

Section I: Introduction to Physical Rehabilitation

- 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

- Canine Behavior
- Canine Anatomy
- Tissue Healing: Tendons, Ligaments, Bone, Muscles, and Cartilage
- Responses of Musculoskeletal Tissues to Disuse and Remobilization
- Exercise Physiology
- Exercise Physiology of the Canine Athlete – **NEW!**

Section III: Patient Assessment and Management

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

Section IV: Therapeutic Modalities

- **Superficial Thermal Modalities**
- **Therapeutic Ultrasound**
- **Electrical Stimulation – NEW!**
- **Therapeutic Lasers in Canine Rehabilitation – NEW!**
- **Applications of Extracorporeal Shock Wave in Small Animal Practice – NEW!**

- **Other Modalities in Veterinary Rehabilitation – NEW!**

Section V: Therapeutic Exercise and Manual Therapy

- **Biomechanics of Physical Rehabilitation and Kinematics of Exercise – NEW!**
- **Range-of-Motion and Stretching Exercises**
- **Joint Mobilization – NEW!**
- **Massage**
- **Exercises for Proprioception, Balance, and Joint Position Awareness**
- **Therapeutic Exercises: Early Limb Use Exercises**
- **Therapeutic Exercises: Joint Motion, Strengthening, Endurance and Speed Exercises**
- **Aquatic Therapy**

Section VI: Physical Therapy for Specific Diagnoses

- **Common Orthopedic Conditions and Their Physical Rehabilitation**
- **Common Conditions and Physical Rehabilitation of the Athletic Patient – NEW!**
- **Neurologic Conditions and Physical Rehabilitation of the Neurologic Patient**
- **Physical Rehabilitation for Geriatric and Arthritic Patients**
- **Physical Therapy for Wound Care – NEW!**
- **Physical Rehabilitation for the Critically Injured Veterinary Patient**
- **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

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