Contents

List of Contr	ributors Three Table Some restricted by the viriable learning of table	V
Preface	Chystotogical with Psychological Mechanisms	vii
Part I: The	Obesity Epidemic	1
Chapter 1	Introduction Claude Bouchard	3
Chapter 2	The Current Epidemic of Obesity Jacob C. Seidell	21_
Chapter 3	Overweight, Mortality, and Morbidity George A. Bray	31
Chapter 4	The Cost of Obesity and Sedentarism in the United States Graham A. Colditz and Anna Mariani	55
Part II: Th	ne Biological and Behavioral Determinants of Obesity	67
Chapter 5	The Determinants of Obesity Arline D. Salbe and Eric Ravussin	69
Chapter 6	Assessment of Human Energy Expenditure Christopher L. Melby, Richard C. Ho, and James O. Hill	103
Chapter 7	The Assessment of Energy and Nutrient Intake in Humans Klaas R. Westerterp	133
Chapter 8	Human Energy and Nutrient Balance Isabelle Dionne and Angelo Tremblay	151
Chapter 9	Adipose Tissue Metabolism and Obesity Paul Poirier and Robert H. Eckel	181
Chapter 10	Skeletal Muscle Metabolism and Obesity Jean-Aimé Simoneau and David E. Kelley	201
Part III:	Physical Activity in the Prevention and Treatment of Obesity	211
Chapter 11	is a court of more and first experimental a result. Annual of moderators were residual colored on a	213
Chapter 12	Physical Activity Level and Weight Control in Adults Andrew M. Prentice and Susan A. Jebb	247
Chapter 13	Physical Activity Level and Weight Control in Older Citizens Eric T. Poehlman	263
Chapter 14	4 Physical Activity Level and Weight Control During Pregnancy Stephan Rössner	279

Chapter 15	Physical Activity Level and the Treatment of Severe Obesity Walker S. Carlos Poston, Richard R. Suminski, and John P. Foreyt	295
Chapter 16	Physical Activity and Maintenance of Weight Loss: Physiological and Psychological Mechanisms Christina Wood Baker and Kelly D. Brownell	311
Part IV: P	hysical Activity, Fitness, and Health in the Obese State	329
	Physical Activity and the Metabolic Complications of Obesity Jean-Pierre Després and Benoît Lamarche	331
Chapter 18	Is It Possible to Be Overweight or Obese and Fit and Healthy? Suzanne Brodney, Steven N. Blair, and Chong Do Lee	355
Chapter 19	Changing Lifestyle: Moving From Sedentary to Active Rena R. Wing and John M. Jakicic	372
Index About the		390 400

Adipose Tissue Metabolism and Obesity

Chapter H. Physical Activity and Body Composition in