

1 SURGICAL BASICS

- 1 Surgical Basics, 1
Melissa R. Kaufman, Joseph A. Smith, Jr.
- 2 Suture Techniques, 11
Lee Ponsky, Matthew Bream
- 3 Reconstructive Techniques, 19
Jairam R. Eswara, Steven B. Brandes
- 4 Bowel Stapling and Closure Techniques, 35
Molly M. Cone, Timothy M. Geiger
- 5 Methods of Nerve Block, 39
Christopher S. Ng, Jonathan Hausman
- 6 Basic Laparoscopy, 43
Tracy Marien, S. Duke Herrell
- 7 Basics of Robotic Surgery, 52
Deepansh Dalela, Alex Borchert, Akshay Sood, James Peabody

2 KIDNEY: EXCISION

- 8 Surgical Approaches for Open Renal Surgery, Including Open Radical Nephrectomy, 61
Justin R. Gregg, Kristen R. Scarpato
- 9 Open Partial Nephrectomy, 76
Kae Jack Tay, Edward N. Rampersaud, Brant A. Inman
- 10 Open and Laparoscopic Nephroureterectomy, 82
Jacob T. Ark, S. Duke Herrell
- 11 Vena Caval Thrombectomy, 97
Michael L. Blute, Sr., Brant A. Inman, Francisco J. Gelpi
- 12 Laparoscopic Nephrectomy, 112
Michael Ordon, Jaime Landman
- 13 Laparoscopic and Robotic-Assisted Laparoscopic Partial Nephrectomy, 122
Thomas W. Jarrett, Alice Semerjian
- 14 Percutaneous Resection of Upper Tract Urothelial Carcinoma, 128
Clinton D. Bahler, Chandru P. Sundaram

3 KIDNEY: RECONSTRUCTION

- 15 Open Pyeloplasty, 131
John S. Wiener
- 16 Surgery of the Horseshoe Kidney, 141
Zeph Okeke, Philip T. Zhao, Arthur D. Smith
- 17 Repair of Renal Injuries, 149
Jill C. Buckley
- 18 Surgery for Renal Vascular Disease and Principles of Vascular Repair, 155
Venkatesh Krishnamurthi, David A. Goldfarb
- 19 Renal Transplant Recipient, 162
John M. Barry
- 20 Endoscopic Management of Ureteral Strictures, 175
Husain Alenezi, John D. Denstedt
- 21 Percutaneous Endopyeloplasty, 178
Mahesh R. Desai, Mihir M. Desai, Arvind P. Ganpule
- 22 Laparoscopic and Robotic Pyeloplasty, 182
Michael N. Ferrandino, Fernando Cabrera

- 23 Laparoscopic Live Donor Nephrectomy, 189
Leonard Glickman, Ravi Munver
- 24 Open Stone Surgery: Anatomic Nephrolithotomy and Pyelolithotomy, 197
Manish N. Patel, Jorge Gutierrez-Acevez

4 ENDOSCOPIC AND PERCUTANEOUS RENAL SURGERY

- 25 Anatomic Basis for Renal Endoscopy, 204
Francisco J. B. Sampaio
- 26 Percutaneous Renal Access, 214
Michael S. Borofsky, James E. Lingeman
- 27 Percutaneous Nephrolithotomy, 223
Abhishek P. Patel, Bodo E. Knudsen
- 28 Laparoscopic Access, 234
Khurshid Ridwan Ghani, J. Stuart Wolf Jr.
- 29 Renal Cryosurgery, 241
Kae Jack Tay, Charles Kim, Thomas J. Polascik
- 30 Renal Radiofrequency Ablation, 248
Noah E. Canvasser, Ilia S. Zeltser, Jeffrey A. Cadeddu

5 ADRENAL EXCISION

- 31 Robotic, Laparoscopic, and Open Approaches to the Adrenal Gland (Benign), 252
Vignesh Packiam, David Hatcher, Arie Shalhav
- 32 Open and Laparoscopic Approaches to the Adrenal Gland (Malignant), 268
Peter A. Caputo, Jihad H. Kaouk

6 URETERAL RECONSTRUCTION AND EXCISION

- 33 Ureteroneocystostomy, 275
John C. Pope IV
- 34 Bladder Flap Repair (Boari), 291
Priya Padmanabhan
- 35 Ureteral Stricture Repair and Ureterolysis, 294
Andrew C. Peterson
- 36 Ureteroureterostomy and Transureteroureterostomy, 302
John Lacy, Shubham Gupta
- 37 Ileal Ureteral Replacement, 306
Michael L. Guralnick, R. Corey O'Connor
- 38 Ureterolithotomy, 310
Amy E. Krambeck, Andrew Blackburne
- 39 Endoscopic Management of Vesicoureteral Reflux, 315
Angela M. Arlen, Andrew J. Kirsch

7 ENDOSCOPIC URETERAL SURGERY

- 40 Ureteroscopic Instrumentation, 318
Ben H. Chew, David I. Harriman
- 41 Ureteroscopic Management of Ureteral Calculi, 325
Michelle Jo Semins, Brian R. Matlaga
- 42 Ureteroscopic Management of Renal Calculi, 329
Michael E. Lipkin

- 43 Ureteroscopic Endopyelotomy and Endoureterotomy, 332
Aaron H. Lay, Margaret S. Pearle
- 44 Ureteroscopic Management of Upper Tract Urothelial Carcinoma, 338
Scott G. Hubosky, Raymond W. Pak, Demetrius H. Bagley Jr.
- 45 Endoscopic Incision of Ureterocele, 343
Earl Y. Cheng
-
- 8 BLADDER: EXCISION**
-
- 46 Transurethral Resection of Bladder Tumors, 345
Alison M. Christie
- 47 Partial Cystectomy, 347
Neema Navai, Colin P.N. Dinney
- 48 Radical Cystectomy in Male Patients, 353
Kristen R. Scarpato, Brock O'Neil, Sam S. Chang
- 49 Radical Cystectomy in Female Patients, 360
Brock O'Neil, Kristen R. Scarpato, Sam S. Chang
- 50 Urethrectomy, 366
Erik N. Mayer, Jeremy B. Myers, Christopher B. Dechet
- 51 Pelvic Lymphadenectomy, 372
Peter E. Clark
- 52 Excision of Vesical Diverticulum, 385
Dena Engel
- 53 Cystolithotomy, 391
Sarah F. Faris
- 54 Laparoscopic/Robotic Radical Cystectomy, 393
Haidar M. Abdul-Muhsin, Michael E. Woods, Erik P. Castle
-
- 9 CONTINENT RECONSTRUCTION**
-
- 55 Ileocecal Reservoir, 404
Clint Cary, Hristos Z. Kaimakliotis, Richard Bibrle
- 56 Appendicovesicostomy, 410
John C. Thomas
- 57 Ureterosigmoidostomy and Mainz Pouch II, 413
Joachim W. Thüroff, Margit Fisch
- 58 Ileal Orthotopic Bladder Substitution, 425
Fiona C. Burkhard, Urs E. Studer
- 59 Robotic Urinary Diversion, 431
Monish Aron, Sameer Chopra, Mihir M. Desai
-
- 10 BLADDER AUGMENTATION**
-
- 60 Ileocystoplasty, 457
Patrick C. Cartwright
- 61 Colocystoplasty, 461
Mark C. Adams
- 62 Ureterocystoplasty, 465
Renea M. Sturm, Elizabeth B. Yerkes
-
- 11 VESICOVAGINAL FISTULA REPAIR**
-
- 63 Transvaginal Repair of Vesicovaginal Fistula, 469
Marisa Clifton, Howard Brian Goldman
- 64 Transvesical Repair of Vesicovaginal Fistula, 474
Nirit Rosenblum, Ekene A. Enemchukwu
- 65 Transperitoneal Vesicovaginal Fistula Repair, 479
Sandip P. Vasavada
- 66 Female Vesical Neck Closure, 483
Tracey Small Wilson, L. Keith Lloyd
-
- 12 PROSTATE: BENIGN**
-
- 67 Transurethral Resection and Transurethral Incision of the Prostate, 491
Douglas F. Milam
- 68 Laser Treatment of Benign Prostatic Disease, 500
Tracy Marien, Nicole L. Miller
- 69 Suprapubic Prostatectomy, 510
Luke Frederick, Kevin T. McVary
- 70 Retropubic Prostatectomy, 519
Bilal Chughtai, Steven A. Kaplan
- 71 Laparoscopic and Robotic Simple Prostatectomy, 528
Rene Sotelo, Oscar Dario Martín Garzón, Nelson Ramirez Troche, Raed A. Azhar
-
- 13 PROSTATE: MALIGNANCY**
-
- 72 Anatomy and Principles of Excision of the Prostate, 540
Michael S. Cookson, Brian W. Cross
- 73 Transrectal Ultrasound-Directed Prostate Biopsy, 546
Sanjay Patel
- 74 Transperineal Prostate Biopsy, 552
James L.P. Symons, Phillip D. Stricker
- 75 Prostate Biopsy With MR Fusion, 557
David F. Penson
- 76 Radical Retropubic Prostatectomy, 562
Michael S. Cookson, Brian W. Cross
- 77 Radical Perineal Prostatectomy, 573
Moben Mirza, J. Brantley Thrasher
- 78 Pelvic Lymph Node Dissection, 583
Massimiliano Spaliviero, James A. Eastham
- 79 Robotic-Assisted Laparoscopic Prostatectomy, 596
Ben Challacombe, Paul Cathcart, Roger S. Kirby
- 80 Cryotherapy, 606
Joseph L. Chin, Khurram Mutabir Siddiqui, Michele Billia
- 81 Focal Therapies in the Treatment of Prostate Cancer, 611
Mark Emberton, Edward J. Bass, Hashim U. Ahmed
- 82 Brachytherapy, 624
Daniel Sagalovich, Nelson N. Stone
-
- 14 FEMALE GENITAL RECONSTRUCTION**
-
- 83 Vaginal Reconstruction, 629
Joshua A. Cohn, Elizabeth Timbrook Brown, W. Stuart Reynolds, Melissa R. Kaufman, Roger R. Dmochowski
- 84 Urethrovaginal Fistula Repair, 634
Kathleen C. Kobashi, Eugene W. Lee, David E. Rapp
- 85 Bulbocavernosus Muscle and Fat Pad Supplement, 638
Shlomo Raz, A. Lenore Ackerman
- 86 Female Urethral Diverticulum, 647
Drew A. Freilich, Eric S. Rovner
- 87 Female Urethral Reconstruction, 655
Victor W. Nitti
- 88 Urethral Prolapse-Caruncle, 663
W. Stuart Reynolds
- 89 Anterior Pelvic Organ Prolapse Repair, 665
Gillian F. Wolff, Jack Christian Winters, Ryan M. Krlin
- 90 Enterocoele Repair, 674
Elizabeth Timbrook Brown, Joshua A. Cohn, Melissa R. Kaufman, W. Stuart Reynolds, Roger R. Dmochowski
- 91 Rectocele Repair, 681
Joshua A. Cohn, Elizabeth Timbrook Brown, W. Stuart Reynolds, Melissa R. Kaufman, Roger R. Dmochowski

15 URETHRAL: RECONSTRUCTION

- 92 Reconstruction of the Fossa Navicularis, 686
Jessica M. DeLong, Gerald H. Jordan
- 93 Reconstruction of Strictures of the Penile Urethra, 693
Sean P. Elliott, Jack W. McAninch
- 94 Reconstruction of Strictures of the Bulbar Urethra, 707
Steven J. Hudak, Allen F. Morey
- 95 Reconstruction of Pelvic Fracture Urethral Distraction Defect, 721
Richard D. Inman, Christopher R. Chapple
- 96 York–Mason Closure of Rectourinary Fistula in the Male, 730
Elizabeth Timbrook Brown, Joshua A. Cohn, Melissa R. Kaufman, Douglas F. Milam, W. Stuart Reynolds, Roger R. Dmochowski
- 97 Direct Vision Internal Urethrotomy, 732
Melissa R. Kaufman, Douglas F. Milam

16 URETHRAL SPHINCTERIC PROCEDURES

- 98 Autologous Pubovaginal Sling, 735
Ashley N. Hadaway, Stephen R. Kraus
- 99 Tension-Free Vaginal Tape/Suprapubic Midurethral Sling, 743
Christopher E. Wolter
- 100 Transobturator Midurethral Sling, 748
Laura Chang Kit
- 101 Bulking Agents for Incontinence, 753
Elizabeth Timbrook Brown, Joshua A. Cohn, Melissa R. Kaufman, W. Stuart Reynolds, Roger R. Dmochowski
- 102 Artificial Urinary Sphincter, 755
Teresa L. Danforth, David A. Ginsberg
- 103 Male Urethral Sling, 762
Ryan P. Terlecki, R. Caleb Kovell
- 104 Neuromodulation, 767
Marta Johnson Mitchell, Olufenwa Famakinwa Milhouse, Steven W. Siegel
- 105 Botox Injection for Urologic Conditions, 774
Ngoc-Bich (Nikki) Le, Michael Belsante

17 TESTIS: REPAIR AND RECONSTRUCTION

- 106 Testis Biopsy, 777
R. Dale McClure
- 107 Sperm Retrieval, 780
Kelly A. Chiles, Peter N. Schlegel
- 108 Varicocele Ligation, 783
Paul J. Turek
- 109 Simple Orchiectomy, 789
Kelly L. Stratton
- 110 Vasectomy, 792
Victor M. Brugh, III
- 111 Vasovasostomy and Vasoepididymostomy, 795
Ryan P. Smith, Raymond A. Costabile
- 112 Spermatocelectomy, 800
Ryan P. Smith
- 113 Epididymectomy, 802
Wayne J. G. Hellstrom
- 114 Undescended Testis, 804
Sean T. Corbett, Matthew D. Timberlake

- 115 Reduction of Testicular Torsion, 821
Hillary Copp, Kai-wen Chuang

18 TESTIS: MALIGNANCY

- 116 Testis-Sparing Surgery for Benign and Malignant Tumors, 824
Cigdem Tanrikut, Marc Goldstein
- 117 Radical Orchiectomy, 828
Donald A. Elmajian
- 118 Retroperitoneal Lymph Node Dissection, 831
Clint Cary, Richard S. Foster
- 119 Laparoscopic and Robotic Retroperitoneal Lymph Node Dissection, 837
Geoffrey Steven Gaunay, Ornob Roy, Louis R. Kavoussi, Lee Richstone

19 PENIS: CORRECTION AND RECONSTRUCTION

- 120 Circumcision and Dorsal Slit or Preputioplasty Circumcision, 852
Julian Wan, Kate Kraft
- 121 Penile Curvature in Pediatric Patients, 860
Aaron P. Bayne, Steven J. Skoog
- 122 Hidden Penis, 865
Rebecca S. Zee, C.D. Anthony Herndon
- 123 Insertion of Semirigid Penile Prostheses, 871
Culley C. Carson
- 124 Inflatable Penile Prosthesis Implantation, 878
Ram A. Pathak, Gregory A. Broderick
- 125 Penile Arterial Revascularization, 888
William O. Brant, Anthony J. Bella, Tom F. Lue
- 126 Procedures for Peyronie Disease, 892
Amanda B. Reed-Maldonado, Tom F. Lue
- 127 Operations for Priapism, 900
Jacob L. Khurgin, Uzoma A. Anele, Arthur L. Burnett
- 128 Repair of Genital Injuries, 908
Joshua A. Broghammer, Hunter Wessells

20 PENIS: HYPOSPADIAS

- 129 Pediatric Meatotomy and Distal Reconstruction, 917
Jonathan C. Routh
- 130 Repair of Proximal Hypospadias, 922
John C. Thomas, John W. Brock, III

21 PENIS: MALIGNANCY

- 131 Partial Penectomy, 928
Mark L. Gonzalgo, Dipen J. Parekh
- 132 Total Penectomy, 932
Zachary A. Hamilton, Jeffrey M. Holzbeierlein
- 133 Ilioinguinal Lymphadenectomy, 935
Pranav Sharma, Kamran Zargar-Shoshtari, Julio M. Pow-Sang
- 134 Laser Treatment of the Penis, 942
Douglas F. Milam

Index, 947