

Contents

Contributing Authors xi

Preface xv

Acknowledgments xvi

Section I The Respiratory System

- 1 Asthma—Chronic Obstructive Pulmonary Disease (COPD) 3
Fun-Sun F. Yao
- 2 Bronchoscopy and Thoracotomy 30
Fun-Sun F. Yao
- 3 Aspiration Pneumonitis and Acute Respiratory Failure 53
Fun-Sun F. Yao
- 4 Tracheoesophageal Fistula 86
Marjorie J. Topkins
- 5 Congenital Diaphragmatic Hernia 100
Fun-Sun F. Yao
John J. Savarese
- 6 Lung Transplantation 115
Paul M. Heerdt

Section II The Cardiovascular System

- 7 Ischemic Heart Disease and Coronary Artery Bypass Grafting 135
Fun-Sun F. Yao
- 8 Valvular Heart Disease 194
Gregg S. Hartman
Stephen J. Thomas
- 9 Tetralogy of Fallot 218
Marjorie J. Topkins
- 10 Transposition of the Great Arteries 237
Doreen L. Wray Roth

- 11 Pacemaker 258
Fun-Sun F. Yao
- 12 Thoracic Aortic Aneurysm 276
Fun-Sun F. Yao
- 13 Abdominal Aortic Aneurysm Resection and Postoperative
Pain Management 296
Lori A. Rubin
Howard L. Rosner
- 14 Hypertension 316
Fun-Sun F. Yao
- 15 Postoperative Hemorrhage with Cardiac Tamponade 334
Onofrio Patafio
- 16 Patent Ductus Arteriosus and Prematurity 352
Fun-Sun F. Yao
Robert E. Kelly
- 17 Heart Transplantation and Subsequent Noncardiac Surgery 371
Davy C.H. Cheng
- 18 Ischemic Heart Disease and Noncardiac Surgery 385
Fun-Sun F. Yao

Section III The Gastrointestinal System

- 19 Intestinal Obstruction 407
Joseph Tjan
- 20 Pyloric Stenosis 424
Vinod Malhotra

Section IV The Nervous System

- 21 Brain Tumor and Craniotomy 439
Alan Van Poznak
- 22 Carotid Endarterectomy 455
Cynthia A. Lien
Alan Van Poznak
- 23 Spinal Cord Tumor 482
Elon H. Mehr
Alan Van Poznak
- 24 Head Injury 492
Robert F. Bedford

- 25 Cerebral Aneurysm 504
Patricia Fogarty Mack
- 26 Reflex Sympathetic Dystrophy 525
Vinod Malhotra
- 27 Brachial Plexus Block 534
Vinod Malhotra
- 28 Nerve Blocks of the Lower Extremity 545
Jeffrey Y.F. Ngeow
- 29 Cancer Pain 556
Mindy Lyn Nestampower
Samyadev Datta
Subhash Jain

Section V The Endocrine System

- 30 Thyrotoxicosis 571
Dana L. Oster
Su-Pen Bobby Chang
- 31 Pheochromocytoma 584
Gregory E. Kerr
- 32 Diabetes 596
Vinod Malhotra

Section VI The Genitourinary System

- 33 Transurethral Resection of the Prostate 611
Isaac Azar
Fun-Sun F. Yao
- 34 Kidney Transplant 633
Fun-Sun F. Yao
- 35 Placenta Previa/Placenta Accreta 654
Howard D. Koff
- 36 Pregnancy-Induced Hypertension 681
Edwina Sia-Kho
- 37 Breech Presentation, Fetal Distress, and Mitral Stenosis 704
Jill Fong
- 38 Appendectomy for a Pregnant Patient 720
Farida Gadalla

- 39 Laparoscopic Surgery 732
 Judith Weingram

Section VII The Hematologic System

- 40 Hemophilia and Coagulation Disorders 763
 Robert E. Kelly
 Fun-Sun F. Yao
- 41 Sickle Cell Disease 775
 Vinod Malhotra

Section VIII Eye, Ear, Nose, and Throat

- 42 Open-Eye Injury 787
 Theresa T. Kudlak
- 43 Laser Treatment of Recurrent Respiratory Papillomatosis 804
 Matthew C. Gomillion
- 44 Acute Epiglottitis and the Croup Syndrome 818
 Miles Dinner
- 45 Cleft Palate 827
 Marjorie J. Topkins
- 46 Cervical Mass in Infancy 840
 Miles Dinner
- 47 Airway Trauma 853
 Alexander W. Gotta
 Colleen A. Sullivan
 Rita Donovan

Section IX Miscellaneous

- 48 Myasthenia Gravis 867
 Cynthia A. Lien
 Alan Van Poznak
- 49 Malignant Hyperthermia 878
 Vinod Malhotra
- 50 Prolonged Apnea 891
 Alan Van Poznak
- 51 Burns 898
 Gregg S. Hartman

x *Contents*

52	Trauma 919	
	<i>Ralph L. Slepian</i>	
53	Scoliosis 936	
	<i>Victor M. Zayas</i>	
54	Hypoxia and Equipment Failure 957	
	<i>Alan D. Kestenbaum</i>	
55	Ambulatory Surgery 970	
	<i>Matthew C. Gomillion</i>	
56	Magnetic Resonance Imaging 986	
	<i>Matthew C. Gomillion</i>	
57	Morbid Obesity 1001	
	<i>Fun-Sun F. Yao</i>	
	<i>John J. Savarese</i>	

Index	1019
--------------	------