Table of Contents

Contents

Section I. Joint Structure and Function: Foundational Concepts
Chapter 1. Biomechanical Applications to Joint Structure and Function Samuel R. Ward, PT, PhD
Chapter 2. Joint Structure and Function Sandra Curwin, PT, PhD
Chapter 3. Muscle Structure and Function Gary Chleboun, PT, PhD

Section II. Axial Skeletal Joint Complexes
Chapter 4. The Vertebral Column Diane Dalton, PT, DPT, OCS
Chapter 5. The Thorax and Chest Wall Julie Starr, PT, MS, CCS & Diane Dalton, PT, DPT, OCS
Chapter 6. The Temporomandibular Joint Pamela D. Ritzline, PT, EdD

Section III. Upper Extremity Joint Complexes
Chapter 7. The Shoulder Complex Paula M. Ludewig, PT, PhD & John D. Borstad, PT, PhD
Chapter 8. Elbow Complex Cynthia C. Norkin, PT, EdD
Chapter 9. Wrist and Hand Complex Noelle M. Austin, PT, MS, CHT

Section IV. Hip Joint
Chapter 10. The Hip Complex RobRoy L. Martin PT, PhD, CSCS & Ben Kivlan, PT, SCS, OCS, CSCS
Chapter 11. The Knee Erin Hartigan, PT, PhD, DPT, OCS, ATC, Michael Lewek, PT, PhD & Lynn Snyder-Macker, PT, ScD, SCS, ATC, FAPTA
Chapter 12. The Ankle and Foot Complex RobRoy L. Martin PT, PhD, CSCS

Section V. Integrated Function
Chapter 13. Posture Cynthia C. Norkin, PT, EdD
Chapter 14. Gait Sandra J. Olney, PT, OT, PhD & Janice Eng, PT, OT, PhD

Index