

Section I: Introduction to Physical Rehabilitation

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

Section II: Basic Science of Veterinary Rehabilitation

- 1. Canine Behavior**
- 2. Canine Anatomy**
- 3. Tissue Healing: Tendons, Ligaments, Bone, Muscles and Cartilage**
- 4. Responses of Musculoskeletal Tissues to Disuse and Remobilization**
- 5. Exercise Physiology**
- 6. Exercise Physiology of the Canine Athlete - NEW!**

Section III: Patient Assessment and Management

- 1. Orthopedic and Neurologic Examination**
- 2. Canine Locomotion Analysis**
- 3. The Physical Rehabilitation Evaluation - NEW!**
- 4. Assessing and Measuring Outcomes**
- 5. Rehabilitating the Painful Patient: Pain Management in Physical Rehabilitation - NEW!**
- 6. The Role of Chondroprotectants, Nutraceuticals and Nutrition in Rehabilitation Nursing Care of the Rehabilitation Patient - NEW!**
- 7. Nursing Care of the Rehabilitation Patient - NEW!**
- 8. Devices for Ambulation Assistance in Companion Animals - NEW!**

Section IV: Therapeutic Modalities

- 1. Superficial Thermal Modalities**
- 2. Therapeutic Ultrasound**
- 3. Electrical Stimulation - NEW!**
- 4. Therapeutic Lasers in Canine Rehabilitation - NEW!**
- 5. Applications of Extracorporeal Shock Wave in Small Animal Practice - NEW!**
- 6. Other Modalities in Veterinary Rehabilitation - NEW!**

Section V: Therapeutic Exercise and Manual Therapy

- 1. Biomechanics of Physical Rehabilitation and Kinematics of Exercise - NEW!**
- 2. Range-of-Motion and Stretching Exercises**
- 3. Joint Mobilization - NEW!**
- 4. Massage**

5. Exercises for Proprioception, Balance and Joint Position Awareness
6. Therapeutic Exercises: Early Limb Use Exercises
7. Therapeutic Exercises: Joint Motion, Strengthening, Endurance and Speed Exercises
8. Aquatic Therapy

Section VI: Physical Therapy for Specific Diagnoses

1. Common Orthopedic Conditions and Their Physical Rehabilitation
2. Common Conditions and Physical Rehabilitation of the Athletic Patient - **NEW!**
3. Neurologic Conditions and Physical Rehabilitation of the Neurologic Patient
4. Physical Rehabilitation for Geriatric and Arthritic Patients
5. Physical Therapy for Wound Care - **NEW!**
6. Physical Rehabilitation for the Critically Injured Veterinary Patient
7. Development of a Rehabilitation Facility for Small Animals and Business Considerations

Appendix 1: Protocol Development and Protocols

Appendix 2: Manufacturers of Supplies and Equipment - **NEW!**

Glossary

Index