

CHAPTER 1

1. Ott VR. Unterwasser-bewegungstherapie. Dtsch Med J 1955;6:486--91. Tum Suden A. Funktionelle nachbehandl-ung der poliomyelitis.
2. Davies BC. A technique of re-education in the treatment pool. Physiotherapy. 1967; 53:57-59.
3. Klein-Vogelbach S. Funktionelle Bewegungs-lehre. Stuttg -art: Thieme Verlag; 1981.
4. McArdle WD, Katch FI, Katch VL. Essentials in Exercise Physiology. Philadelphia: Lippincott Williams & Williams; 2000.
5. Ehlenz H, Gosser M, Zimmermann E. Krafttra-ining. Blv; 1983. Harrison RA, Allard L1. An attempt to quantify the resistances produced using the Bad Ragaz ring method. Physiotherapy. 1982;68:330-31.

CHAPTER 2

1. Konno J. History. Ai Chi Certification Resource Materials. Ai Chi International 2004.
2. American Council on Exercise. Clinical Exercise Spe-cialist Manual. San Diego: ACE; 1999.
3. Novotny S, Kravitz L. The science of breathing. Fitness Journal. 2007;37-43.
4. American Council on Exercise. Clinical Exercise Spec-ialist Manual. San Diego: ACE; 1999.
5. Courtney R. Breathe easy eucapnic breath retraining: A powerful tool for the somatic therapist. Massage and Bodywork. 2000;12-21.
6. Vargas L. Liquid assets. Advance for Directors in Rehabili-tation. 2006;47-50.
7. Lan C, Lai JS, Chen SY, Wong MK. Tai Chi Chuan to improve muscular strength and endurance in elderly individual: A pilot study. Arch Phys Med Rehabil. 2000;81:604--7.
8. Tsang W, Hui-Chan C. Comparison of muscle torque, balance, and confidence in older tai chi and healthy adults. Medicine and Science in Sports and Exercise. 2005;37(2):280-89.
9. XU DQ, Li JX, Hong Y, Wang YT. Effects of long term Tai Chi practice and jogging exercise on muscle strength and endurance in older people. British Journal of Sports Medicine. 2006;40:50-54.
10. Queiroz, Oliani, Santos, Hunger, and Israel. Aquatic physiotherapy: Ai-chi in patients with Parkinson disease. FisioBrasil. 2007;Ano 11-Edicao no. 92, Marco/ Abril.
11. Cole A, Becker B. Comprehensive Aquatic Therapy. Philade- lphia: Elsevier; 2004.
12. Pal GK, Velkumary S, Madanmohan. Effect of short-term practice of breathing exer-cises on autonomic functions in normal human volunteers. Indian Journal of Medical Research. 2004;120:115-21.
13. Grossman E, Grossman A, Schein MH, et al. Breathing-control lower blood pressure. J Hum Hypertens. 2001;15:26~9
14. Schneider O, Leung R. Metabolic and cardiorespiratory responses to the performance of Wing Chun and Tai Chi Chuan exercise. Int J Sports Med. 1991;12:319-23.
15. Rakel O, Mercado MA. Breathing exercises. In: Rakel O, ed. Integrative Medicine, 2nd ed. Philadelphia: Saunders Elsevier, 991-98; 2007.

CHAPTER 3

1. Dull H. Watsu: Freeing the Body in Water: California. Middle-town, CA: Harbin Springs; 1997.
2. Becker B, Cole A. Comprehensive Aquatic Therapy. Philadelphia: Butterworth Heinemann; 2004.
3. Worldwide Aquatic Bodywork Association, Harbin Springs, Middletown, CA, September 1, 2007, www.watsu.com.
4. School of Shiatsu and Massage, Middletown, CA, September 1, 2007, www.learnwatsu.com.
5. Douer O. [ahara in hydrotherapy education. [ahara Journal, 10th anniversary ed., 2007, <http://jahara.com/Journal-Download.htm>.
6. Jamison L. The therapeutic value of aquatic therapy in treating lymphedema. Rehab Management Interdisciplinary Journal Rehabilitation. 2000; August-September.
7. Bobath B. Adult Hemiplegia: Evaluation and Treatment, 2nd ed. London: Heinemann; 1978.
8. Brunstrom S. Movement and Therapy in Hemiplegia. New York: Harper and Row; 1970.
9. Knott M, Voss D. Proprioceptive Neuromuscular Facilitation, Patterns and Techniques, 2nd ed. Philadelphia: Harper and Row; 1968.
10. Levine P. Walking the Tiger. Berkeley, CA: North Atlantic Books; 1997.
11. Dougherty L, Dunlap E, Mehler S. The rehabilitative benefits of Watsu. In Dull H, ed. Watsu: Freeing the Body in Water. Middletown, CA: Harbin Springs; 1997.
12. Merskey H, Bogduk N, eds. Classification of Chronic Pain: Descriptions of Chronic Pain Syndromes and Definitions of Pain Terms, 2nd ed. Seattle: IASP Press; 1994:210-11.
13. Logigian MK. Adult Rehabilitation: A Team Approach for Therapists. Boston: Little, Brown; 1982.
14. Emileane L, PSY /Mental Health NP, RN, MS. Personal communication. Faculty associate, Graduate College of Nursing, ASU. Director of Southwestern Gestalt Center, Phoenix, AZ.

CHAPTER 4

1. American Red Cross. Swimming and Diving. St. Louis:
2. Mosby-Year Book; 1992.
3. Fowler PI, Regan WO. Swimming injuries of the knee, foot and ankle, elbow and back. Clin Sports Med. 1986;1(5):139- 48.
4. Cole AJ, Farrell FP, Stratton SA. Cervical spine athletic injuries: A pain in the neck. Physical Medicine and Rehabilitation Clinics of North America. 1994;5(1):37-68.

CHAPTER 5

1. Bates A, Hanson N. Aquatic Exercise Therapy. Philadelphia: Saunders; 1996:307-12.
2. Dressendorfer RH, Haykowsky MJ, Eves N. Exercise for persons with cardio. Current Comment for American College of Sports Medicine. 2002; October.
3. Ide MR, Belini MAV, Caromano FA. Effects of an aquatic versus non-aquatic respiratory exercise program on the respiratory muscle strength in healthy aged persons. Clinics. 2005;60(2):151-58.
4. D' Acquistio LJ, D' Acquistio OM, Renne D. Metabolic and cardiovascular responses in older women during shallow-water exercise. Journal of Strength and Conditioning Research. 2001;15(1):12-19.
5. Thein JM, Thein-Brody I. Aquatic-based rehabilitation and training for the elite athlete. Journal of Orthopedic and Sports Physical Therapy. 1998;27(1):32-41.

CHAPTER 6

1. Gordon J. Assumptions underlying physical therapy intervention: Theoretical and historical perspectives. In: Carr JH, Shepherd RB, Gordon J, et al., eds. *Movement Science: Foundations for Physical Therapy in Rehabilitation*. Rockville, MD: Aspen, 2000.
2. Becker BE, Cole AJ (eds). *Comprehensive Aquatic Therapy*. Boston: Butterworth-Heinemann, 2004:17-48.
3. Dull H. Watsu. In: Ruoti RG, Morris DM, Cole AJ, eds. *Aquatic Rehabilitation*. Philadelphia: Lippincott; 1997:333-52.
4. Shumway-Cook A, Woollacott MH. *Motor Control: Theory and Practical Applications*, 3rd ed. Philadelphia: Lippincott; 2007.
5. Suomi R, Collier D. Effects of arthritis exercise programs on functional fitness and perceived activities of daily living measures in older adults with arthritis, *Archives of Physical Medicine and Rehabilitation*. 2003;84;(11):1589-1594.
6. Barbeau and Visintin. Optimal outcomes obtained with bodyweight support combined with treadmill training in stroke subjects. *Arch Phys Med Rehab*. 2003;84:1458-65.

CHAPTER 7

1. Hodges P. Core stability exercise in chronic low back pain. *Orthop Clin N Am*. 2003;34:245-54.
2. Moseley G, Hodges P, Gandevia S. Deep and superficial fibers of lumbar multifidus are differentially active during voluntary arm movements. *Spine*. 2002;27:E29-36.
3. Kernozek T, Torry M, Van Hoof H, Cowley H, Tanner S. Gender differences in frontal and sagittal plane biomechanics during drop landings. *Med Sci Sports Exerc*. 2005;37(6):1003-12.
4. Ford K, Myer G, Toms H, Hewett T. Gender differences in the kinematics of unanticipated cutting in young athletes. *Med Sci Sports Exerc*. 2005;37(1):124-29.
5. Hurd W, Chmielewski T, Axe M, Davis I, Snyder-Mackler L. Differences in normal and perturbed walking kinematics between male and female athletes. *Clin Biomech*. 2004;19(5):465-72.
6. Kelly B, Roskin L, Kirkendall D, Speer K. Shoulder muscle activation during aquatic and dry land exercises in nonimpaired subjects. *J Ortho Sports Phys Ther*. 2000;30(4):204-10.
7. Pengel H, Maher C, Refshauge K. Systematic review of conservative interventions for subacute low back pain. *Clinical Rehabilitation*. 2002;16:811-20.
8. Jones K, Adams D, Winters-Stone K, Burckhardt C. A comprehensive review of 46 exercise treatment studies in fibromyalgia. *Health and Quality of Life Outcomes*. 2006;4(67):1-6.
9. White J, Hornsby J, Gorsby G, Ulrich I, Briggs P, Yeater R.
10. A pilot study to determine the efficacy of aquatic therapy on functional outcome in fibromyalgia. *Arthritis Rheum*. 1996;42:5329.
11. Pollock M, Gaesser G, Butcher J, et al. ACSM Position Stand on the Recommended Quantity and Quality of Exercise for Developing and Maintaining Cardiorespiratory and Muscular Fitness, and Flexibility in Adults. *Med Sci Sports Exerc*. 1998;30(6):975-91.
12. Barker K, Dawes H, Hansford P, Shamley D. Perceived and measured levels of exertion of patients with chronic back pain exercising in a hydrotherapy pool. *Arch Phys Med Rehabil*. 2003;84(9):1319-23.
13. Town G, Bradley S. Maximal metabolic responses of deep and shallow water running in



trained runners. *Med Sci Sports Exerc.* 1991;23:238-41.

14. Yamaji K, Greenley M, Northey D, Hughson R. Oxygen uptake and heart rate responses to treadmill and water running. *Can J Sports Sci.* 1990;15:96-98.

15. Kraemer J. Natural course and prognosis of intervertebral disc diseases. *Spine.* 1995;20:635-39.

16. Boissonnault W. Joint and muscle disorders. In: Goodman C, Boissonnault W, eds. *Pathology: Implications for the Physical Therapist.* Philadelphia: Saunders; 1998.

CHAPTER 8

1. Senbursa G, Baltaci G, Atay A. Comparison of conservative treatment with and without manual physical therapy for patients with shoulder impingement syndrome: A prospective, randomized clinical trial. *Knee Surg Sports Trumatol Arthrosc.* 2007; Feb 28.

2. Yelin E, Callahan L. The economic cost and social and psychological impact of musculoskeletal conditions. *Arthritis Rheum.* 1995;38:1351-62.

3. Kohles S, Gregorczyk K, Phillips T, Brody L, Orwin J. Concentric and eccentric shoulder rehabilitation biomechanics. *Proc Inst Mech Eng.* 2007;221(3):237-49.

4. Jensen I, Harms-Ringdahl K. Strategies for prevention and management of musculoskeletal conditions: Neck pain. *Best Pract Res Clin Rheumatol.* 2007;21(1):93-108.

5. Robinson C, Akhtar A, Mitchell M, Beavis C. Complex posterior fracture-dislocation of the shoulder: Epidemiology, injury patterns and results of operative treatment. *J Bone Joint Surg Am.* 2007;89(7):1454-66.

6. Templeton M, Booth D, O'Kelly W. Effects of aquatic therapy on joint flexibility and functional ability in subjects with rheumatic disease. *J Ortho Sports Phys Ther.* 1996;23(6):376-81.

7. Bandy W, Irion J. The effect of time of static stretch on the flexibility of the hamstring muscles. *Phys Ther.* 1994;74:845-52.

8. Hall C. The shoulder girdle. In: Hall C, Brody L, eds. *Therapeutic Exercise: Moving Toward Function.* 2nd ed. Philadelphia: Lippincott, Williams and Wilkins; 2003.

9. Butler D, Jones M. *Mobilization of the Nervous System.* St. Louis: Churchill Livingstone; 1999.

10. Knott M, Voss D. *Proprioceptive Neuromuscular Facilitation, Patterns and Techniques.* 2nd ed. Philadelphia: Harper & Row; 1968.

11. Simmons V, Hansen P. Effectiveness of water exercise on postural mobility in the well elderly: An experimental study on balance enhancement. *J Gerontology.* 1996;51A (5): M233-38.

12. Kelly B, Roskin L, Kirkendall D, Speer K. Shoulder muscle activation during aquatic and dry land exercises in nonimpaired subjects. *J Ortho Sports Phys Ther.* 2000;30(4):204-10


CHAPTER 9

1. Yelin E, Callahan L. The economic cost and social and psychological impact of musculoskeletal conditions. *Arthritis Rheum.* 1995;38:1351-62.

2. Lawrence R, Helmich C, Arnett F. Estimates of the prevalence of arthritis and selected musculoskeletal disorders in the United States. *Arthritis Rheum.* 1998;41:778-99.

3. McMurray R, Berry M, Katz V. Cardiovascular responses of pregnant women during aerobic exercise in the water:

4. A longitudinal study. *Int J Sports Med.* 1988;9:433-47.

- 
5. Cochrane T, Davey R, Matthes Edwards S. Randomised controlled trial of the cost-effectiveness of water-based therapy for lower limb osteoarthritis. *Health Technol Assess.* 2005;9(31):1-114.
 6. Takeshima N, Rogers M, Watanabe E. Water-based exercise improves health-related aspects of fitness in older women. *Med Sci Sports Exerc.* 2002;33:544-51.
 7. Foley A, Halbert J, Hewitt T, Crotty M. Does hydrotherapy improve strength and physical function in patients with osteoarthritis: A randomised controlled trial comparing a gym based and a hydrotherapy based strengthening program. *Ann Rheum Dis.* 2003;62:1162-67.
 8. Templeton M, Booth D, O'Kelly W. Effects of aquatic therapy on joint flexibility and functional ability in subjects with rheumatic disease. *J Ortho Sports Phys Ther.* 1996;23(6):376-81.
 9. Douchette S, Goble E. The effect of exercise on patellar tracking in lateral patellar compression syndrome. *Am J Sports Med.* 1992;20(4):434-37.
 10. Tyler T, Nicholas S, Weinstein R, Mullaney M, McHugh M.
 11. Successful outcome of patellofemoral pain targeting hip and pelvis muscle function and the relationship of therapy visits. *Proceedings of the Combined Sections Meeting;*
 12. *Sports Physical Therapy Section;* 2007.
 13. Steinkamp L, Dillingham M, Markel M, Hill J, Kaufman K. Biomechanical considerations in patellofemoral joint rehabilitation. *American Journal of Sports Medicine.* 1993;21:438-44.
 14. Powers C, Ward S, Fredericson M, Guillet M, Shellock F. Patellofemoral kinematics during weight-bearing and non-weight-bearing knee extension in persons with lateral subluxation of the patella: A preliminary study. *J Orthop Sports Phys Ther.* 2003;33(11):677-85.
 15. Reischl F, Powers C, Rao S, Perry J. Relationship between foot pronation and rotation of the tibial and femur during walking. *Foot Ankle.* 1999;20:513-20.
 16. Harrison R, Hillman M, Bulstrode S. Loading the lower limb when walking partially immersed: Implications for clinical practice. *Physiotherapy Practice.* 1992;78:164-66.
 17. Harrison R, Bulstrode S. Percentage weightbearing during partial immersion in the hydrotherapy pool. *Physiotherapy Practice.* 1987;3:60-64.