

Contents

1 Germ Cell Tumors: Classifications, Definitions, and Terminology	1
Ivan Damjanov	
2 The Epidemiology of Malignant Germ Cell Tumors: The EURO CARE Study	11
Annalisa Trama and Franco Berrino	
3 Germ Cell Tumors from a Developmental Perspective: Cells of Origin, Pathogenesis, and Molecular Biology (Emerging Patterns)	23
J. Wolter Oosterhuis and Leendert H.J. Looijenga	
4 Diagnostic Immunopathology of Germ Cell Tumors	131
Ovidiu Preda and Francisco F. Nogales	
5 Management of Germ Cell Tumors	181
Manish Kohli, Ben Y. Zhang, and Brian A. Costello	
6 Germ Cell Tumors of the Female Genital Tract	195
Francisco F. Nogales and Maolly Schuldt	
7 Testicular Germ Cell Tumors	267
Rafael E. Jimenez, Sounak Gupta, Loren P. Herrera-Hernandez, and Thomas J. Sebo	
8 Mediastinal Germ Cell Tumors	327
Anja C. Roden	
9 Central Nervous System Germ Cell Tumors	365
M. Adelita Vizcaino and Fausto J. Rodriguez	
10 Pediatric Germ Cell Tumors	381
Eduardo Zambrano, Danielle Vargas De Stefano, and Miguel Reyes-Múgica	

11 Germ Cell Tumors of Miscellaneous Extragonadal Sites 397
Alejandro Rubio-Fernández, Juan Antonio Retamero,
and Francisco F. Nogales

12 Somatic-Type Malignancy in Germ Cell Tumors 419
Nooshin K. Dashti and Rafael E. Jimenez

Index 441