleep physiology from chronic sleep restriction and total sleep deprivation. *Sleep*, 30(12), 1761e1767.

Van Geijlswijk, I. M., Korzilius, H. P. L. M., & Smits, M. G. (2010). The use of exogenous melatonin in delayed sleep phase disorder: A meta-analysis. *Journal of Sleep*, 33(12), 1600e1614.

Van, R. T., Van, K. P., Vanden, B. E., Puype, J., Lefere, T., & Hespel, P. (2009). Beta-alanine improves sprint performance in endurance cycling. *Medicine and Science in Sports and Exercise*, 41(4), 894e903.

Van Thuyne, W., Roels, K., & Delbeke, F. T. (2000). Distribution of caffeine levels in urine in different sports in relation to doping control. *International Journal of Sports Medicine*, 21(09), 914e918.

Vanata, D. F., Mazzino, N., Bergosh, R., & Graham, P. (2014). Caffeine improves sprint-distance performance among Division II collegiate swimmers. *The Sport Journal*, 17. 268

Varanoske, A. N., Hoffman, J. R., Church, D. D., Coker, N. A., Baker, K. M., Dodd, S. J., ... Stout, J. R. (2017). b-Alanine supplementation elevates intramuscular carnosine content and attenuates fatigue in men and women similarly but does not change muscle l-histidine content. *Nutrition Research*, 48, 170e200.

Vassalle, C., Pingitore, A., De Giuseppe, R., Vigna, L., & Bamonti, F. (2010). Biomarkers Part II: Biomarkers to estimate bioefficacy of dietary/supplemental antioxidants in sport. In M. Lamprecht (Ed.), *Antioxidants in sport nutrition*. CRC Press/Taylor & Francis.

Vitale, K., & Getzin, A. (2019). Nutrition and supplement update for the endurance athlete: Review and recommendations. *Nutrients*, 11(6), 1289.

Volpe, S. L. (2010). Magnesium and the athlete. *Current Sports Medicine Reports*, 13(4), 279-283.

Wade, A. G., Crawford, G., Ford, I., McConnachie, A., Nir, T., Laudon, M., & Zisapel, N. (2011). Prolonged release melatonin in the treatment of primary insomnia: Evaluation of the age cut-off for short-and long-term response. *Current Medical Research and Opinion*, 27(1), 89-94.

Walker, J. (1999). Creatine: Biosynthesis, regulation, and function. *Advances in Enzyme*, 20, 117. Waring, R. H. (2004). Report on absorption of magnesium sulfate (Epsom salts) across the skin uploaded to the magnesium web site on January 10. <http://www.mgwater.com/>.

Warren, G. L., Park, N. D., Maresca, R. D., McKibans, K. I., & Millard-Stafford, M. L. (2010). Effect of caffeine ingestion on muscular strength and endurance: A meta-analysis. *Medicine and Science in Sports and Exercise*, 42(7), 1306-1317.

Watkins, K., & Josling, P. D. (2010). A pilot study to determine the impact of transdermal magnesium treatment on serum levels and whole body Ca/Mg ratios. *Nutr. Pract*, 15, 1e7.

Werneke, U., Turner, T., & Priebe, S. (2006). Complementary medicines in psychiatry: Review of effectiveness and safety. *British Journal of Psychiatry*, 188, 196-201.

Wiens, K., Erdman, K. A., Stadnyk, M., & Parnell, J. A. (2014). Dietary supplement usage, motivation, and education in young, Canadian athletes. *International Journal of Sport Nutrition and Exercise Metabolism*, 24(6), 613-622.

Wierniuk, A., & Wlodarek, D. (2013). Estimation of energy and nutritional intake of young men practicing aerobic sports. *Roczniki Państwowego Zakładu Higieny*, 74(7).

Wilder, N., Deivert, R. G., Hagerman, F., & Gilders, R. (2011). The effects of low-dose creatine supplementation versus creatine loading in collegiate football players. *Journal of Athletic Training*, 26(2), 124.

Williams, J., Abt, G., & Kilding, A. E. (2014). Effects of creatine monohydrate supplementation on simulated soccer performance. *International Journal of Sports Physiology and Performance*, 9(3), 303-310.

Williams, M. H., & Branch, J. D. (1998). Creatine supplementation and exercise performance: An update. *Journal of the American College of Nutrition*, 17, 216-234.

Wirz-Justice, A., Werth, E., Renz, C., et al. (2002). No evidence for a phase delay in human circadian rhythms after a single morning melatonin administration. *Journal of Pineal Research*, 22(1), 1e9.

Womack, C. J., Saunders, M. J., Bechtel, M. K., Bolton, D. J., Martin, M., Luden, N. D., et al. (2012). The influence of a CYP1A2 polymorphism on the ergogenic effects of caffeine. *Journal of the International Society of Sports Nutrition*, 9(1), 7.

World Anti-Doping Agency. (2019). What is Prohibited. Available online : <https://www.wada-ama.org/en/questions-answers/prohibited-list-qa>. (Accessed 10 June 2020).

Wu, T., Sun, L., ZhuGe, F., Guo, X., Zhao, Z., Tang, R., ... Fu, Z. (۲۰۱۱). Differential roles of breakfast and supper in rats of a daily three-meal schedule upon circadian regulation and physiology. *Chronobiology International*, ۲۸(۱۰), ۸۹۰e۹۰۳.

Wurtman, R. J., & Axelrod, J. (۱۹۶۰). The pineal gland. *Scientific American*, ۲۱۳(۱), ۰۰e۶۳.

Xie, Z., Chen, F., Li, W. A., Geng, X., Li, C., Meng, X., ... Yu, F. (۲۰۱۷). A review of sleep disorders and melatonin. *Neurological Research*, ۳۹(۶), ۰۰۹e۰۶۰.

Yeo, W. K., Paton, C. D., Garnham, A. P., et al. (۲۰۰۸). Skeletal muscle adaptation and performance responses to once a day versus twice every second day endurance training regimens. *Journal of Applied Physiology*, ۱۰۰, ۱۴۶۲e۱۴۷۰.

Yousaf, F., Seet, E., Venkatraghavan, L., Abrishami, A., & Chung, F. (۲۰۱۰). Efficacy and safety of melatonin as an anxiolytic and analgesic in the perioperative period: A qualitative systematic review of randomized trials. *Anesthesiology*, ۱۱۳, ۹۶۸e۹۷۶.

Zani, A., Rossi, B., Borriello, A., & Mecacci, L. (۱۹۸۴). Diurnal interindividual differences in the habitual activity pattern of top level athletes. *The Journal of Sports Medicine and Physical Fitness*, ۲۴(۴), ۳۰۷e۳۱۰.

Zerón-Ruggerio, M. F., Hernández, Á., Porrás-Loaiza, A. P., Cambras, T., & Izquierdo-Pulido, M. (۲۰۲۰). Erratum: Eating jet lag: A marker of the variability in meal timing and its association with body mass index. *Nutrients*, ۱۲(۳), ۸۱۶.

Zhang, Y., Xun, P., Wang, R., Mao, L., & He, K. (۲۰۱۷). Can magnesium enhance exercise performance? *Nutrients*, ۹(۹), ۹۴۶.

Ziegenfuss, T. N., Rogers, M., Lowery, L., Mullins, N., Mendel, R., Antonio, J., & Lemon, P. (۲۰۰۲). Effect of creatine loading on anaerobic performance and skeletal muscle volume in NCAA division I athletes. *Nutrition*, ۱۸(۰), ۳۹۷e۴۰.

## منابع فصل پانزدهم

Åkerstedt, T. (۲۰۱۴). Using mathematical models to predict sleepiness. In *Sleepiness and human impact assessment* (pp. ۶۳e۶۹). Springer.

Arendt, J., & Skene, D. J. (۲۰۰۰). Melatonin as a chronobiotic. *Sleep Medicine Reviews*, ۹(۱), ۲۰e۳۹. Arendt, J. (۲۰۰۹). Managing jet lag: Some of the problems and possible new solutions. *Sleep Medicine Reviews*, ۱۳(۴), ۲۴۹e۲۰۶.

Barnes, M. J. (۲۰۱۴). Alcohol: Impact on sports performance and recovery in male athletes. *Sports Medicine*, ۴۴(۷), ۹۰۹e۹۱۹.

Berry, R. B., Brooks, R., Gamaldo, C. E., Harding, S. M., Lloyd, R. M., Marcus, C. L., Vaughn, B. V., & Academy of Sleep Medicine. (۲۰۱۰). *The AASM manual for the scoring of sleep and associated events: Rules, terminology and technical specifications V۲,۲*. Darien, Illinois: American Academy of Sleep Medicine.

Borbely, A. A. (۱۹۸۲). A two process model of sleep regulation. *Human Neurobiology*, ۱(۳), ۱۹۰e۲۰۴.

- Burgess, H. J., et al. (1997). Sleep and circadian influences on cardiac autonomic nervous system activity. *American Journal of Physiology*, 273(Pt 2), H1761eH1768.
- Caldwell, J. A., Jr., & Caldwell, J. L. (1998). Comparison of the effects of zolpidem-induced prophylactic naps to placebo naps and forced rest periods in prolonged work schedules. *Sleep*, 21(1), 79e90.
- Caldwell, J. L., et al. (2003). Improving daytime sleep with temazepam as a countermeasure for shift lag. *Aviation Space & Environmental Medicine*, 74(2), 103e113.
- Cardinali, D. P., et al. (2002). A multifactorial approach employing melatonin to accelerate resynchronization of sleep-wake cycle after a 12 time-zone westerly transmeridian flight in elite soccer athletes. *Journal of Pineal Research*, 32(1), 1e16.
- Culpepper, L., & Wingertzahn, M. A. (2010). Over-the-counter agents for the treatment of occasional disturbed sleep or transient insomnia: A systematic review of efficacy and safety. *The Primary Care Companion for CNS Disorders*, 12(6).
- Dean, D. A., et al. (2007). Developing mathematical models of neurobehavioral performance for the "Real World". *Journal of Biological Rhythms*, 22.
- Dean, D. A., II, Forger, D. B., & Klerman, E. B. (2009). Taking the lag out of jet lag through model-based schedule design. *PLoS Computational Biology*, 5(6), e1000418.
- Diaz, M. M., et al. (2013). The relationship between the cortisol awakening response, mood states and performance. *The Journal of Strength & Conditioning Research*, 27(5), 1340e1348.
- Dooley, M., & Plosker, G. L. (2000). Zaleplon: A review of its use in the treatment of insomnia. *Drugs*, 60(2), 133e140.
- Duffy, J. F., & Czeisler, C. A. (2009). Effect of light on human circadian physiology. *Sleep Medicine Clinics*, 4(2), 106e117.
- Dunican, I. C., et al. (2019a). Prevalence of sleep disorders and sleep problems in an elite super rugby union team. *Journal of Sports Sciences*, 37(8), 900e907.
- Dunican, I. C., et al. (2019b). Sleep patterns and alertness in an elite super rugby team during a game week. *Journal of Human Kinetics*, 77, 111e121.
- Eagles, J. M. (2011). Chronotherapeutics for affective disorders: A clinician's manual for light and wake therapy. In A. Wirz-Justice, F. Benedetti, & M. Terman (Eds.). 198(2) pp. 111e117). Karger, 2009. US\$48,00 (pb). 116 pp. ISBN: 9783800091201. *British Journal of Psychiatry*.
- Edwards, B. J., Robertson, C. M., & Waterhouse, J. M. (2014). Practical considerations for team travel, the lifestyle of elite athletes, travel fatigue and coping with jet lag. *The Science of Rugby*, 106.
- Edwards, S., et al. (2001a). Association between time of awakening and diurnal cortisol secretory activity. *Psychoneuroendocrinology*, 26(6), 613e622.
- Edwards, S., et al. (2001b). Exploration of the awakening cortisol response in relation to diurnal cortisol secretory activity. *Life Sciences*, 68(18), 2093e2103.
- Fletcher, D. A. (2001). A quantitative model of work-related fatigue: Background and definition. *Ergonomics*, 44(2), 144e163.
- Foster, R. G., & Kreitzman, L. (2014). The rhythms of life: What your body clock means to you. *Experimental Physiology*, 99(4), 699e706.
- Fowler, P., et al. (2010). Effects of northbound long-haul international air travel on sleep quantity and subjective jet lag and wellness in professional Australian soccer players. *International Journal of Sports Physiology and Performance*, 10(5), 648e654.
- Fowler, P. M., et al. (2016). Effects of long-haul transmeridian travel on subjective jet-lag and self-reported sleep and upper respiratory symptoms in professional rugby league players. *International Journal of Sports Physiology and Performance*.
- Fowler, P. M., et al. (2017). Greater effect of east versus west travel on jet lag, sleep, and team sport performance. *Medicine & Science in Sports & Exercise*, 49(12), 2048e2056.
- Fredholm, B. B., et al. (1999). Actions of caffeine in the brain with special reference to factors that contribute to its widespread use. *Pharmacological Reviews*, 51(1), 83e133.
- Fullagar, H. H., et al. (2010). Sleep and athletic performance: The effects of sleep loss on exercise performance, and physiological and cognitive responses to exercise. *Sports Medicine*, 40(2), 111e118.

Garcia, A. N., & Salloum, I. M. (2010). Polysomnographic sleep disturbances in nicotine, caffeine, alcohol, cocaine, opioid, and cannabis use: A focused review. *American Journal on Addictions*, 119(10), 890-898.

Girard, O., et al. (2013). Position statement—altitude training for improving team-sport players' performance: Current knowledge and unresolved issues. *British Journal of Sports Medicine*, 47(Suppl. 1), i141-146.

Greenblatt, D. J., et al. (2006). Dynamics and kinetics of a modified-release formulation of zolpidem: Comparison with immediate-release standard zolpidem and placebo. *The Journal of Clinical Pharmacology*, 46(12), 1479-1484.

Gupta, L., Morgan, K., & Gilchrist, S. (2016). Does elite sport degrade sleep quality? A systematic review. *Sports Medicine*.

Hardeland, R. (2009). New approaches in the management of insomnia: Weighing the advantages of prolonged-release melatonin and synthetic melatonergic agonists. *Neuropsychiatric Disease and Treatment*, 7, 311-318.

Herxheimer, A., & Petrie, K. J. (2002). Melatonin for the prevention and treatment of jet lag. *Cochrane Database of Systematic Reviews*, (2), Cd001020. Managing travel and jetlag in athletes Chapter | 10280

Higgins-Biddle, J. C., & Babor, T. F. (2018). A review of the alcohol use disorders identification test (AUDIT), AUDIT-C, and USAUDIT for screening in the United States: Past issues and future directions. *The American Journal of Drug and Alcohol Abuse*, 44(6), 678-684.

Janse van Rensburg, D. C., et al. (2020). How to manage travel fatigue and jet lag in athletes? A systematic review of interventions. *British Journal of Sports Medicine*. bjsports-2019-101630.

Johns, M. W. (1991). A new method for measuring daytime sleepiness: The Epworth sleepiness scale. *Sleep*, 14(6), 686-689.

Lastella, M., Roach, G. D., & Sargent, C. (2019). Travel fatigue and sleep/wake behaviors of professional soccer players during international competition. *Sleep Health*, 5(2), 111-117.

Ledger, S., et al. (2020). Internal consistency and convergent and divergent validity of the Liverpool jetlag questionnaire. *Chronobiology International*, 37(2), 199.

Lee-Iannotti, J. K., & Parish, J. M. (2016). Suvorexant: A promising, novel treatment for insomnia. *Neuropsychiatric Disease and Treatment*, 14, 491-498.

Leese, P., M. G., Vaickus, L., & Akylbekova, E. (2002). Esopiclone, pharmacokinetic and pharmacodynamic effects of a novel sedative hypnotic after daytime administration in healthy subjects. *Sleep*.

Lofffield, E., et al. (2016). Coffee drinking is widespread in the United States, but usual intake varies by key demographic and lifestyle factors. *Journal of Nutrition*, 146(9), 1272-1278.

Manfredini, R., Manfredini, F., Fersini, C., & Conconi, F. (1998). Circadian rhythms, athletic performance, and jet lag. *British Journal of Sports Medicine*, 32(1), 101-106.

Mansukhani, M. P., et al. (2013). Functional aerobic capacity in patients with sleep-disordered breathing. *The American Journal of Cardiology*, 111(11), 1600-1604.

McLellan, T. M., Caldwell, J. A., & Lieberman, H. R. (2016). A review of caffeine's effects on cognitive, physical and occupational performance. *Neuroscience & Biobehavioral Reviews*, 61, 943-958.

Morin, C. M., & Benca, R. (2012). Chronic insomnia. *Lancet*, 379(9821), 1129-1137.

Nawrot, P., et al. (2013). Effects of caffeine on human health. *Food Additives & Contaminants*, 30(1), 133.

Pandi-Perumal, S. R., et al. (2006). Sleep disorders, sleepiness and traffic safety: A public health menace. *Brazilian Journal of Medical and Biological Research*, 39(7), 873-877.

Peake, J. M., Kerr, G., & Sullivan, J. P. (2018). A critical review of consumer wearables, mobile applications, and equipment for providing biofeedback, monitoring stress, and sleep in physically active populations. *Frontiers in Physiology*, 9(143).

Regina Belski, A. F. A. E. M. (2019). Nutrition for sport, exercise and performance: A practical guide for students, sports enthusiasts and professionals (1, Vol. 1, p. 400). A&U Academic.

Reilly, T., et al. (2007). Nutrition for travel. *Journal of Sports Sciences*, 25(Suppl. 1), S120-S134.

- Reilly, T., Atkinson, G., & Waterhouse, J. (1997). Travel fatigue and jet-lag. *Journal of Sports Sciences*, 15(3), 370-379.
- Reynolds, N. C., Jr., & Montgomery, R. (2002). Using the Argonne diet in jet lag prevention: Deployment of troops across nine time zones. *Military Medicine*, 167(6), 401-403.
- Rice, T. B., et al. (2000). Sleep-disordered breathing in the national football league. *Sleep*, 23(6), 819-824.
- Roach, F. A. D. (2004). A model to predict work-related fatigue based on hours of work. *Aviation Space & Environmental Medicine*, 75(3), 316-319.
- Roach, G. D., et al. (2003). The sleep of elite athletes at sea level and high altitude: A comparison of sea-level natives and high-altitude natives (ISA2003). *British Journal of Sports Medicine*, 37(Suppl. 1), i11-ei12.
- Robert Adams, S. A., Taylor, A., McEvoy, D., & Antic, N. (2006). Report to the sleep health foundation 2006 sleep health survey of Australian adults. The University of Adelaide: The Adelaide Institute for Sleep Health: Sleep Health Foundation.
- Roenneberg, T. (2002). *Internal time: Chronotypes, social jet lag, and why you're so tired*. Cambridge, Mass: Harvard University Press.
- Sack, R. L., et al. (2007). Circadian rhythm sleep disorders: Part I, basic principles, shift work and jet lag disorders. An American Academy of Sleep Medicine review. *Sleep*, 30(11), 1470-1483.
- Samuels, C. H. (2002). Jet lag and travel fatigue: A comprehensive management plan for sport medicine physicians and high-performance support teams. *Clinical Journal of Sport Medicine*, 12(3), 268-273.
- Sateia, M. J., et al. (2007). Clinical practice guideline for the pharmacologic treatment of chronic insomnia in adults: An American Academy of sleep medicine clinical practice guideline. *Journal of Clinical Sleep Medicine*, 13(2), 307-319.
- Sateia, M. J. (2014). International classification of sleep disorders-third edition: Highlights and modifications. *Chest*, 146(5), 1387-1394.
- Shekleton, J. A., et al. (2003). Improved neurobehavioral performance during the wake maintenance zone. *Journal of Clinical Sleep Medicine: JCSM: Official Publication of the American Academy of Sleep Medicine*, 9(4), 303-312.
- Smith, R. S., Guilleminault, C., & Efron, B. (1997). Circadian rhythms and enhanced athletic performance in the National Football League. *Sleep*, 20(5), 372-376.
- Stone, J. D., et al. (2002). Evaluations of commercial sleep technologies for objective monitoring during routine sleeping conditions. *Nature and Science of Sleep*, 12, 82-84.
- Sun, H., et al. (2003). Effects of suvorexant, an orexin receptor antagonist, on sleep parameters as measured by polysomnography in healthy men. *Sleep*, 26(2), 209-217.
- Tassi, P., & Muzet, A. (2000). Sleep inertia. *Sleep Medicine Reviews*, 4(4), 310-313.
- Thorpy, M. J. (2000). *American Academy of Sleep Medicine: International classification of sleep disorders: Diagnostic and coding 1998* (2nd ed.). Westchester: American Academy of Sleep Medicine.
- Thorpy, M. J. (2002). Classification of sleep disorders. *Neurotherapeutics*, 9(4), 687-701.
- Tordjman, S., et al. (2007). Melatonin: Pharmacology, functions and therapeutic benefits. *Current Neuropharmacology*, 10(3), 43-53.
- Tuomilehto, H., et al. (2006). Sleep of professional athletes: Underexploited potential to improve health and performance. *Journal of Sports Sciences*, 24, 1-10.
- Van Dongen, H. P. (2004). Comparison of mathematical model predictions to experimental data of fatigue and performance. *Aviation Space & Environmental Medicine*, 75(Suppl. 1), A10-A16.
- van Oosterhout, F., et al. (2002). Amplitude of the SCN clock enhanced by the behavioral activity rhythm. *PLoS One*, 7(6).
- Vermeeren, A. (2004). Residual effects of hypnotics: Epidemiology and clinical implications. *CNS Drugs*, 18(5), 297-328.
- Waterhouse, J., et al. (2000). Do subjective symptoms predict our perception of jet-lag? *Ergonomics*, 43(10), 1014-1027.
- Waterhouse, J., Reilly, T., & Edwards, B. (2004). The stress of travel. *Journal of Sports Science*, 22(10), 947-956. Discussion 960-6.

Winget, C. M., Deroshia, C. W., & Holley, D. C. (1980). Circadian rhythms and athletic performance. *Medicine & Science in Sports & Exercise*, 12(5), 498e516.

Wirz-Justice, A., & Armstrong, S. M. (1996). Melatonin: nature's soporific? *Journal of Sleep Research*, 5(2), 137e141.

Yegneswaran, B. (2007). Do sleep deprivation and alcohol have the same effects on psychomotor performance? *Journal of Psychosomatic Research*, 63(6), 569e572.

Zisapel, N. (2018). New perspectives on the role of melatonin in human sleep, circadian rhythms and their regulation. *British Journal of Pharmacology*, 170(16), 3190e3199.

## منابع فصل شانزدهم

Acebo, C., Sadeh, A., Seifer, R., Tzischinsky, O., Hafer, A., & Carskadon, M. A. (2005). Sleep/wake patterns derived from activity monitoring and maternal report for healthy 1- to 2-year-old children. *Sleep*, 28(12), 1568e1577.

Agnew, H. W., Jr., Webb, W. B., & Williams, R. L. (1966). The first night effect: An EEG study of sleep. *Psychophysiology*, 3(3), 263e266.

Aktaruzzaman, M., Rivolta, M. W., Karmacharya, R., et al. (2017). Performance comparison between wrist and chest actigraphy in combination with heart rate variability for sleep classification. *Computers in Biology and Medicine*, 89, 212e221.

Allen, J. (2007). Photoplethysmography and its application in clinical physiological measurement. *Physiological Measurement*, 28(3), R1eR39.

Arnal, P. J., Thorey, V., Debellemanni, E., et al. (2020). The Dreem Headband compared to polysomnography for electroencephalographic signal acquisition and sleep staging. *Sleep*, 43(11).

Baron, K. G., Duffecy, J., Berendsen, M. A., Cheung Mason, I., Lattie, E. G., & Manalo, N. C. (2018). Feeling validated yet? A scoping review of the use of consumer-targeted wearable and mobile technology to measure and improve sleep. *Sleep Medicine Reviews*, 40, 151e159.

Baron, K. G., Reid, K. J., Malkani, R. G., Kang, J., & Zee, P. C. (2017). Sleep variability among older adults with insomnia: Associations with sleep quality and cardiometabolic disease risk. *Behavioral Sleep Medicine*, 15(2), 144e157.

Beattie, Z., Oyang, Y., Statan, A., et al. (2017). Estimation of sleep stages in a healthy adult population from optical plethysmography and accelerometer signals. *Physiological Measurement*, 38(11), 1168e1179. Beddit Sleep Monitor. Beddit. <https://www.beddit.com>. (Accessed February 2021).

Bent, B., Goldstein, B. A., Kibbe, W. A., & Dunn, J. P. (2020). Investigating sources of inaccuracy in wearable optical heart rate sensors. *NPJ Digital Medicine*, 3(1), 18.

Bhat, S., Ferraris, A., Gupta, D., et al. (2015). Is there a clinical role for smartphone sleep apps? Comparison of sleep cycle detection by a smartphone application to polysomnography. *Journal of Clinical Sleep Medicine*, 11(7), 709e715.

Blackwell, T., Yaffe, K., Ancoli-Israel, S., et al. (2016). Poor sleep is associated with impaired cognitive function in older women: The study of osteoporotic fractures. *The Journals of Gerontology Series A: Biological Sciences and Medical Sciences*, 71(4), 406-414.

Bonnet, M. H., & Arand, D. L. (1997). Heart rate variability: Sleep stage, time of night, and arousal influences. *Electroencephalography and Clinical Neurophysiology*, 102(5), 390-396.

Boulpaep, E. L. (2017). Chapter 22 - The heart as a pump. In W. F. Boron, & E. L. Boulpaep (Eds.), *Medical physiology* (7th ed., pp. 507-532). Philadelphia, PA: Elsevier. Brink, M., Müller, C. H., & Schierz, C. (2016). Contact-free measurement of heart rate, respiration rate, and body movements during sleep. *Behavior Research Methods*, 48(3), 511-521.

Brooks, J. O., 3rd, Friedman, L., Bliwise, D. L., & Yesavage, J. A. (1993). Use of the wrist actigraph to study insomnia in older adults. *Sleep*, 16(2), 101-106.

Busek, P., Vanková, J., Opavský, J., Salinger, J., & Nevsímalová, S. (2008). Spectral analysis of the heart rate variability in sleep. *Physiological Research*, 57(4), 379-386.

Caldwell, S. (2018). Apple Watch, heart rate sensors, and wrist tattoos: What you need to know! iMore (Accessed March 2018) <https://www.imore.com/heres-why-apple-watch-does-not-play-nice-with-some-tattoos>.

Carskadon, M. A., Wolfson, A. R., Acebo, C., Tzischinsky, O., & Seifer, R. (1998). Adolescent sleep patterns, circadian timing, and sleepiness at a transition to early school days. *Sleep*, 21(8), 871-881.

Cheng, P., Walch, O., Huang, Y., et al. (2020). Predicting circadian misalignment with wearable technology: Validation of wrist-worn actigraphy and photometry in night shift workers. *Sleep*, 43(2).

Chinoy, E. D., Cuellar, J. A., Huwa, K. E., et al. (2020). Performance of seven consumer sleep-tracking devices compared with polysomnography. *Sleep*.

Cole, R. J., Kripke, D. F., Gruen, W., Mullaney, D. J., & Gillin, J. C. (1992). Automatic sleep/wake identification from wrist activity. *Sleep*, 15(5), 471-479.

Collop, N. A. (2002). Scoring variability between polysomnography technologists in different sleep laboratories. *Sleep Medicine*, 3(1), 43-47.

Colvonen, P. J., DeYoung, P. N., Bosompra, N.-O. A., & Owens, R. L. (2020). Limiting racial disparities and bias for wearable devices in health science research. *Sleep*, 43(10).

de Zambotti, M., Baker, F. C., Willoughby, A. R., et al. (2016). Measures of sleep and cardiac functioning during sleep using a multi-sensory commercially-available wristband in adolescents. *Physiology & Behavior*, 158, 133-141.

de Zambotti, M., Goldstone, A., Claudatos, S., Colrain, I. M., & Baker, F. C. (2018). A validation study of Fitbit Charge 3 compared with polysomnography in adults. *Chronobiology International*, 35(4), 460-476.

de Zambotti, M., Rosas, L., Colrain, I. M., & Baker, F. C. (2019). The sleep of the ring: Comparison of the OURA sleep tracker against polysomnography. *Behavioral Sleep Medicine*, 17(2), 124-136.

Fatissou, J., Oswald, V., & Lalonde, F. (2016). Influence diagram of physiological and environmental factors affecting heart rate variability: An extended literature overview. *Heart International*, 11(1), e34-40.

Fekedulegn, D., Andrew, M. E., Shi, M., Violanti, J. M., Knox, S., & Innes, K. E. (2020). Actigraphy-based assessment of sleep parameters. *Annals of Work Exposures and Health*, 14(2), 200-217. Fitbit Technology. Fitbit. <https://www.fitbit.com/global/us/technology>. (Accessed February 2021).

Fonseca, P., Weysen, T., Goelema, M. S., et al. (2017). Validation of photoplethysmography-based sleep staging compared with polysomnography in healthy middle-aged adults. *Sleep*, 40(9).

Foster, F. G., Kupfer, D., Weiss, G., Lipponen, V., McPartland, R., & Delgado, J. (1992). Mobility recording and cycle research in neuropsychiatry. *Journal of Interdisciplinary Cycle Research*, 3(1), 11e17.

Friedman, L., Benson, K., Noda, A., et al. (2000). An actigraphic comparison of sleep restriction and sleep hygiene treatments for insomnia in older adults. *Journal of Geriatric Psychiatry and Neurology*, 13(1), 19e27.

Fukushima, H., Kawanaka, H., Bhuiyan, M. S., & Oguri, K. (2012). Estimating heart rate using wrist-type Photoplethysmography and acceleration sensor while running. 2012 Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 29-31e290-2.

Gradl, S., Leutheuser, H., Kugler, P., et al. (July 2017, 2017). Somnography using unobtrusive motion sensors and Android-based mobile phones. Paper presented at: 2017 30th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC).

Grandner, M. A., Lujan, M. R., & Ghani, S. B. (2011). Sleep tracking technology in scientific research: Looking to the future. *Sleep*.

Grandner, M. A., & Perlis, M. L. (2019). Pharmacotherapy for insomnia disorder in older adults. *JAMA Network Open*, 2(12), e1918212.

Grandner, M. A., Williams, N. J., Knutson, K. L., Roberts, D., & Jean-Louis, G. (2016). Sleep disparity, race/ethnicity, and socioeconomic position. *Sleep Medicine*, 18, 9e18.

Gula, L. J., Krahn, A. D., Skanes, A. C., Yee, R., & Klein, G. J. (2008). Clinical relevance of arrhythmias during sleep: Guidance for clinicians. *Heart*, 94(3), 247e252.

Haghayegh, S., Khoshnevis, S., Smolensky, M. H., & Diller, K. R. (2017). Application of deep learning to improve sleep scoring of wrist actigraphy. *Sleep Medicine*, 14, 230e231.

Halson, S. L. (2019). Sleep monitoring in athletes: Motivation, methods, miscalculations and why it matters. *Sports Medicine*, 49(10), 1487e1497.

Hauri, P. J., & Wisbey, J. (1992). Wrist actigraphy in insomnia. *Sleep*, 15(2), 293e301. Healthcare - Apple Watch. Apple. <https://www.apple.com/healthcare/apple-watch/>. (Accessed February 2021).

Jackson, C. L., Redline, S., & Emmons, K. M. (2010). Sleep as a potential fundamental contributor to disparities in cardiovascular health. *Annual Review of Public Health*, 31(1), 119e131.

Jean-Louis, G., Kripke, D. F., Cole, R. J., Assmus, J. D., & Langer, R. D. (2001). Sleep detection with an accelerometer actigraph: Comparisons with polysomnography. *Physiology & Behavior*, 72(1), 1e7.

Jean-Louis, G., Kripke, D. F., Mason, W. J., Elliott, J. A., & Youngstedt, S. D. (2001). Sleep estimation from wrist movement quantified by different actigraphic modalities. *Journal of Neuroscience Methods*, 100(2), 180e191.

Kang, S.-G., Kang, J. M., Ko, K.-P., Park, S.-C., Mariani, S., & Weng, J. (2017). Validity of a commercial wearable sleep tracker in adult insomnia disorder patients and good sleepers. *Journal of Psychosomatic Research*, 97, 37-44. Kaukonen, V. (2019). Oura ring as a monitoring tool in elite female ice hockey players.

Kelly, J. M., Strecker, R. E., & Bianchi, M. T. (2012). Recent developments in home sleep-monitoring devices. *ISRN Neurology*, 2012, Article 176879. Ko, P.-R. T.,

Kientz, J. A., Choe, E. K., Kay, M., Landis, C. A., & Watson, N. F. (2010). Consumer sleep technologies: A review of the landscape. *Journal of Clinical Sleep Medicine*, 11(12), 1500-1511.

Kortelainen, J. M., Mendez, M. O., Bianchi, A. M., Matteucci, M., & Cerutti, S. (2010). Sleep staging based on signals acquired through bed sensor. *IEEE Transactions on Information Technology in Biomedicine*, 14(3), 376-380.

Kripke, D. F., Mullaney, D. J., Messin, S., & Wyborney, V. G. (1978). Wrist actigraphic measures of sleep and rhythms. *Electroencephalography and Clinical Neurophysiology*, 44(2), 174-176.

Kupfer, D. J., Detre, T. P., Foster, G., Tucker, G. J., & Delgado, J. (1972). The application of Delgado's telemetric mobility recorder for human studies. *Behavioral Biology*, 9(4), 500-501.

Kupfer, D. J., Weiss, B. L., Foster, F. G., Detre, T. P., Delgado, J., & McPartland, R. (1974). Psychomotor activity in affective states. *Archives of General Psychiatry*, 30(6), 706-718.

Lederer, J. W. (2017). Chapter 21 - Cardiac electrophysiology and the electrocardiogram. In W. F. Boron, & E. L. Boulpaep (Eds.), *Medical physiology* (7rd ed., pp. 473-506). Philadelphia, PA: Elsevier. Levenson, J. C., Kay, D. B., & Buysse, D. J. (2010). The pathophysiology of insomnia. *Chest*, 137(4), 1199-1212.

Lichstein, K. L., Stone, K. C., Donaldson, J., et al. (2016). Actigraphy validation with insomnia. *Sleep*, 39(7), 232-239. Life with Oura - Oura Ring. Oura. <https://ouraring.com/life-with-oura>. (Accessed February 2021).

Lim, A. S. P., Kowgier, M., Yu, L., Buchman, A. S., & Bennett, D. A. (2013). Sleep fragmentation and the risk of incident Alzheimer's disease and cognitive decline in older persons. *Sleep*, 36(7), 1026-1032.

Littner, M., Kushida, C. A., Anderson, W. M., et al. (2007). Practice parameters for the role of actigraphy in the study of sleep and circadian rhythms: An update for 2007. *Sleep*, 30(3), 337-341.

Longmore, S. K., Lui, G. Y., Naik, G., Breen, P. P., Jalaludin, B., & Gargiulo, G. D. (2019). A comparison of reflective photoplethysmography for detection of heart rate, blood oxygen saturation, and respiration rate at various anatomical locations. *Sensors (Basel)*, 19(8).

Maeda, Y., Sekine, M., & Tamura, T. (2011). The advantages of wearable green reflected photoplethysmography. *Journal of Medical Systems*, 36(2), 129-134.

Malhotra, A., Younes, M., Kuna, S. T., et al. (2013). Performance of an automated polysomnography scoring system versus computer-assisted manual scoring. *Sleep*, 36(4), 533-542.

Marino, M., Li, Y., Rueschman, M. N., et al. (2013). Measuring sleep: Accuracy, sensitivity, and specificity of wrist actigraphy compared to polysomnography. *Sleep*, 36(11), 1447-1450.

Martin, J. L., & Hakim, A. D. (2011). Wrist actigraphy. *Chest*, 139(6), 1014-1027.

Middelkoop, H. A., Knuistingh Neven, A., van Hilten, J. J., Ruwhof, C. W., & Kamphuisen, H. A. (1990). Wrist actigraphic assessment of sleep in 111 community based subjects suspected of obstructive sleep apnoea syndrome. *Thorax*, 47(3), 285-289.

Montgomery-Downs, H. E., Insana, S. P., & Bond, J. A. (2012). Movement toward a novel activity monitoring device. *Sleep and Breathing*, 16(3), 913-917.

Montgomery-Downs, H. (2020). *Sleep science*. New York: Oxford University Press. Moreno-Pino, F., Porras-Segovia, A., López-Esteban, P., Artés, A., & Baca-García, E. (2019). Validation of Fitbit charge 3 and Fitbit Alta HR against polysomnography for assessing sleep in adults with obstructive sleep apnea. *Journal of Clinical Sleep Medicine*, 15(11), 1640-1643. 31.

Mullaney, D. J., Kripke, D. F., & Messin, S. (1980). Wrist-actigraphic estimation of sleep time. *Sleep*, 3(1), 87-92.

Nakamura, T., Alqurashi, Y. D., Morrell, M. J., & Mandic, D. P. (2020). Hearables: Automatic overnight sleep monitoring with standardized in-ear EEG sensor. *IEEE Transactions on Biomedical Engineering*, 67(1), 203-212.

Neubauer, D. N. (2018). *The science of sleep: What it is, how it works, and why it matters* by Wallace B. Mendelson, M.D. *Sleep and Vigilance*, 2(1), 90-90.

Newell, J., Mairesse, O., Verbanck, P., & Neu, D. (2012). Is a one-night stay in the lab really enough to conclude? First-night effect and night-to-night variability in polysomnographic recordings among different clinical population samples. *Psychiatry Research*, 200(2), 190-191.

Ong, A. A., & Gillespie, M. B. (2016). Overview of smartphone applications for sleep analysis. *World Journal of Otorhinolaryngology-Head and Neck Surgery*, 2(1), 40-49.

Paquet, J., Kawinska, A., & Carrier, J. (2007). Wake detection capacity of actigraphy during sleep. *Sleep*, 30(10), 1372-1379.

Patel, P., Kim, J. Y., & Brooks, L. J. (2017). Accuracy of a smartphone application in estimating sleep in children. *Sleep and Breathing*, 21(2), 200-201.

Peake, J. M., Kerr, G., & Sullivan, J. P. (2018). A critical review of consumer wearables, mobile applications, and equipment for providing biofeedback, monitoring stress, and sleep in physically active populations. *Frontiers in Physiology*, 9(143).

Perez-Pozuelo, I., Zhai, B., Palotti, J., et al. (2020). The future of sleep health: A data-driven revolution in sleep science and medicine. *NPJ Digital Medicine*, 3(1), 42.

Peters, B. (2020). What is an overnight sleep study (polysomnogram)? Verywell Health.

Pollak, C. P., Tryon, W. W., Nagaraja, H., & Dzwonczyk, R. (2001). How accurately does wrist actigraphy identify the states of sleep and wakefulness? *Sleep*, 24(8), 907-910.

Quante, M., Kaplan, E. R., Cailler, M., et al. (2018). Actigraphy-based sleep estimation in adolescents and adults: A comparison with polysomnography using two scoring algorithms. *Nature and Science of Sleep*, 10, 13-20.

Rezaei, N., & Grandner, M. A. (2021). Changes in sleep duration, timing, and variability during the COVID-19 pandemic: Large-scale Fitbit data from 7 major US cities. *Sleep Health*.

Roberts, D. M., Schade, M. M., Mathew, G. M., Gartenberg, D., & Buxton, O. M. (2020). Detecting sleep using heart rate and motion data from multisensor consumer-grade wearables, relative to wrist actigraphy and polysomnography. *Sleep*, 43(7).

Rossi, V. A., Stradling, J. R., & Kohler, M. (2013). Effects of obstructive sleep apnoea on heart rhythm. *European Respiratory Journal*, 41(6), 1439e1450.

Rupp, T. L., & Balkin, T. J. (2011). Comparison of Motionlogger Watch and Actiwatch actigraphs to polysomnography for sleep/wake estimation in healthy young adults. *Behavior Research Methods*, 43(4), 1102e1110.

Sadeh, A., Acebo, C., Seifer, R., Aytur, S., & Carskadon, M. A. (1990). Activity-based assessment of sleep-wake patterns during the 1st year of life. *Infant Behavior and Development*, 14(3), 329e337.

Sadeh, A., Raviv, A., & Gruber, R. (2000). Sleep patterns and sleep disruptions in school-age children. *Developmental Psychology*, 36(3), 291e301.

Sadeh, A., Sharkey, K. M., & Carskadon, M. A. (1994). Activity-based sleep-wake identification: An empirical test of methodological issues. *Sleep*, 17(3), 201e207.

Sargent, C., Lastella, M., Romy, G., Versey, N., Miller, D. J., & Roach, G. D. (2018). How well does a commercially available wearable device measure sleep in young athletes? *Chronobiology International*, 35(6), 704e708.

Schade, M. M., Bauer, C. E., Murray, B. R., et al. (2019). Sleep validity of a non-contact bedside movement and respiration-sensing device. *Journal of Clinical Sleep Medicine*, 15(07), 1001e1011.

Shaffer, F., & Ginsberg, J. P. (2017). An overview of heart rate variability metrics and norms. *Frontiers in Public Health*, 5, 208.

Siegmund, R., Tittel, M., & Schiefenhövel, W. (1998). Activity monitoring of the inhabitants in Tauwema, a traditional Melanesian village: Rest/activity behaviour of Trobriand Islanders (Papua New Guinea). *Biological Rhythm Research*, 29(1), 49e69. Sleep Science Tracking - SleepScore. SleepScore. <https://www.sleepscore.com/the-science/#science>. (Accessed February 2021).

Snyder, F., Hobson, J. A., Morrison, D. F., & Goldfrank, F. (1964). Changes in respiration, heart rate, and systolic blood pressure in human sleep. *Journal of Applied Physiology*, 19(3), 417e422.

So, K., Adamson, T. M., & Horne, R. S. (2007). The use of actigraphy for assessment of the development of sleep/wake patterns in infants during the first 12 months of life. *Journal of Sleep Research*, 16(2), 181e187.

Spierer, D. K., Rosen, Z., Litman, L. L., & Fujii, K. (2010). Validation of photoplethysmography as a method to detect heart rate during rest and exercise. *Journal of Medical Engineering & Technology*, 39(0), 264e271.

Stone, K. L., Ancoli-Israel, S., Blackwell, T., et al. (2008). Actigraphy-measured sleep characteristics and risk of falls in older women. *Archives of Internal Medicine*, 168(16), 1768e1770.

Tal, A., Shinar, Z., Shaki, D., Codish, S., & Goldbart, A. (2017). Validation of contact-free sleep monitoring device with comparison to polysomnography. *Journal of Clinical Sleep Medicine*, 13(3), 017e022.

Tamaki, M., Nittono, H., Hayashi, M., & Hori, T. (2000). Examination of the first-night effect during the sleep-onset period. *Sleep*, 24(2), 190e202.

Te Lindert, B. H. W., & Van Someren, E. J. W. (2013). Sleep estimates using microelectromechanical systems (MEMS). *Sleep*, 36(0), 781e789.

Teicher, M. H. (1990). Actigraphy and motion analysis: New tools for psychiatry. *Harvard Review of Psychiatry*, 3(1), 14e30.

Terrill, P. I., Mason, D. G., & Wilson, S. J. (2010). Development of a continuous multisite accelerometry system for studying movements during sleep. *Annual International Conference of the IEEE Engineering in Medicine and Biology*, 2010, 610e6103.

Tilmanne, J., Urbain, J., Kothare, M. V., Wouwer, A. V., & Kothare, S. V. (2009). Algorithms for sleep-wake identification using actigraphy: A comparative study and new results. *Journal of Sleep Research*, 18(1), 8e98.

Toften, S., Pallesen, S., Hrozanova, M., Moen, F., & Grønli, J. (2020). Validation of sleep stage classification using non-contact radar technology and machine learning (Somnofy). *Sleep Medicine*, 30, 24e31.

Tuominen, J., Peltola, K., Saaresranta, T., & Valli, K. (2019). Sleep parameter assessment accuracy of a consumer home sleep monitoring ballistocardiograph Beddit sleep tracker: A validation study. *Journal of Clinical Sleep Medicine*, 10(3), 43e47.

Vandenberk, T., Stans, J., Mortelmans, C., et al. (2017). Clinical validation of heart rate apps: Mixed-methods evaluation study. *JMIR Mhealth Uhealth*, 0(8), Article e129.

Vantomme, G., Osorio-Forero, A., Lüthi, A., & Fernandez, L. M. J. (2019). Regulation of local sleep by the thalamic reticular nucleus. *Frontiers in Neuroscience*, 13(2076).

Vargas, I., Garland, S. N., Kloss, J. D., & Perlis, M. L. (2019). Chapter 28 - Insomnia and psychiatric disorders. In M. A. Grandner (Ed.), *Sleep and health* (pp. 373e389). Academic Press.

Vaughn, B. V., Quint, S. R., Messenheimer, J. A., & Robertson, K. R. (1990). Heart period variability in sleep. *Electroencephalography and Clinical Neurophysiology*, 94(3), 100e112.

Vitale, K. C., Owens, R., Hopkins, S. R., & Malhotra, A. (2019). Sleep hygiene for optimizing recovery in athletes: Review and recommendations. *International Journal of Sports Medicine*, 40(8), 930e933.

Walch, O., Huang, Y., Forger, D., & Goldstein, C. (2019). Sleep stage prediction with raw acceleration and photoplethysmography heart rate data derived from a consumer wearable device. *Sleep*, 42(12).

Webster, J. B., Kripke, D. F., Messin, S., Mullaney, D. J., & Wyborney, G. (1982). An activity-based sleep monitor system for ambulatory use. *Sleep*, 0(4), 389e399.

Xiao, M., Yan, H., Song, J., Yang, Y., & Yang, X. (2013). Sleep stages classification based on heart rate variability and random forest. *Biomedical Signal Processing and Control*, 8(6), 624e633.

Yuda, E., Shibata, M., Ogata, Y., et al. (2020). Pulse rate variability: A new biomarker, not a surrogate for heart rate variability. *Journal of Physiological Anthropology*, 39(1), 21.

Yuda, E., Yoshida, Y., Sasanabe, R., Tanaka, H., Shiomi, T., & Hayano, J. (2017). Sleep stage classification by a combination of actigraphic and heart rate signals. *Journal of Low Power Electronics and Applications*, 7(4), 28.

Zhai, B., Perez-Pozuelo, I., Clifton, E. A. D., Palotti, J., & Guan, Y. (2020). Making sense of sleep: Multimodal sleep stage classification in a large, diverse population using movement and cardiac sensing. *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies*, 4(2). Article 64.

Zinkhan, M., Berger, K., Hense, S., et al. (٢٠١٤). Agreement of different methods for assessing sleep characteristics: A comparison of two actigraphs, wrist and hip placement, and self-report with polysomnography. *Sleep Medicine*, ١٥(٩), ١١٠٧e١١١٤.

## منابع فصل هفدهم

Alfonso-Miller, P., Athey, A., & Grandner, M. A. (٢٠١٧). Evaluation of a sleep health intervention in student athletes: Insights for intervention development. *Sleep*, ٤٠, A٤٥٠.

Ali, M., Auger, R. R., Slocumb, N. L., & Morgenthaler, T. I. (٢٠٠٩). Idiopathic hypersomnia: Clinical features and response to treatment. *Journal of Clinical Sleep Medicine*, ٥, ٥٦٢e٥٦٨.

Allen, R. P., Kushida, C. A., Atkinson, M. J., & Consortium, R. L. S. Q. (٢٠٠٣). Factor analysis of the international restless legs syndrome study group's scale for restless legs severity. *Sleep Medicine*, ٤, ١٣٣e١٣٥.

American Academy of Sleep Medicine. (٢٠٢٣). International classification of sleep disorders (٣rd ed.). Darien, IL: AASM. American Psychiatric Association. (٢٠٠٣). Diagnostic and statistical manual of mental disorders (٥th ed.). American Psychiatric Association. DSM-٥.

Athey, A., Alfonso-Miller, P., Killgore, W. D., & Grandner, M. A. (٢٠١٧). Preliminary results of a sleep health intervention in student athletes: Perceived changes to sleep, performance, and mental and physical well-being. *Sleep*, ٤٠, A٤٥٠.

Bargiotas, P., Dietmann, A., Haynes, A. G., Kallweit, U., Calle, M. G., Schmidt, M., et al. (٢٠١٩). The Swiss Narcolepsy Scale (SNS) and its short form (sSNS) for the discrimination of narcolepsy in patients with hypersomnolence: A cohort study based on the Bern Sleep-Wake Database. *Journal of Neurology*, ٢٦٦, ٢١٣٧e٢١٤٣. <https://doi.org/10.1007/s00415-019-09360-2>

Bastien, C. H., Vallieres, A., & Morin, C. M. (٢٠٠١). Validation of the Insomnia Severity Index as an outcome measure for insomnia research. *Sleep Medicine*, ٢, ٢٩٧e٣٠٧.

Carney, C. E., Buysse, D. J., Ancoli-Israel, S., Edinger, J. D., Krystal, A. D., Lichstein, K. L., et al. (٢٠١٢). The consensus sleep diary: Standardizing prospective sleep self-monitoring. *Sleep*, ٣٥, ٢٨٧e٣٠٢. <https://doi.org/10.5666/sleep.1642>

Charest, J., & Grandner, M. A. (٢٠٢٠). Sleep and athletic performance: Impacts on physical performance, mental performance, injury risk and recovery, and mental health. *Sleep Medicine Clinics*, ١٥, ٤١e٥٧. <https://doi.org/10.1016/j.jsmc.2019.11.000>

Chasens, E. R., Ratcliffe, S. J., & Weaver, T. E. (٢٠٠٩). Development of the FOSQ-١٠: A short version of the functional outcomes of sleep questionnaire. *Sleep*, ٣٢, ٩١٥e٩١٩.

Chen, N. H., Johns, M. W., Li, H. Y., Chu, C. C., Liang, S. C., Shu, Y. H., et al. (2012). Validation of a Chinese version of the Epworth sleepiness scale. *Quality of Life Research*, 21, 1179-1187. FIGURE 10, 11 Components of a sleep and circadian health promotion program.

Cheng, P., Walch, O., Huang, Y., Mayer, C., Sagong, C., Cuamatzi Castelan, A., et al. (2011). Predicting circadian misalignment with wearable technology: Validation of wrist-worn actigraphy and photometry in night shift workers. *Sleep*, 34. <https://doi.org/10.1093/sleep/zsaa118>

Chung, F., Subramanyam, R., Liao, P., Sasaki, E., Shapiro, C., & Sun, Y. (2012). High STOP-Bang score indicates a high probability of obstructive sleep apnoea. *British Journal of Anaesthesia*, 108, 768-770. <https://doi.org/10.1093/bja/aes022>

Cohen-Levy, J., Garcia, R., Petelle, B., & Fleury, B. (2009). Treatment of the obstructive sleep apnea syndrome in adults by mandibular advancement device: The state of the art. *International Orthodontics*, 3, 287-304. [https://doi.org/10.1016/S1576-1227\(09\)73004-1](https://doi.org/10.1016/S1576-1227(09)73004-1)

de Zambotti, M., Menghini, L., Grandner, M. A., Redline, S., Zhang, Y., Wallace, M. L., et al. (2012). Rigorous performance evaluation (previously, 'validation') for informed use of new technologies for sleep health measurement. *Sleep Health*, 8, 263-269. <https://doi.org/10.1016/j.sleh.2012.02.006>

Dean, J. D., Forger, D. B., & Klerman, E. B. (2009). Taking the lag out of jet lag through model-based schedule design. *PLoS Computational Biology*, 5, Article e1000418. <https://doi.org/10.1371/journal.pcbi.1000418>

Depner, C. M., Cheng, P. C., Devine, J. K., Khosla, S., de Zambotti, M., Robillard, R., et al. (2010). Wearable technologies for developing sleep and circadian biomarkers: A summary of workshop discussions. *Sleep*, 33. <https://doi.org/10.1093/sleep/zsz004>

Dietch, J. R., Sethi, K., Slavish, D. C., & Taylor, D. J. (2019). Validity of two retrospective questionnaire versions of the consensus sleep diary: The whole week and split week self-assessment of sleep surveys. *Sleep Medicine*, 23, 127-136. <https://doi.org/10.1016/j.sleep.2019.05.010>

Dyken, M. E., Yamada, T., & Ali, M. (2009). Treatment of hypersomnias. In C. A. Kushida (Ed.), *Handbook of sleep disorders* (2nd ed., pp. 99-119). NY: Informa.

Edinger, J. D., Arnedt, J. T., Bertisch, S. M., Carney, C. E., Harrington, J. J., Lichstein, K. L., et al. (2011). Behavioral and psychological treatments for chronic insomnia disorder in adults: An American Academy of sleep medicine clinical practice guideline. *Journal of Clinical Sleep Medicine*, 17, 200-212. <https://doi.org/10.5664/jcsm.8987>

Farney, R. M. J., Walker, B. S., Farney, R. M. J., Snow, G. L., & Walker, J. M. (2011). The STOP-bang equivalent model and prediction of severity of obstructive sleep apnea: Relation to polysomnographic measurements of the apnea/hypopnea index. *Journal of Clinical Sleep Medicine*, 7, 409-416. <https://doi.org/10.5664/JCSM.1307>

First, M. B., Spitzer, R. L., Gibbon, M., & Williams, J. B. W. (1996). *Structured clinical interview for DSM-IV axis I disorders, non-patient edition*. NY: Biometrics Research Department, New York State Psychiatric Institute.

Ghotbi, N., Pilz, L. K., Winnebeck, E. C., Vetter, C., Zerbini, G., Lenssen, D., et al. (2020). The microMCTQ: An ultra-short version of the Munich ChronoType Questionnaire. *Journal of Biological Rhythms*, 35, 98-110. <https://doi.org/10.1177/0748873020988898>

Grandner, M. A., Athey, A., Killgore, W. D., & Alfonso-Miller, P. (2017). Preliminary results of a sleep health intervention in student athletes: Changes in sleep, energy level, mental well-being and body weight. *Sleep*, 40, A294.

Grandner, M. A., Jackson, N., Gooneratne, N. S., & Patel, N. P. (2014). The development of a questionnaire to assess sleep-related practices, beliefs, and attitudes. *Behavioral Sleep Medicine*, 12, 123e142. <https://doi.org/10.1080/10845062.2013.764030>.

Grandner, M. A., Lujan, M. R., & Ghani, S. B. (2011). Sleep-tracking technology in scientific research: Looking to the future. *Sleep*, 34. <https://doi.org/10.1093/sleep/zsab071>

Grandner, M. A., Rodriguez Esquivel, D., & Dawson, S. (2012a). CBT-I for people who failed CBT-I. In S. Nowakowski, S. Garland, M. Grandner, & L. Cuddihy (Eds.), *Adapting cognitive behavioral therapy for insomnia* (1st ed., pp. 47e430). Oxford: Academic Press.

Grandner, M. A., Valencia, D. Y., Seixas, A. A., Olivier, K., Gallagher, R. A., Killgore, W. D. S., et al. (2012b). Development and initial validation of the assessment of sleep environment (ASE): Describing and quantifying the impact of subjective environmental factors on sleep. *International Journal of Environmental Research Public Health*, 9. <https://doi.org/10.3390/ijerph92.13099>

Grandner, M. A. A., & Fernandez, F.-X. X. (2011). The translational neuroscience of sleep: A contextual framework. *Science*, 314, 568e573.

Grandner, M. A. A., Olivier, K., Gallagher, R. A., Hale, L., Barrett, M., Branas, C. C., et al. (2010). Quantifying impact of real-world barriers to sleep: The brief index of sleep control (BRISC). *Sleep Health*, 6. <https://doi.org/10.1016/j.sleh.2010.10.013>

Grandner, M. A. A. (2019). *Sleep and health*. Cambridge: Elsevier.

Hanifin, J., Cecil, K., West, K., Jablonski, M., Warfield, B., James, M., et al. (2008). Efficacy of blue-enriched fluorescent light for melatonin suppression and circadian phase resetting. In 20th anniversary meeting of the society for research on biological rhythms. Horne, J. A., & Ostberg, O. (1976). A self-assessment questionnaire to determine morningness-eveningness in human circadian rhythms. *International Journal of Chronobiology*, 4, 96e110.

Huang, Y., Mayer, C., Cheng, P., Siddula, A., Burgess, H. J., Drake, C., et al. (2011). Predicting circadian phase across populations: A comparison of mathematical models and wearable devices. *Sleep*, 34. <https://doi.org/10.1093/sleep/zsab126>

Irish, L. A., Kline, C. E., Gunn, H. E., Buysse, D. J., & Hall, M. H. (2010). The role of sleep hygiene in promoting public health: A review of empirical evidence. *Sleep Medicine Reviews*, 14, 23e36. <https://doi.org/10.1016/j.smrv.2010.10.001>

Johns, M. W. (1991). A new method for measuring daytime sleepiness: The Epworth sleepiness scale. *Sleep*, 14, 400e406.

Johns, M. W. (1992). Reliability and factor analysis of the Epworth sleepiness scale. *Sleep*, 15, 376e381.

Johns, M. W. (1993). Daytime sleepiness, snoring, and obstructive sleep apnea. The Epworth sleepiness scale. *Chest*, 103, 30e36.

Klingman, K. J., Jungquist, C. R., & Perlis, M. L. (2017). Introducing the sleep disorders symptom checklist-20: A primary care friendly and comprehensive screener for sleep disorders. *Sleep Medicine Research*, 8, 19e20.

Kroshus, E., Wagner, J., Wyrick, D., Athey, A., Bell, L., Benjamin, H. J., et al. (2019). Wake up call for collegiate athlete sleep: Narrative review and consensus recommendations from the NCAA interassociation task force on sleep and wellness. *British Journal of Sports Medicine*, 53, 131e137. <https://doi.org/10.1136/bjsports-2019-100090>.

Krupp, L. B., LaRocca, N. G., Muir-Nash, J., & Steinberg, A. D. (1989). The fatigue severity scale. Application to patients with multiple sclerosis and systemic lupus erythematosus. *Archives of Neurology*, 46, 1121e1123.

Kuo, T. F., & Kushida, C. A. (2003). Treatment efficacy of behavioral interventions for obstructive sleep apnea, restless legs syndrome, periodic leg movement disorder, and narcolepsy. In M. L. Perlis, & K. L. Lichstein (Eds.), *Treating sleep disorders: Principles and practice of behavioral sleep medicine* (pp. 137e160). Hoboken, NJ: Wiley.

Littner, M., Kushida, C. A., Anderson, W. M., Bailey, D., Berry, R. B., Davila, D. G., et al. (2003). Practice parameters for the role of actigraphy in the study of sleep and circadian rhythms: An update for 2002. *Sleep*, 26, 337e341.

Lujan, M. R. R., Perez-Pozuelo, I., & Grandner, M. A. A. (2021). Past, present, and future of multisensory wearable technology to monitor sleep and circadian rhythms. *Frontiers in Digital Health*, 3, Article 721919. <https://doi.org/10.3389/fdgth.2021.721919>

Maislin, G., Pack, A. I., Kribbs, N. B., Smith, P. L., Schwartz, A. R., Kline, L. R., et al. (1990). A survey screen for prediction of apnea. *Sleep*, 13, 108e116.

Mason, B. J., Tubbs, A. S., Fernandez, F.-X., & Grandner, M. A. (2022). Spectrophotometric properties of commercially available blue blockers across multiple lighting conditions. *Chronobiology International*, 39. <https://doi.org/10.1080/07420528.2021.2021229>

Mastin, D. F., Bryson, J., & Corwyn, R. (2006). Assessment of sleep hygiene using the sleep hygiene index. *Journal of Behavioral Medicine*, 29, 223e227. <https://doi.org/10.1007/s10860-006-9047-7>

Moorcroft, W. H. (2007). Sleep hygiene. In N. Butkov, & T. Lee-Chiong (Eds.), *Fundamentals of sleep technology*. NY: Lippincott Williams and Wilkins.

Morgenthaler, T. I., Lee-Chiong, T., Alessi, C., Friedman, L., Aurora, R. N., Boehlecke, B., et al. (2007). Practice parameters for the clinical evaluation and treatment of circadian rhythm sleep disorders. An American academy of sleep medicine report. *Sleep*, 30, 1440e1449.

Morin, C. M., Vallieres, A., & Ivers, H. (2007). Dysfunctional beliefs and attitudes about sleep (DBAS): Validation of a brief version (DBAS-17). *Sleep*, 30, 1047e1054.

National Collegiate Athletics Association. (2016). *Mental health best practices: An inter-association consensus document: Best practices for understanding and supporting student-athlete mental wellness*. Indianapolis, IN: NCAA Sport Sciences Institute.

Nedelec, M., Halson, S., Delecroix, B., Abaidia, A. E., Ahmaidi, S., & Dupont, G. (2020). Sleep hygiene and recovery strategies in elite soccer players. *Sports Medicine*, 50, 1047e1059. <https://doi.org/10.1007/s40201-020-0377-9>

Netzer, N. C., Stoohs, R. A., Netzer, C. M., Clark, K., & Strohl, K. P. (1999). Using the Berlin Questionnaire to identify patients at risk for the sleep apnea syndrome. *Annals of Internal Medicine*, 131, 480e481.

Otoni, G. L., Antonioli, E., & Lara, D. R. (2011). The circadian energy scale (CIRENS): Two simple questions for a reliable Chronotype measurement based on energy. *Chronobiology International*, 28, 229e237. <https://doi.org/10.3109/07420528.2011.003796>

Posner, D., & Gehrman, P. R. (2011). Sleep hygiene. In M. L. Perlis, M. Aloia, & B. R. Kuhn (Eds.), *Behavioral treatments for sleep disorders: A comprehensive primer of behavioral sleep medicine interventions* (pp. 31e37). Boston: Academic.

Qaseem, A., Kansagara, D., Forcica, M. A., Cooke, M., & Denberg, T. D. (2011). Clinical guidelines committee of the American college of P. Management of chronic insomnia disorder in adults: A clinical practice guideline from the American college of physicians. *Annals of Internal Medicine*, 160.

Reardon, C. L. L., Hainline, B., Aron, C. M. M., Baron, D., Baum, A. L. L., Bindra, A., et al. (2019). Mental health in elite athletes (Vol. 03, pp. 117e199). International Olympic Committee consensus statement. <https://doi.org/10.1136/bjsports-2019-100710>

Rogers, A. E. (2011). Scheduled sleep periods as an adjuvant treatment for narcolepsy. In M. L. Perlis, M. Aloia, & B. R. Kuhn (Eds.), *Behavioral treatments for sleep disorders: A comprehensive primer of behavioral sleep medicine interventions* (pp. 237e239). Boston: Academic.

Rogers, A. E., & Mullington, J. (2003). The symptomatic management of narcolepsy. In M. L. Perlis, & K. L. Lichstein (Eds.), *Treating sleep disorders: Principles and practice of behavioral sleep medicine* (pp. 117e130). Hoboken, NJ: Wiley.

Rogers, A. J., Xia, K., Soe, K., Sexias, A., Sogade, F., Hutchinson, B., et al. (2017). Obstructive sleep apnea among players in the national football league: A scoping review. *Journal of Sleep Disorders and Therapy*, 6. <https://doi.org/10.4172/2167-0277.1000278>

Roth, T., Zammit, G., Kushida, C., Doghranji, K., Mathias, S. D., Wong, J. M., et al. (2002). A new questionnaire to detect sleep disorders. *Sleep Medicine*, 3, 99e108.

Sarkanen, T., Alakuijala, A., & Partinen, M. (2019). Ullanlinna narcolepsy scale in diagnosis of narcolepsy. *Sleep*, 42. <https://doi.org/10.1093/sleep/zsy238>

Sateia, M. J., Buysse, D. J., Krystal, A. D., Neubauer, D. N., & Heald, J. L. (2017). Clinical practice guideline for the pharmacologic treatment of chronic insomnia in adults: An American academy of sleep medicine clinical practice guideline. *Journal of Clinical Sleep Medicine*, 13, 307e349. <https://doi.org/10.5664/jcsm.7470>

Silva, G. E., Vana, K. D., Goodwin, J. L., Sherrill, D. L., & Quan, S. F. (2011). Identification of patients with sleep disordered breathing: Comparing the four-variable screening tool, STOP, STOP-bang, and Epworth sleepiness scales. *Journal of Clinical Sleep Medicine*, 7, 177e182. <https://doi.org/10.5664/JCSM.1308>

Smith, M. R., & Eastman, C. I. (2009). Phase delaying the human circadian clock with blue-enriched polychromatic light. *Chronobiology International*, 26, 709e720. <https://doi.org/10.1080/074205209.2927742>

Smith, M. R., Revell, V. L., & Eastman, C. I. (2009). Phase advancing the human circadian clock with blue-enriched polychromatic light. *Sleep Medicine*, 10, 287e294. <https://doi.org/10.1176/j.sleep.2008.05.000>

Spoormaker, V. I., Verbeek, I., van den Bout, J., & Klip, E. C. (2000). Initial validation of the SLEEP-00 questionnaire. *Behavioral Sleep Medicine*, 3, 227e236. [https://doi.org/10.1207/s10842010bsm0302\\_04](https://doi.org/10.1207/s10842010bsm0302_04)

Taylor, D. J., Wilkerson, A. K., Pruiksma, K. E., Williams, J. M., Ruggero, C. J., Hale, W., et al. (٢٠١٨). Reliability of the structured clinical interview for DSM-٥ sleep disorders module. *Journal of Clinical Sleep Medicine*, ١٤, ٤٥٩e٤٦٤. <https://doi.org/١٠.٥٦٦٤/jcsm.٧٠٠٠>

Terman, M., Rifkin, J. B., Jacobs, J., & White, T. M. (٢٠٠١). *Morningness-eveningness questionnaire (revised)*. New York: New York State Psychiatric Institute.

Walsh, N. P., Halson, S. L., Sargent, C., Roach, G. D., Nédélec, M., Gupta, L., et al. (٢٠٢٠). Sleep and the athlete: Narrative review and ٢٠٢١ expert consensus recommendations. *British Journal of Sports Medicine*, ٥٥. <https://doi.org/١٠.١١٣٦/bjsports-٢٠٢٠-١٠٢٠٢>

Walters, A. S., LeBrocq, C., Dhar, A., Hening, W., Rosen, R., Allen, R. P., et al. (٢٠٠٣). Validation of the international restless legs syndrome study group rating scale for restless legs syndrome. *Sleep Medicine*, ٤, ١٢١e١٢٢.

Weaver, T. E., Laizner, A. M., Evans, L. K., Maislin, G., Chugh, D. K., Lyon, K., et al. (١٩٩٧). An instrument to measure functional status outcomes for disorders of excessive sleepiness. *Sleep*, ٢٠, ٨٣٥e٨٤٣.

West, K. E., Jablonski, M. R., Warfield, B., Cecil, K. S., James, M., Ayers, M. A., et al. (٢٠١١). Blue light from light-emitting diodes elicits a dose-dependent suppression of melatonin in humans. *Journal of Applied Physiology*, ١١٠, ٦١٩e٦٢٦. <https://doi.org/١٠.١١٥٢/jappphysiol.٠١٤١٣.٢٠٠٩>

Wise, M. S., Arand, D. L., Auger, R. R., Brooks, S. N., & Watson, N. F. (٢٠٠٧). American academy of sleep M. treatment of narcolepsy and other hypersomnias of central origin. *Sleep*, ٣٠, ١٧١٢e١٧٢٧.

Zavada, A., Gordijn, M. C., Beersma, D. G., Daan, S., & Roenneberg, T. (٢٠٠٥). Comparison of the Munich Chronotype Questionnaire with the Horne Ostberg's morningness-eveningness score. *Chronobiology International*, ٢٢, ٢٦٧e٢٧٨.

## منابع فصل هجدهم

American Academy of sleep medicine: AASM: Sleep: Medical society. (June ١, ٢٠٢٣). American Academy of Sleep Medicine e Association for Sleep Clinicians and Researchers. <https://aasm.org/>.

Brauer, A. A., Athey, A. B., Ross, M. J., & Grandner, M. A. (December ٢٠١٩). Sleep and health among collegiate student athletes. *Chest*, ١٥٦(٦), ١٢٣٤e١٢٤٥. <https://doi.org/١٠.١٠١٦/j.chest.٢٠١٩.٠٨.١٩٢١>

Carney, C. E., & Manber, R. (2009). *Quiet your mind and get to sleep*. Oakland: New Harbinger. 330. Sleep and Sport CBTIweb. <https://cbtiweb.org/>

Charest, J., & Grandner, M. A. (March 2020). Sleep and athletic performance: Impacts on physical performance, mental performance, injury risk and recovery, and mental health. *Sleep Medicine Clinical*, 10(1), 1e-5. <https://doi.org/10.1016/j.jsmc.2019.11.000>

Grandner, M. A. (2019). *Sleep and health*. Elsevier Academic Press. Kroshus, E., Wagner, J., Wyrick, D., Athey, A., Bell, L., Benjamin, H. J., Grandner, M. A., Kline, C. E., Mohler, J. M., Roxanne Prichard, J., Watson, N. F., & Hainline, B. (June 2019). Wake up call for collegiate athlete sleep: Narrative review and consensus recommendations from the NCAA interassociation task force on sleep and wellness. *British Journal of Sports Medicine*, 53(12), 1316-1326. <https://doi.org/10.1136/bjsports-2019-10090>

Kryger, M. H., Roth, T., Goldstein, C. A., & Dement, W. C. (2022). *Principles and practice of sleep medicine*. Elsevier.

Manber, R., & Carney, C. E. (2010). *Treatment plans and interventions for insomnia*. New York: Guilford Press.

Mendelson, W. B. (2017). *The science of sleep*. London: Ivy Press. Mind, B. (2018). *Sport: Understanding and supporting student-athlete mental wellness*. National Collegiate Athletic Association. NCAA Sport Science Institute. (January 2020).

Nowakowski, S., Garland, S. N., Grandner, M. A., & Cuddihy, L. J. (2021). *Adapting cognitive behavioral therapy for insomnia*. Cambridge: Academic Press.

Perlis, M. L., Aloia, M., & Kuhn, B. (2011). *Behavioral treatments for sleep disorders*. London: Academic Press.

Perlis, M. L., Jungquist, C., Smith, M. T., & Posner, D. (2000). *Cognitive behavioral treatment of insomnia*. New York: Springer.

Reardon, C. L., Hainline, B., Aron, C. M., Baron, D., Baum, A. L., Bindra, A., Budgett, R., Campriani, N., Castaldelli-Maia, J. M., Currie, A., Derevensky, J. L., Glick, I. D., Gorczynski, P., Gouttebauge, V., Grandner, M. A., Han, D. H., McDuff, D., Mountjoy, M., Polat, A., ... Engebretsen, L. (June 2019). Mental health in elite athletes: International Olympic Committee consensus statement (2019). *British Journal of Sports Medicine*, 53(11), 1676-1691. <https://doi.org/10.1136/bjsports-2019-100710>

Reardon, C. L. (2022). *Mental health care for elite athletes*. Springer. Sateia, M. J. (2018). *International classification of sleep disorders-third edition*. Chest, 146(5), 1387e-1394. <https://doi.org/10.1378/chest.14-0970>

Walsh, N. P., Halson, S. L., Sargent, C., Roach, G. D., Nédélec, M., Gupta, L., Leeder, J., Fullagar, H. H., Coutts, A. J., Edwards, B. J., Pullinger, S. A., Robertson, C. M., Burniston, J. G., Lastella, M., Le Meur, Y., Hausswirth, C., Bender, A. M., Grandner, M. A., & Samuels, C. H. (November 2020). Sleep and the athlete: Narrative review and 2021 expert consensus recommendations. *British Journal of Sports Medicine*, 54. <https://doi.org/10.1136/bjsports-2020-102020>