

## **Section I Open Surgery 1**

### **Adrenal 3**

1 Adrenalectomy 5

### **Bladder 9**

2 Augmentation Cystoplasty 11

3 Bladder Diverticulectomy 15

4 Cystolithotomy 19

5 Enterovesical Fistula Repair (with Omental Flap) 23

6 Insertion of a Sacral Neuromodulation Device 27

7 Partial Cystectomy 31

8 Radical Cystectomy (Female) 35

9 Radical Cystectomy (Male) 39

10 Suprapubic Cystostomy 43

### **Kidney 45**

11 Anatomic Nephrolithotomy 47

12 Nephroureterectomy 51

13 Partial Nephrectomy 55

14 Pyelolithotomy 59

15 Pyeloplasty (Dismembered) 63

16 Radical Nephrectomy 67

17 Renal Exploration and Reconstruction for Trauma (Renorrhaphy) 71

18 Simple Nephrectomy 75

19 Transplant Nephrectomy 79

### **Lymphatics 81**

- 20 Inguinal Lymph Node Dissection 83
- 21 Pelvic Lymph Node Dissection 87
- 22 Retroperitoneal Lymph Node Dissection 91

### **Penis 95**

- 23 Circumcision 97
- 24 Inflatable Penile Prosthesis 99
- 25 Malleable Penile Prosthesis 103
- 26 Partial Penectomy 107
- 27 Penile Arterial Revascularization 109
- 28 Penile Reimplantation 113
- 29 Plication for Penile Curvature (Lue “16-Dot” Technique) 117
- 30 Priapism Reduction (Al-Ghorab Open Distal Shunt) 119
- 31 Repair of Penile Fracture 121
- 32 Total Penectomy 123

### **Prostate 125**

- 33 Radical Perineal Prostatectomy 127
- 34 Radical Retropubic Prostatectomy with Bilateral Pelvic Lymph Node Dissection 131
- 35 Retropubic Simple Prostatectomy 135
- 36 Suprapubic Prostatectomy 139

### **Testis and Scrotum 143**

- 37 Epididymal Cyst Excision (Spermatocoelectomy) 145
- 38 Epididymectomy 147
- 39 Hydrocoelectomy 149
- 40 Microsurgical Testicular Sperm Extraction (MicroTESE) 151

- 41 Microsurgical Variocolectomy 153
- 42 Radical Orchiectomy 157
- 43 Simple Orchiectomy (Unilateral or Bilateral) 159
- 44 Testicular Prosthesis Insertion 161
- 45 Testis Biopsy 163
- 46 Vasectomy 165
- 47 Vasoepididymostomy 167
- 48 Vasovasostomy 171

### **Ureter 175**

- 49 Bladder Flap (Boari-Ockerblad) 177
- 50 Ileal Ureter 181
- 51 Psoas Hitch 185
- 52 Transureteroureterostomy 189
- 53 Ureterocalicostomy 193
- 54 Ureterolithotomy 197
- 55 Ureterolysis (with Omental Flaps) 201
- 56 Ureteroureterostomy 205

### **Urethra 209**

- 57 Artificial Urinary Sphincter (Male) 211
- 58 Augmented Anastomotic Urethroplasty 215
- 59 Augmented Urethroplasty Using a Buccal Mucosal Graft 219
- 60 Buccal Mucosal Graft Harvest 223
- 61 Excision and Primary Anastomotic Urethroplasty 225
- 62 Male Urethral Sling 229

63 Perineal Urethrostomy 233

64 Posterior Urethral Reconstruction 235

65 Transsphincteric Rectourethral Fistula Repair (York-Mason Procedure) 239

66 Transverse Circular Penile Fasciocutaneous Flap Urethroplasty (McAninch Procedure) 243

67 Urethrectomy (Male) 247

### **Urinary Diversion 251**

68 Appendicovesicostomy (Mitrofanoff Procedure) 253

69 Ileal Conduit 257

70 Ileocecal Reservoir (Indiana Pouch) 261

71 Orthotopic Ileal Neobladder (Hautmann Pouch) 267

72 Transverse Colon Conduit 271

73 Ureterosigmoidostomy 275

### **Section II Endoscopic Surgery 281**

74 Endopyelotomy (Ureteroscopic Approach) 283

75 Percutaneous Nephrolithotomy 287

76 Ureteral Stent Exchange 291

77 Ureteral Stent Insertion 295

78 Ureteral Stent Removal 299

79 Ureteroscopy for Stones 301

80 Ureteroscopy for Tumors 305

### **Section III Transurethral Surgery 309**

81 Bladder Biopsy 311

82 Cystolithotripsy 313

83 Cystoscopy 315

- 84 Direct Visual Internal Urethrotomy 317
- 85 Intravesical Injection of Botulinum Toxin 321
- 86 Laser Prostatectomy (Photoselective Vaporization) 323
- 87 Prostate Cryotherapy 327
- 88 Transurethral Resection of Bladder Tumor 331
- 89 Transurethral Resection of Ejaculatory Ducts 335
- 90 Transurethral Resection of Prostate 339

#### **Section IV Transvaginal Surgery 343**

- 91 Anterior Vaginal Prolapse Repair (Cystocele) 345
- 92 Autologous Pubovaginal Sling 349
- 93 Enterocele Repair with Uterosacral Ligament Fixation 353
- 94 Midurethral Retropubic Sling 357
- 95 Rectocele Repair 361
- 96 Urethral Diverticulectomy 365
- 97 Vesicovaginal Fistula Repair 369

#### **Section V Laparoscopic and Robotic Surgery 373**

##### **Adrenal 375**

- 98 Laparoscopic Adrenalectomy 377

##### **Bladder 381**

- 99 Robotic-Assisted Laparoscopic Abdominal Sacrocolpopexy 383
- 100 Robotic-Assisted Laparoscopic Bladder Diverticulectomy 387
- 101 Robotic-Assisted Laparoscopic Partial Cystectomy 391
- 102 Robotic-Assisted Laparoscopic Radical Cystectomy (Female) 395
- 103 Robotic-Assisted Laparoscopic Radical Cystectomy (Male) 399

104 Robotic-Assisted Laparoscopic Vesicovaginal Fistula Repair 403

### **Kidney 407**

105 Laparoscopic Living Donor Nephrectomy 409

106 Laparoscopic Radical Nephrectomy 413

107 Laparoscopic Renal Cyst Decortication 417

108 Laparoscopic Simple Nephrectomy 421

109 Robotic-Assisted Laparoscopic Nephroureterectomy 425

110 Robotic-Assisted Laparoscopic Partial Nephrectomy 429

111 Robotic-Assisted Laparoscopic Pyelolithotomy 433

112 Robotic-Assisted Laparoscopic Pyeloplasty (Dismembered) 437

### **Lymphatics 441**

113 Robotic-Assisted Laparoscopic Pelvic Lymph Node Dissection 443

### **Prostate 447**

114 Robotic-Assisted Laparoscopic Radical Prostatectomy with Bilateral Pelvic Lymph Node Dissection 449

115 Robotic-Assisted Laparoscopic Simple Prostatectomy 455

### **Section VI Pediatric Surgery 461**

116 Ablation of Posterior Urethral Valves 463

117 Meatal Advancement and Glanuloplasty (MAGPI Repair) 465

118 Megaureter Repair 467

119 Open Inguinal Hernia Repair 471

120 Transurethral Incision of Ureterocele 475

121 Transverse Preputial Onlay Island Flap 477

122 Tubularized Incised Plate Urethroplasty 481

123 Ureteral Reimplantation: Extravesical Technique 485

124 Ureteral Reimplantation: Suprahiatal Transvesical Advancement (Politano-Leadbetter Procedure) 489

125 Ureteral Reimplantation: Transtrigonal Technique (Cohen Procedure) 493

**Section VII Miscellaneous Procedures 499**

126 Extracorporeal Shock Wave Lithotripsy 501

Index 505