Contents

Preface ................................................................. vii
Contributors ......................................................... xi
1 Defining the Problem: From Subclinical Disease to Clinically Insignificant Prostate Cancer ......................... 1
   Wael Sakr
2 What Every Patient Should Know about Prostate Cancer Before He Submits to Biopsy of His Prostate .............. 13
   Thomas A. Stamey, Rosalie Nolley, and Dorothea Torti
3 Prostate-Specific Antigen and Prostate Cancer Screening ..... 15
   Stacy Loeb, Misop Han, and William J. Catalona
4 The Role of Complexed Prostate-Specific Antigen in Prostate Cancer Screening ............................................. 29
   Matthew E. Nielsen and Alan W. Partin
5 Newly Recognized Forms of Prostate-Specific Antigen and Emerging Molecular Markers ............................. 43
   Eduardo I. Canto and Kevin M. Slawin
6 The Role of Prostate-Specific Antigen Velocity in the Diagnosis and Management of Prostate Cancer .......... 61
   H. Ballentine Carter
7 Prostate Cancer Screening: Navigating the Controversy ...... 71
   Timothy C. Brand and Ian M. Thompson
8 Prostate Cancer Nomograms and How They Measure Up to Neural Networks ............................................. 83
   Pierre I. Karakiewicz and Michael W. Kattan
9 Preparation for Prostate Biopsy .................................. 97
   Alan M. Nieder and Mark S. Soloway
10 Principles of Prostate Ultrasound ................................ 105
   Martha K. Terris
11 Minimizing Pain and Optimizing Patient Experience During Prostate Biopsy .............................................. 121
   J. Stephen Jones
12 Prostate Biopsy Techniques ...................................... 143
   Katsuto Shinohara
13 Biopsy Strategies—How Many and Where? ..................... 165
   Joseph C. Presti, Jr.
14 Transperineal Prostate Biopsy ................................. 179
   Paolo Emiliozzi and Vito Pansadoro

15 Repeat Prostate Biopsies and the Vienna Nomograms. .... 199
   Bob Djavan and Sibylle Marthart

16 Saturation Biopsy for Detection and Characterization
   of Prostate Cancer............................................. 217
   J. Stephen Jones

17 Pathologic Implications of Prostate Biopsy.................. 231
   Ming Zhou and Cristina Magi-Galluzzi

18 Complications of Transrectal Ultrasound–Guided
   Prostate Biopsy ................................................. 255
   Sam S. Chang and Michael S. Cookson

19 Management and Controversies of High-Grade Prostatic
   Intraepithelial Neoplasia and Atypical Small Acinar
   Proliferation on Prostate Biopsy........................... 269
   Alon Z. Weizer, Scott M. Gilbert, Rajal B. Shah, and
   David P. Wood, Jr.

20 Future Directions in Prostate Cancer Diagnosis ............ 287
   Nicholas J. Fitzsimons, Lionel L. Bañez, Leon L. Sun, and
   Judd W. Moul

Index ................................................................. 313
Prostate Biopsy
Indications, Techniques, and Complications
Jones, J.S. (Ed.)
2008, 344 p. 77 illus., Hardcover
ISBN: 978-1-58829-790-7
A product of Humana Press