Contents

SECTION 1: PRE-SURGICAL PREPATATION

1. Surgical Decision-making and Patient Preparation for the Operating Room **3**
Tajnoos Yazdany

- Antibiotics *3*
- Patient Skin Preparation *4*
- Bowel Preparation *4*
- Deep Vein Thrombosis Prevention *4*
- Unique Considerations in the Elderly Patients *4*
- The Consent Process and Patient Understanding *4*

SECTION 2: PATIENT POSITIONING FOR OPEN, VAGINAL, LAPAROSCOPIC AND ROBOTIC SURGERY

2. Patient Positioning for Open, Vaginal, Laparoscopic and Robotic Surgery **9**
Joy Brotherton, Erica Stockwell

- Universal Precautions and Preoperative Considerations *9*
- Laparotomy *10*
- Vaginal *10*
- Laparoscopic *11*
- Surgeon Ergonomics *12*
- Robotic *13*

SECTION 3: GENERAL VAGINAL AND VULVAR PROCEDURES

3. Hysterectomy, Salpingectomy and Oophorectomy through the Vaginal Route **17**
Tajnoos Yazdany

- Vaginal Hysterectomy *17*
  - Difficult Cases *19*
- Salpingectomy/Oophorectomy *20*

4. Vaginal Cysts **22**
Christina M Truong, Tajnoos Yazdany

- Preoperative Planning *22*
  - Gartner's Duct 22
  - Bartholin's Gland 22

5. Labioplasty of the Labia Minora **27**
Christina M Truong

- Preoperative Considerations *27*
- Surgical Procedure *27*

SECTION 4: VAGINAL SURGERY FOR APICAL PELVIC ORGAN PROLAPSE

6. Uterosacral Ligament Suspension **33**
Sharon Jakus-Waldman
- Surgical Procedure and Technique *34*

7. Sacrospinous Ligament Fixation **37**
Tajnoos Yazdany
- Surgical Procedure 38

8. Colpocleisis **40**
Christina M Truong
- Obliterative Vaginal Procedures *40*

9. Uterine Suspension Procedures **44**
Jessica S Zigman
- Transvaginal Procedures *44*
- Abdominal or Laparoscopic or Robotic-Assisted Procedures *45*

SECTION 5: VAGINAL SURGERY FOR ANTERIOR AND POSTERIOR COMPARTMENT PROLAPSE

10. Anterior Vaginal Wall Repair **55**
Tajnoos Yazdany
- Surgical Procedure *55*

11. Posterior Repair Techniques and Perineorrhaphy **59**
Cecilia K Wieslander
- Surgical Procedure *59*

SECTION 6: URINARY INCONTINENCE PROCEDURES

12. Mid-Urethral Slings **65**
Gregory I Kanter, Gena Dunivan
- Retropubic Mid-urethral Slings: 'Bottom-Up' and 'Top-Down' Approach *66*
- Transobturator Tape: 'Outside to In' and 'Inside to Out' Technique *71*

13. Burch Urethropexy **76**
John N Nguyen
- Operative Setup *76*
- Surgical Procedure *76*

14. Urethral Bulking **80**
Aldene O Zeno, Amy Rosenman
- Patient Counseling *80*
- Operative Setup *80*
- Periurethral versus Transurethral Injection *81*

15. Fascial Slings **84**
John Navas, Cecilia K Wieslander
- Surgical Procedure *84*

16. Neuromodulation **87**
Angel M Johnson, Patricia Hudson, Milena M Weinstein
- Percutaneous Nerve Stimulation *87*
- Sacral Nerve Neuromodulation *88*

17. Intravesicular Injection of OnabotulinumtoxinA **95**
Tajnoos Yazdany
- Preoperative Assessment and Counseling *95*
- Surgical Procedure *95*

SECTION 7: OTHER URETHRAL PROCEDURES

18. Urethrovaginal Fistula Repair **99**
Janine Oliver, Ja-Hong Kim
- Etiologies and Patient Assessment *99*
- Diagnostic Considerations *99*
- Timing of Repair *99*
- Tissue Interposition *100*
- Step-by-Step Technique *100*
- Techniques for Severe and Salvage Cases *105*

19. Urethral Diverticulum **108**
Christina M Truong
- Preoperative Considerations *108*
- Surgical Procedure *109*

SECTION 8: BLADDER PROCEDURES AND REPAIRS

20. Vesicovaginal Fistula **115**
Tam Le
- Operative Setup *115*
- Vaginal Repair *115*
- Abdominal Repair *119*

21. Bladder Hydrodistention **123**
Tajnoos Yazdany
- Cystoscopy with Hydrodistention *123*

SECTION 9: LAPAROSCOPIC AND ROBOTIC APPROACHES

22. Surgical Considerations: Anatomy and Port Placements **127**
Joy Brotherton, Chirisse Taylor, Erica Stockwell
- Primary Laparoscopic Trocar Placement *127*
- Secondary Trocar Placement *130*

- Robotic-Assisted Laparoscopy *130*
- Removal of Trocars and Closure of Trocar Sites *134*

23. Sacral Colpopexy **136**
Tajnoos Yazdany
- Surgical Procedure *136*

SECTION 10: FECAL INCONTINENCE PROCEDURES

24. Anovaginal and Rectovaginal Fistula **143**
Tajnoos Yazdany
- Surgical Procedure *143*

25. Anal Sphincteroplasty for Chronic Third Degree Lacerations **145**
Christina C Liao
- Surgical Procedure *145*

SECTION 11: DEALING WITH POSTOPERATIVE MESH COMPLICATIONS

26. Transvaginal Tape Removal/Loosening **153**
Sylvia M Botros-Brey, Carolyn Botros
- Urinary Retention *153*
- Mesh Exposure Requiring Partial Removal *154*
- Complete Removal of Mesh *154*
- Erosion into Bladder or Urethra *154*

27. Treatment of Mesh in the Bladder **156**
Christina Dancz
- Step-by-Step Techniques (Abdominal Approach) *156*
- Step-by-Step Techniques (Vaginal Approach) *157*

28. Surgical Management of Vaginal Mesh Exposures **160**
Christina Dancz
- Step-by-Step Techniques *160*

Index *163*