

Contents

Pathology and Molecular Biology of Prostate Cancer

1	Morphogenetic Aspects of Prostate Cancer H. Bonkhoff	3
2	Cytogenetics of Prostate Cancer L. Bubendorf	13
3	Molecular Dissection of the Prostate Cancer Genome V. Srikantan, S. Srivastava	25
4	Diagnosis and Clinical Significance of Prostatic Intraepithelial Neoplasia V. Ravary, L. Boccon-Gibod	41

Diagnosis and Staging of Prostate Cancer

5	Prostate Biopsy – When, How, and When to Repeat? W. Hörtl	49
6	Molecular Forms of Prostate-Specific Antigen for Prostate Cancer Detection B. Djavan, M.K. Brawer, M. Marberger	55
7	Clinical and Pathohistological Prognosticators H. Huland, M. Graefen, A. Haese, P.G. Hammerer, J. Palisaar, U. Pichlmeier, R.-P. Henke, A. Erbersdobler, E. Huland, H. Lilja ..	67
8	Preoperative Staging P. Hammerer, M. Graefen, A. Haese, J. Palisaar, J. Noldus, S. Fernandez, H. Huland	77
9	Preoperative Staging of Prostate Cancer: The Role of Molecular Markers J. W. Moul, A. S. Merseburger	91
10	Preoperative Imaging Techniques in Prostate Cancer R. Hofmann, A. Heidenreich, S. Wille, Z. Varga, R. v. Knobloch	101

11	Extended Pelvic Lymphadenectomy in Clinically Localized Prostate Cancer: High Frequency of Lymph Node Metastases A. Heidenreich, Z. Varga, R. v. Knobloch, D. Brandt, R. Hofmann	113
----	---	-----

Operative Therapy of Clinically Localized Prostate Cancer

12	Anatomy: Surgical Aspects R. Hofmann	127
13	Extended Pelvic Lymphadenectomy R. Hofmann	137
14	Radical Ascending Retropubic Prostatectomy R. Hofmann	141
15	Radical Descending Retropubic Prostatectomy R. Hofmann	145
16	Radical Retropubic Nerve Sparing Prostatectomy H. Huland, R. Hofmann	149
17	Perineal Prostatectomy D. Paulson, R. Hofmann	157
18	Penile Prosthesis Implantation F. Schreiter, R. Hofmann	165
19	Artificial Urinary Sphincter Implantation F. Schreiter, R. Hofmann	169

Radiotherapy for Localized Prostate Cancer

20	Radiation Therapy of Prostate Cancer P. Vacha, R. Engenhart-Cabillic	177
21	Brachytherapy of Localized Prostate Cancer S. Deger, D. Böhmer, I. Türk, J. Roigas, S.A. Loening	185

Complications Following Radical Prostatectomy

22	Quality of Life Following Radical Prostatectomy R.R. Berges, T. Senge	199
23	Diagnosis and Therapy of Erectile Dysfunction Following Radical Prostatectomy A. Heidenreich, P. Olbert, R. Hofmann	211

24	Diagnosis and Therapy of Urinary Stress Incontinence Following Radical Prostatectomy R. Hofmann, F. Schreiter	221
----	--	-----

Therapy of Advanced Prostate Cancer

25	Is Radical Lymphadenectomy Indicated in Lymph Node-Positive Disease? R.S. Foster	231
26	Hormone Therapy for Prostate Cancer D. Raghavan	237
27	Therapeutic Options in Hormone Refractory Prostate Cancer A. Heidenreich	249
	Subject Index	269

CD-ROM with LIVE Surgery

1	Transrectal Multicore Prostate Biopsy in Local Anaesthesia R. v. Knobloch, R. Hofmann
2	Extended Pelvic Lymphadenectomy R. Hofmann
3	Radical Ascending Retropubic Prostatectomy R. Hofmann
4	Radical Descending Retropubic Prostatectomy R. Hofmann
5	Radical Retropubic Nerve Sparing Prostatectomy H. Huland
6	Perineal Prostatectomy D. Paulson
7	Laparoscopic Radical Prostatectomy I. Türk
8	Laparoscopic Nerve Sparing Radical Prostatectomy T. Sulser
9	Implantation of Penile Prosthesis F. Schreiter
10	Implantation of Artificial Urinary Sphincter F. Schreiter