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Nota di contenuto	Dedication -- Foreword -- Preface -- Acknowledgments -- Contributors -- Introduction -- Section I: Introduction to Space Medicine -- Chapter 1: Evolution of Human Capabilities and Space Medicine -- Chapter 2: The Environment of Space Exploration -- Chapter 3: Living and Working in Space: An Overview of Physiological Adaptation, Performance, and Health Risks -- Section II: Space Craft Environments -- Chapter 4: Toxicology -- Chapter 5: Microbiology -- Chapter 6: Acoustics and Audition -- Chapter 7: Radiation Health and Protection -- Section III: Space Flight and Crew Health: Adaptation, Pathophysiology, Rehabilitation, and Countermeasures -- Chapter 8: Cardiopulmonary System: Aeromedical Considerations -- Chapter 9: Neurology -- Chapter 10: Regulatory Physiology -- Chapter 11: Metabolism and Nutrition -- Chapter 12: Clinical Pharmacology and

Therapeutics -- Chapter 13: Musculoskeletal Adaptation to Space Flight -- Chapter 14: Behavioral Health and Performance -- Section IV: Occupational Health and Safety Issues in Space Flight -- Chapter 15: Principles of Crew Health Monitoring and Care -- Chapter 16: International Dimension of Space Medicine -- Section V: Ground-Based and Academic Training Programs -- Chapter 17: Simulations and Analogs (Test-Beds) -- Chapter 18: Training in Space Medicine -- Section VI: Future Perspectives -- Chapter 19: Commercial Space Tourism and Space as a Biomedical Laboratory -- Acronyms.

Sommario/riassunto

As space medicine evolved from the late 1950s onward, the need arose for a ready reference for students and practitioners on the basic concepts of this new specialty. Through three editions edited by leaders in the development of space medicine, this classic text has met the need. This fourth edition of Space Physiology and Medicine provides succinct, evidence-based summaries of the current knowledge base in space medicine and serves as a source of information on the space environment, responses, and practices. Additionally, there is extensive online material available for each chapter, featuring overviews and self-study questions.
