

# Contents

Preface to the Second Edition .....	vii
Preface to the First Edition .....	ix
Contributors .....	xiii
<b>Part I Introduction to Clinical Geriatrics</b>	
1 The Practice of Geriatric Anesthesia .....	3
<i>Jeffrey H. Silverstein</i>	
2 Demographics and Economics of Geriatric Patient Care .....	15
<i>Maria F. Galati and Roger D. London</i>	
3 Theories of Aging .....	29
<i>Stanley Muravchick</i>	
4 Ethical Management of the Elderly Patient .....	38
<i>Paul J. Hoehner</i>	
5 Teaching Geriatric Anesthesiology to Practitioners, Residents, and Medical Students .....	58
<i>Sheila J. Ellis</i>	
6 Research Priorities in Geriatric Anesthesiology .....	66
<i>Christopher J. Jankowski and David J. Cook</i>	
<b>Part II Cardinal Manifestations of Aging and Disease in the Elderly</b>	
7 Alterations in Metabolic Functions and Electrolytes .....	97
<i>Michael C. Lewis</i>	
8 Perioperative Thermoregulation .....	107
<i>Daniel I. Sessler</i>	
9 Postoperative Central Nervous System Dysfunction .....	123
<i>Deborah J. Culley, Terri G. Monk, and Gregory Crosby</i>	
10 Alterations in Circulatory Function .....	137
<i>Thomas J. Ebert and G. Alec Rooke</i>	
11 The Aging Respiratory System: Anesthetic Strategies to Minimize Perioperative Pulmonary Complications .....	149
<i>Rodrigo Cartin-Ceba, Juraj Sprung, Ognjen Gajic, and David O. Warner</i>	

12	Operative Debridements of Chronic Wounds . . . . .	165
	<i>Andrew M. Hanflik, Michael S. Golinko, Melissa Doft,</i> <i>Charles Cain, Anna Flattau, and Harold Brem</i>	

### **Part III Anesthetic Management of the Aged Surgical Candidate**

13	Preoperative Risk Stratification and Methods to Reduce Risk . . . . .	181
	<i>Linda L. Liu and Jacqueline M. Leung</i>	
14	Anesthetic Implications of Chronic Medications . . . . .	197
	<i>Tamas A. Szabo and R. David Warters</i>	
15	The Pharmacology of Opioids . . . . .	209
	<i>Steven L. Shafer and Pamela Flood</i>	
16	Intravenous Hypnotic Anesthetics . . . . .	229
	<i>Matthew D. McEvoy and J.G. Reves</i>	
17	Inhalational Anesthetics . . . . .	246
	<i>Gary R. Haynes</i>	
18	Relaxants and Their Reversal Agents . . . . .	266
	<i>Cynthia A. Lien and Takahiro Suzuki</i>	
19	Management of Regional Anesthesia . . . . .	278
	<i>Bernadette Veering</i>	
20	Fluid Management . . . . .	293
	<i>Jessica Miller, Lee A. Fleisher, and Jeffrey L. Carson</i>	
21	Pain Management . . . . .	308
	<i>Jack M. Berger</i>	
22	Anesthesia Considerations for Geriatric Outpatients . . . . .	322
	<i>Kathryn E. McGoldrick</i>	

### **Part IV Anesthesia for Common Surgical Procedures in the Aged**

23	Sedation and Monitoring . . . . .	341
	<i>Sheila R. Barnett</i>	
24	Total Hip Replacement, Joint Replacement, and Hip Fracture . . . . .	355
	<i>Idit Matot and Shaul Beyth</i>	
25	Transurethral Prostatectomy Syndrome and Other Complications of Urologic Procedures . . . . .	368
	<i>Daniel M. Gainsburg</i>	
26	Thoracic Procedures . . . . .	378
	<i>Steven M. Neustein and James B. Eisenkraft</i>	
27	Cardiac Procedures . . . . .	390
	<i>James H. Abernathy III</i>	
28	Vascular Procedures . . . . .	398
	<i>Leanne Groban and Sylvia Y. Dolinski</i>	
29	Abdominal Procedures . . . . .	416
	<i>Jeffrey H. Silverstein</i>	
	Index . . . . .	429

Geriatric Anesthesiology

Silverstein, J.; Rooke, A.; Reves, J.G.; McLeskey, C.H.  
(Eds.)

2008, XVI, 440 p. 141 illus., Hardcover

ISBN: 978-0-387-72526-0