TABLE OF CONTENTS – Canine Rehabilitation and Physical Therapy, 2nd Edition

Section I: Introduction to Physical Rehabilitation

- 1. History of Canine Physical Rehabilitation
- Regulatory and Practice Issues for the Veterinary and Physical Therapy Professions
- Conceptual Overview of Physical Therapy, Veterinary Medicine, and Canine Rehabilitation

Section II: Basic Science of Veterinary Rehabilitation

- 4. Canine Behavior
- 5. Canine Anatomy
- 6. Tissue Healing: Tendons, Ligaments, Bone, Muscles, and Cartilage
- 7. Responses of Musculoskeletal Tissues to Disuse and Remobilization
- 8. Exercise Physiology
- 9. Exercise Physiology of the Canine Athlete

Section III: Patient Assessment and Management

- 10. Orthopedic and Neurologic Examination
- 11. Canine Locomotion Analysis
- 12. The Physical Rehabilitation Evaluation
- 13. Assessing and Measuring Outcomes
- 14. Rehabilitating the Painful Patient: Pain Management in Physical Rehabilitation
- 15. The Role of Chondroprotectants, Nutraceuticals, and Nutrition in Rehabilitation Nursing Care of the Rehabilitation Patient
- 16. Nursing Care of the Rehabilitation Patient
- 17. Devices for Ambulation Assistance in Companion Animals

Section IV: Therapeutic Modalities

- 18. Superficial Thermal Modalities
- 19. Therapeutic Ultrasound
- 20. Electrical Stimulation
- 21. Therapeutic Lasers in Canine Rehabilitation
- 22. Applications of Extracorporeal Shock Wave in Small Animal Practice
- 23. Other Modalities in Veterinary Rehabilitation

Section V: Therapeutic Exercise and Manual Therapy

- 24. Biomechanics of Physical Rehabilitation and Kinematics of Exercise
- 25. Range-of-Motion and Stretching Exercises

- 26. Joint Mobilization
- 27. Massage
- 28. Exercises for Proprioception, Balance, and Joint Position Awareness
- 29. Therapeutic Exercises: Early Limb Use Exercises
- 30. Therapeutic Exercises: Joint Motion, Strengthening, Endurance and Speed Exercises
- 31. Aquatic Therapy

Section VI: Physical Therapy for Specific Diagnoses

- 32. Common Orthopedic Conditions and Their Physical Rehabilitation
- 33. Common Conditions and Physical Rehabilitation of the Athletic Patient
- 34. Neurologic Conditions and Physical Rehabilitation of the Neurologic Patient
- 35. Physical Rehabilitation for Geriatric and Arthritic Patients
- 36. Physical Therapy for Wound Care
- 37. Physical Rehabilitation for the Critically Injured Veterinary Patient
- 38. Development of a Rehabilitation Facility for Small Animals and Business Considerations

Appendix 1: Protocol Development and Protocols

Appendix 2: Manufacturers of Supplies and Equipment

Glossary

Index.