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Limitation of Food Intake Measurement -- 1.6. Summary for the Short and Acute Effects of Exercise on EI -- 2. Acute and Short Term Non-Structured Physical Activity Compensatory Response to Structured Physical Activity Energy Expenditure -- 3. Medium and Long Term EI Compensatory Responses to Structured Physical Activity Energy Expenditure -- 3.1. Women and Men -- 3.2. Lean and Obese -- 3.3. Cognitive Factors -- 3.4. Summary for the Medium and Long Effects of Structured Physical Activity Energy Expenditure on Energy Intake. 4. Medium and Long Term Non-Structured Physical Activity Compensatory Response to Structured Physical Activity Energy Expenditure -- 4.1. Structured Physical Activity Energy Expenditure and Decreased Non-Structured Physical Activity -- 4.2. Structured Physical Activity Energy Expenditure and Increased Non-Structured Physical Activity -- 4.3. Summary for the Medium and Long Effects of Structured Physical Activity Energy Expenditure on EE -- Conclusion -- References -- CHAPTER 3. Calories and their Role in Weight Gain/Loss -- Abstract -- Introduction -- Excess of Calorie Intake: Obesity -- Metabolic Complications of Obesity -- Diet Composition X Metabolism -- Strategies for Weight Loss -- Endocrine Alterations in Response to Calorie Restriction in Humans -- Final Considerations -- References -- CHAPTER 4. Weight Gain in Kidney Transplant Recipients: Risks, Cardiovascular Outcome and Management -- Abstract -- Introduction -- Obesity -- Weight Gain after Kidney Transplantation -- Risk Factors for Cardiovascular Disease -- Immunosuppressive Drugs and Cardiovascular Risk -- Complications Related to Obesity -- Management of Obesity in Recipients -- Conclusion -- References -- CHAPTER 5. Combined Effect of Exercise Training and Protein Diet on Beating Obesity -- Abstract -- Introduction -- Methods and Materials -- Animals and Treatments -- Experimental Protocol -- Determination of Hormonal and Biochemical Parameters -- Statistical Analysis -- Results -- Discussion -- References -- CHAPTER 6. Determinants of Successful Body Weight Reduction -- Abstract -- Purpose -- Methods -- Results -- Conclusion -- Introduction -- Methods -- Study Subjects and Weight Loss Program -- Statistical Analysis -- Results -- Discussion -- Conclusion -- Acknowledgments -- Conflict of Interest -- References -- CHAPTER 7. Obesity Management: Is Weight Loss Always Justified? -- Abstract -- Introduction -- Section I. - Are We Part of the Problem? -- Section II. - Traditional Obesity Treatment: A "Weight-Loss Centered" Approach -- Section III. - Underlying Factors in Unsuccessful Weight-Loss Attempts -- Altered Eating Behaviour -- Altered Appetite Control -- Sleep Deprivation -- Stress -- Depressive Symptoms -- Section IV. - Weight Loss Maintenance Challenges -- Section V. - The New Paradigm: Changes in Obesity Treatment -- Section VI. - Conclusion: is Weight Loss Always Justified? -- 1. Treat Obesity on the Basis of the Global Health Status Rather Than Just on Weight -- 2. Consider Barriers to Weight Loss in Obesity Treatment -- 3. Design the Most Appropriate Intervention for Each Individual -- 4. Integrate Continued Support and Follow-Up into a Multi-Dimensional Approach -- References -- Index.

Sommario/riassunto

Obesity is a public health and policy problem because of its prevalence, costs, and health effects. In this book, the authors gather topical research on calories and their role in weight loss/gain and nutrition as well as the patterns, risks and psychosocial effects of weight change. Topics discussed include out-of-home eating and weight gain; effects of structured exercise and food take in weight loss and the combined effect of a protein diet and exercise training in beating obesity.