Contents

PART 1
HISTORY, 1

Chapter 1 Historical Milestones in Female Pelvic Surgery, Gynecology, and Female Urology, 3
Anthony P. Tizzano

PART 2
BASIC SCIENCE, 15

Chapter 2 Anatomy of the Lower Urinary Tract, Rectum, and Pelvic Floor, 17
Kevin J. Stepp • Mark D. Walters

Chapter 3 Neurophysiology and Pharmacology of the Lower Urinary Tract, 31
J. Thomas Benson • Mark D. Walters

Chapter 4 Epidemiology and Psychosocial Impact of Pelvic Floor Disorders, 44
Anne M. Weber

Chapter 5 Description and Classification of Lower Urinary Tract Dysfunction and Pelvic Organ Prolapse, 55
Mark D. Walters

PART 3
EVALUATION, 63

Chapter 6 Evaluation of Urinary Incontinence and Pelvic Organ Prolapse: History, Physical Examination, and Office Tests, 65
Mark D. Walters

Chapter 7 Urodynamics: Cystometry and Urethral Function Tests, 78
Mickey M. Karram • Jerry Blaivas

Chapter 8 Urodynamics: Voiding Studies, 102
Mickey M. Karram

Chapter 9 Endoscopic Evaluation of the Lower Urinary Tract, 114
Geoffrey W. Cundiff • Alfred E. Bent

Chapter 10 Radiologic Studies of the Lower Urinary Tract and Pelvic Floor, 124
Mark D. Walters • Wen-Chen Huang

Chapter 11 Neurophysiologic Testing for Pelvic Floor Disorders, 138
Matthew D. Barber

PART 4
MANAGEMENT OF STRESS URINARY INCONTINENCE AND PELVIC ORGAN PROLAPSE, 155

Chapter 12 Pathophysiology of Stress Urinary Incontinence, 157
James L. Whiteside • Mark D. Walters

Chapter 13 Obstetrics and Pelvic Floor Disorders, 165
Ingrid Nygaard • W. Thomas Gregory

Chapter 14 Stress Urinary Incontinence and Pelvic Organ Prolapse: Nonsurgical Management, 172
Holly E. Richter • Kathrym L. Burgio

Chapter 15 Retropubic Operations for Stress Urinary Incontinence, 187
Mark D. Walters

Chapter 16 Sling Procedures for Stress Urinary Incontinence, 196
Mark D. Walters • Mickey M. Karram

Chapter 17 Laparoscopic Surgery for Stress Urinary Incontinence and Pelvic Organ Prolapse, 213
Marie Fidela R. Paraiso
Chapter 18  Urethral Injection of Bulking Agents for Intrinsic Sphincter Deficiency, 227  
Alfred E. Bent

Chapter 19  Surgical Correction of Anterior Vaginal Wall Prolapse, 234  
Mark D. Walters

Chapter 20  Surgical Treatment of Rectocele and Perineal Defects, 246  
Tristi W. Muir

Chapter 21  Surgical Treatment of Vaginal Vault Prolapse and Enterocoele, 262  
Mickey M. Karram · Mark D. Walters

Chapter 22  Obliterative Procedures for Vaginal Prolapse, 288  
William Andre Silva · Mickey M. Karram

Chapter 23  The Use of Biologic Tissue and Synthetic Mesh in Urogynecology and Reconstructive Pelvic Surgery, 295  
Marie Fidela R. Paraiso

PART 5  
FECAL INCONTINENCE AND DEFECTION DISORDERS, 307

Chapter 24  Fecal Incontinence, 309  
Tracy L. Hull · Massarat Zutshi

Chapter 25  Constipation, 320  
J. Eric Jelovsek

Chapter 26  Rectovaginal Fistula and Perineal Breakdown, 331  
Mickey M. Karram

Chapter 27  Rectal Prolapse, 340  
Alexander G. Heriot · Feza H. Remzi

PART 6  
PAINFUL AND IRRITATIVE VOIDING DISORDERS, 351

Chapter 28  Overactive Bladder Syndrome and Nocturia, 353  
Steven D. Kleeman · Mickey M. Karram

Chapter 29  Painful Bladder Syndromes, 377  
Raymond A. Bokhman · Kristene E. Whitmore

Chapter 30  Voiding Dysfunction and Urinary Retention, 390  
Victor W. Nitti · Nicole Fleischmann

Chapter 31  Sacral Neuromodulation Therapy, 402  
Raymond R. Rackley · Tara L. Frenkl

PART 7  
SPECIFIC CONDITIONS, 411

Chapter 32  Urinary Tract Infection, 413  
Mickey M. Karram · Steven D. Kleeman

Chapter 33  The Effects of Gynecologic Cancer on Lower Urinary Tract Function, 425  
James L. Whiteside

Chapter 34  Gynecologic Injury to the Ureters, Bladder and Urethra: Prevention, Recognition, and Management, 436  
W. Glenn Hurt

Chapter 35  Lower Urinary Tract Fistulas, 445  
Mickey M. Karram

Chapter 36  Urethral Diverticula, 461  
Sandip P. Vasavada

Chapter 37  The Urinary Tract in Pregnancy, 472  
Baha M. Sibai · Edward R. Newton

Chapter 38  Bladder Drainage and Urinary Protective Methods, 490  
Carmen J. Sultana

PART 8  
RESEARCH METHODS, 497

Chapter 39  Outcome and Quality-of-Life Measures in Pelvic Floor Research, 499  
Matthew D. Barber

PART 9  
CASE PRESENTATIONS WITH EXPERT DISCUSSIONS, 513

Chapter 40  Case Presentations with Expert Discussions, 515  
Mark D. Walters · Andrew M. Steele

Appendix A  The Standardisation of Terminology of Lower Urinary Tract Function Recommended by the International Continence Society, 549

Appendix B  The Standardisation of Terminology of Lower Urinary Tract Function: Report from the Standardisation Sub-Committee of the International Continence Society, 562

Appendix C  Standardization Reports of the International Continence Society (ICS), 574

Appendix D  Sample Questionnaires for Several Recommended Outcome Measures for Women with Pelvic Floor Disorders, 576

INDEX, 583

COLOR PLATES FOLLOW