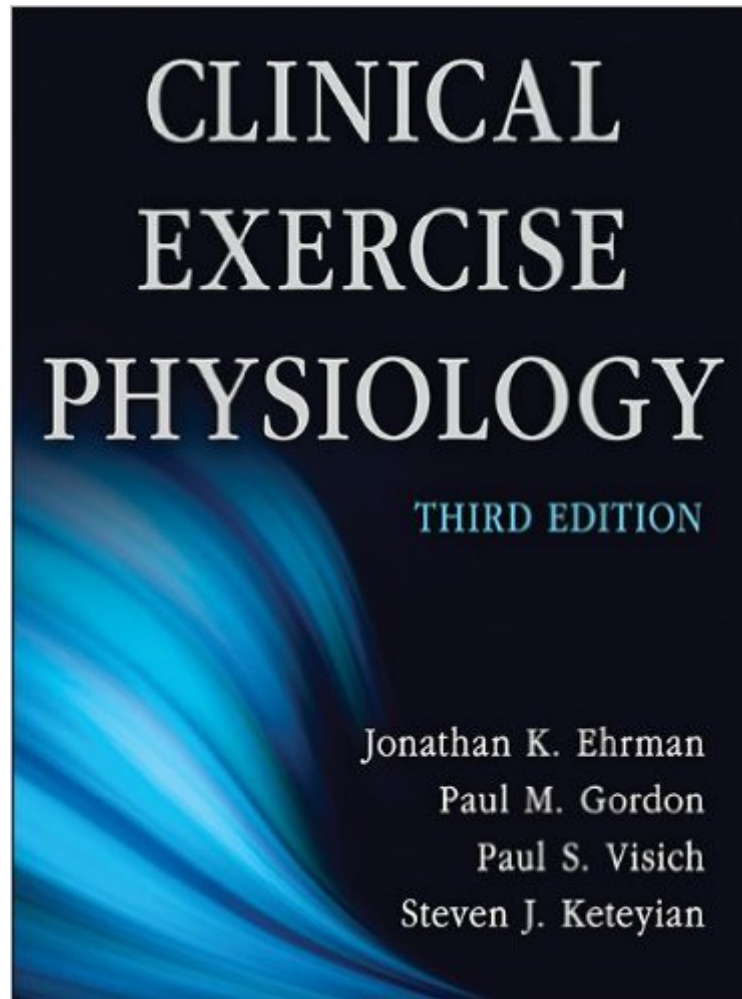


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# Clinical Exercise Physiology-3rd Edition



## Synopsis

Clinical Exercise Physiology, Third Edition, provides a comprehensive look at the clinical aspects of exercise physiology by thoroughly examining the relationship between exercise and chronic disease. Updated and markedly revised throughout, this third edition reflects important changes that have occurred in the field. It provides professionals and students with fundamental knowledge of disease-specific pathology and treatment guidelines while also guiding readers through exercise testing and training principles for patients with chronic diseases. The third edition of Clinical Exercise Physiology builds on information presented in the previous editions with reorganized chapters, updated and revised content, and the latest information on the key practice areas of clinical exercise physiology: endocrinology, the metabolic system, the cardiovascular system, the respiratory system, oncology, the immune system, bone and joint health, and the neuromuscular system. The detailed chapters address 27 diseases and populations that clinical exercise physiologists encounter in their work and provide guidance for the expert care of the populations discussed. Each chapter covers the scope of the condition; its physiology, pathophysiology and treatment options; clinical considerations, including the administration of a graded exercise test; and exercise prescription. Clinical Exercise Physiology, Third Edition, also details how clinical exercise physiologists can most effectively address issues facing special populations, including children and the elderly. Updates to this edition include the following:

- Patient case studies allow students to gain additional insight regarding the material and put their knowledge into practice.
- Revised and updated content throughout the entire book reflects the recent changes in exercise testing and training principles and practices.
- A new chapter on intellectual disability lends evidence to how the field has evolved in considering patients with more widely diagnosed diseases and conditions.
- Practical application boxes offer tips on maintaining a professional environment for client-clinician interaction, a literature review, and a summary of the key components of prescribing exercise.
- Discussion questions highlight important concepts that appear throughout the text to encourage critical thinking.
- Updated ancillaries, including a test package and presentation package plus image bank, allow instructors to more effectively convey the concepts presented in the text and prepare students for careers in the field.

Clinical Exercise Physiology, Third Edition, is the most up-to-date resource for professionals looking to enhance their knowledge on emerging topics and applications in the field. This comprehensive resource is an asset to new and veteran clinical exercise physiologists as well as those preparing for the American College of Sports Medicine Registered Clinical Exercise Physiologist (ACSM RCEP) certification. A must-have study tool for examination candidates, the text provides in-depth coverage of all the clinical

populations that benefit from physical activity and exercise. v

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