

Contributors 7

Preface to the Sixth Edition xiii

Preface to the First Edition xv

VOLUME 1

SECTION I

Skin, Soft Tissue, Bone, and Joints

- 1 **Nonneoplastic Diseases of the Skin** 1
Douglas C. Parker and Alvin R. Solomon
- 2 **Nonmelanocytic Cutaneous Tumors** 41
James W. Patterson
- 3 **Melanocytic Lesions** 86
Adriano Piris, Carlos N. Prieto-Granada, Cecilia Lezcano, Michael J. Imber, and Martin C. Mihm, Jr.
- 4 **Muscle Biopsy in Neuromuscular Diseases** 113
Reid R. Heffner, Jr., Steven A. Moore, and Lucia L. Balos
- 5 **Soft Tissues** 148
Jason L. Hornick and John S. J. Brooks
- 6 **Joints** 228
Fiona M. Maclean, S. Fiona Bonar, and Peter G. Bullough
- 7 **Nonneoplastic Diseases of Bones** 255
Fiona M. Maclean, S. Fiona Bonar, and Peter G. Bullough
- 8 **Bone Tumors** 273
Judith K.M.G. Bovée and Carlos E. de Andrea

SECTION II

Breast

- 9 **Breast** 317
Danyil Carter

SECTION III

Central Nervous System

- 10 **Brain, Spinal Cord, and Meninges** 385
Paul E. McKeever

SECTION IV

Endocrine System

- 11 **Neuroendocrine and Paracrine Systems** 489
Ricardo V. Lloyd and Lori A. Erickson
- 12 **Pituitary and Sellar Region** 500
Bernd W. Scheithauer[†] and M. Beatriz S. Lopes
- 13 **Thyroid and Parathyroid** 533
Zubair W. Baloch and Virginia A. LiVolsi
- 14 **Adrenal Glands** 595
Shamlal Mangray and Ronald A. DeLellis
- 15 **Paragangliomas** 647
Ernest E. Lack

SECTION V

Hematopoietic and Lymphatic Systems

- 16 **Bone Marrow** 673
Steven H. Kroft, Alexandra M. Harrington, and Robert W. McKenna
- 17 **Lymph Nodes** 752
William R. Macon, Matthew T. Howard, and Karen L. Grogg
- 18 **Spleen** 817
Jerome S. Burke

[†]Deceased.

SECTION VI

Head and Neck

- 19 **Jaws, Oral Cavity, and Oropharynx** 849
Richard J. Zarbo
- 20 **Salivary Glands** 906
Stacey E. Mills
- 21 **Nose, Paranasal Sinuses, and Nasopharynx** 947
Stacey E. Mills
- 22 **Larynx** 994
Edward B. Stelow
- 23 **Ear and Temporal Bone** 1020
Bruce M. Wenig
- 24 **Eye and Ocular Adnexa** 1065
Alexandre N. Odashiro, Thomas J. Cummings, and Miguel N. Burnier, Jr.

SECTION VII

Intrathoracic Organs and Blood Vessels

- 25 **Nonneoplastic Pulmonary Disease** 1097
Douglas B. Flieder and Arthur S. Patchefsky
- 26 **Pulmonary Neoplasms** 1160
Giulio Rossi and Alberto Cavazza
- 27 **Pleura** 1207
Edward B. Stelow
- 28 **Mediastinum** 1230
Mark R. Wick and Giulio Rossi
- 29 **Heart** 1299
Gerald J. Berry and Charles C. Marboe
- 30 **Blood Vessels** 1353
Elena Ladich and Renu Virmani

VOLUME 2

SECTION VIII

Alimentary Canal and Associated Organs

- 31 **Esophagus** 1375
Ilyssa O. Gordon and John R. Goldblum
- 32 **Stomach** 1409
David F. Schaeffer and David A. Owen
- 33 **Nonneoplastic Intestinal Diseases** 1447
Robert E. Petras
- 34 **Intestinal Neoplasms** 1505
Harry S. Cooper
- 35 **Pancreas** 1577
Lester D.R. Thompson, Olca Basturk, and N. Volkan Adsay
- 36 **Nonneoplastic Liver Disease** 1663
Ryan M. Gill and Sanjay Kakar
- 37 **Masses of the Liver** 1704
Kay Washington
- 38 **Gallbladder, Extrahepatic Biliary Tree, and Ampulla** 1770
N. Volkan Adsay
- 39 **Anus and Perianal Area** 1847
Henry D. Appelman

SECTION IX

Urinary Tract and Male Genital System

- 40 **Developmental Abnormalities of the Kidney** 1859
Pawini Khanna
- 41 **Adult Renal Diseases** 1877
Tibor Nádasdy, Anjali A. Satoskar, and Gyongyi Molnar-Nádasdy
- 42 **Adult Renal Tumors** 1968
Satish K. Tickoo and Victor E. Reuter
- 43 **Renal Neoplasms of Childhood** 2018
Pedram Argani and J. Bruce Beckwith
- 44 **Urothelial Tract: Renal Pelvis, Ureter, Urinary Bladder, and Urethra** 2049
Victor E. Reuter and Hikmat AL-Ahmadie

45 Prostate and Seminal Vesicles 2097
Jonathan I. Epstein and George J. Netto

46 Nonneoplastic Diseases of the Testis . . . 2143
Christopher G. Przybycin and Cristina Magi-Galluzzi

47 Testicular and Paratesticular Tumors . . . 2175
Thomas M. Ulbright and Daniel M. Berney

48 Penis 2245
Elsa F. Velazquez, Diego Fernando Sanchez, Jose E. Barreto, and Antonio L. Cubilla

52 Cervix 2388
Christina S. Kong and W. Glenn McCluggage

53 Uterine Corpus 2438
Teri A. Longacre, Kristen A. Atkins, Richard L. Kempson, and Michael R. Hendrickson

54 Ovarian Epithelial–Stromal Tumors 2536
C. Blake Gilks, Robert H. Young, and Philip B. Clement

55 Sex Cord–Stromal, Steroid Cell, and Germ Cell Tumors of the Ovary 2571
Esther Oliva, Philip B. Clement, and Robert H. Young

56 Miscellaneous Primary Tumors, Secondary Tumors, and Nonneoplastic Lesions of the Ovary . . . 2614
Melinda F. Lervill, Philip B. Clement, and Robert H. Young

57 Fallopian Tube and Broad Ligament 2648
Sarah Chiang, Philip B. Clement, and Robert H. Young

58 Peritoneum 2672
Julie A. Irving, Robert H. Young, and Philip B. Clement

SECTION X

Female Reproductive System and Peritoneum

49 Gestational Trophoblastic Disease 2297
Ie-Ming Shih, Michael T. Mazur, and Robert J. Kurman

50 Placenta 2320
Ann K. Folkens and Drucilla J. Roberts

51 Vulva and Vagina 2349
Teri A. Longacre and Stacey E. Mills

Index I-1