

## PUBLICATIONS

### A. Books:

1. Neumann DA: Neumann's Kinesiology of the Musculoskeletal System, Elsevier, 4th ed, 2025. (translated in 10 languages).
2. Neumann DA: Kinesiology of the Musculoskeletal System: Foundations for Rehabilitation (third edition), Elsevier, 2017 (translated in 9 languages).
3. Neumann DA: Kinesiology of the Musculoskeletal System: Foundations for Rehabilitation (second edition), Elsevier, 2010 (translated in 7 languages).
4. Neumann DA: Kinesiology of the Musculoskeletal System: Foundations for Rehabilitation (first edition), Elsevier, 2002
5. Mansfield PJ and Neumann DA: Essentials of Kinesiology for the Physical Therapist Assistant, Elsevier, (third edition) 2024 (translated in 4 languages).

### B. Book Chapters:

1. **Neumann DA:** The Synovial Joint: Anatomy, Function, and Dysfunction, In *Clinical Approach to Diagnosis and Management of Arthritis*. Orthopaedic Section of the American Physical Therapy Association, LaCrosse, WI, 1997.
2. **Neumann DA:** *Arthrokinesiologic Considerations for the Aged Adult*. In A.A. Guccione (ed): *Geriatric Physical Therapy*, Chicago, Mosby-Yearbook, 2000 (second edition).
3. Bielefeld T and **Neumann DA:** *Therapist's Management of the Thumb Carpometacarpal Joint with Osteoarthritis* (Chapter 106). In Skirven TM et al (eds): *Rehabilitation of the Hand and Upper Extremity*, Elsevier, 2011.
4. **Neumann DA:** *The Hip*, in *Gray's Anatomy (British edition): The Anatomical Basis of Clinical Practice* (editor: Standring S), 41th ed, St Louis, Elsevier, 2016.
5. **Neumann DA:** Fundamentals and Clinical Considerations of the Muscles of the Hip. In *Hip Joint Restoration*. Eds: McCarthy J, Villar R, Noble P: Springer, New York, 2017.
6. **Neumann DA:** *Pelvic Girdle, Hip and Thigh*, in *Gray's Anatomy (British edition): The Anatomical Basis of Clinical Practice* (editor: Standring S), 42th ed, St Louis, Elsevier, 2021.
7. **Neumann DA:** *Pelvic girdle, hip joint, gluteal region and thigh*, in *Gray's Anatomy: The Anatomical Basis of Clinical Practice* (editor: Standring S), 43th ed, St Louis, Elsevier, 2025; in print.

### **C. Articles** (Refereed or Invited):

1. **Neumann DA:** Use of Diaphragm to Assist in Rolling in the Patient with Quadriplegia. *Phys Ther* 59: 39, 1979.
2. **Neumann DA:** Exercise Positions for Treating the Patient with Quadriplegia. *Phys Ther* 60: 1291-1292, 1980.
3. **Neumann DA** and Cook TM: Effect of Load and Carry Position on the Electromyographic Activity of the Gluteus Medius during Walking. *Phys Ther* 65: 305-311, 1985.
4. Cook TM and **Neumann DA:** The Effects of Load Placement on the EMG Activity of the Low Back Muscles during Load Carry by Men and Women. *Ergonomics* 30: 1413-1423, 1987.
5. **Neumann DA**, Soderberg GL, and Cook TM: Comparison of Maximal Isometric Hip Abductor Torque across Hip Sides. *Phys Ther* 68: 496-502, 1988.
6. **Neumann DA**, Soderberg GL and Cook TM: Electromyographic Analysis of the Hip Abductor Musculature in Healthy Right-handed Persons. *Phys Ther* 69: 431-440, 1989.
7. **Neumann DA:** A Biomechanical Analysis of Selected Principles of Hip Joint Protection. *Arthritis Care and Research* 3: 146-155, 1989.
8. **Neumann DA**, Sobush D, and Paschke S, and Cook TM: An Electromyographic Analysis of the Hip Abductor Muscles during a Standing Work Task. *Arthritis Care and Research* 3: 116-126, 1990.
9. **Neumann DA**, Sholty R, Cook TM and Sobush DC: An Electromyographic Analysis of Hip Abductor Muscle Activity When Subjects are Carrying Loads in One Hand or Both Hands. *Phys Ther* 72: 207-217, 1992.
10. Rajala GM, **Neumann DA**, Foster C, and Jensen RJ: Quadriceps Muscle Performance in Male Speed Skaters. *J Strength and Con Res* 8(1): 48-52. 1994.
11. **Neumann DA**, Hase AD: An Electromyographic Analysis of Hip Abductors During Load Carriage: Implications for Hip Joint Protection. *J Orthop Sports Phys Ther* 19: 296-304, 1994.
12. **Neumann DA:** Hip Abductor Muscle Activity in Persons with a Hip Prosthesis While Carrying Loads in One Hand. *Phys Ther* 76: 1320-1330, 1996.

13. **Neumann DA:** Hip Abductor Muscle Activity as Subjects with a Hip Prostheses Walked with Different Methods of Using a Cane. *Phys Ther* 78: 490- 501, 1998.
14. **Neumann DA:** Joint Deformity and Dysfunction: A Review of the Underlying Mechanisms. *Arthritis Care and Research* 12: 139-151, 1999.
15. **Neumann DA:** An Electromyographic Study of the Hip Abductor Muscles as Subjects with a Hip Prosthesis Walked With Different Methods of Using a Cane and Carrying a Load. *Phys Ther* 79: 1163-1176, 1999.
16. **Neumann DA** and Bielefeld T: Carpometacarpal Joint: Stability, Deformity and Therapeutic Intervention: *J Orthop Sports Phys Ther*, 33: 386-399, 2003.
17. **Neumann DA:** The poliovirus and the early days of physical therapy: what's the connection? [guest editorial]. *34(8):428-429*, 2004.
18. **Neumann DA:** Polio: Its Impact on the People of the United States and the Emerging Profession of Physical Therapy (Invited Historical Review). *J Orthop Sports Phys Ther*, 34(8): 479-492, 2004
19. Bielefeld T and **Neumann DA:** The Unstable Metacarpophalangeal Joint: Pathomechanics and Physical Therapy Management. *J Orthop Sports Phys Ther*, 35: 502-520, 2005.
20. **Neumann DA:** The Actions of Hip Muscles. *J Orthop Sports Phys Ther*, 40: 82-94, 2010.
21. **Neumann DA:** Arthrokinematics: Flawed or Just Misinterpreted? [guest editorial]. *J Orthop Sports Phys Ther*, 34:428-429, 2012.
22. **Neumann DA**, Garceau LR: A Proposed Novel Function of the Psoas Minor Revealed Through Cadaver Dissection. *Clin Anat* 28: 243-252, 2015
23. Deering RE, Senefeld JW, Pashibin T, **Neumann DA**, Hunter SK: Muscle Function and Fatigability of Trunk Flexors in Males and Females. *Biology of Sex Differences* 8:1-12, 2017.
24. Deering R, Senefeld J, Pashibin T, **Neumann D**, Cruz M, and Hunter SK. Fatigability of the Lumbopelvic Stabilizing Muscles in Women 8 and 26 Weeks Postpartum. *Journal of Women's Health Physical Therapy*: 42(3): 128-138, 2018.
25. Malloy P, **Neumann D**, Kipp K: Hip Biomechanics During a Single-Leg Squat: Five Key Differences Between People With Femoroacetabular Impingement Syndrome and Those Without Hip Pain. *J Orthop Sports Phys Ther*:49: 908-916, 2019

26. **Neumann DA**, Camargo PR: Kinesiologic Considerations for Targeting Activation of Scapulothoracic Muscles: Part 1: Serratus Anterior. *Braz J Phys Ther*: 23(6): 459-466, 2019.
27. Camargo PR, **Neumann DA**: Kinesiologic Considerations for Targeting Activation of Scapulothoracic Muscles: Part 2: Trapezius. *Braz J Phys Ther*: 23(6); 467-475, 2019.
28. Malloy P, **Neumann D**, Leung A, et al: Hip Joint Kinematic Covariation During Gait before and 1-Year after Hip Arthroscopic Surgery for Femoroacetabular Impingement Syndrome. *Front Surg* 8:614329, 2021.
29. **Neumann DA**: A Proposed Novel Action of the Psoas Minor: Invited Commentary 9.2 in *Pelvic Girdle, Hip and Thigh*, in *Gray's Anatomy (British edition): The Anatomical Basis of Clinical Practice* (editor: Standring S), 42th ed, St Louis, Elsevier, 2021.