Contents

Section 1: Benign Urological Diseases

1. Medical Treatment of Pain **3**
Ismaila A Mungadi, Stella A Eguma, Abdullahi Abdulwahab-Ahmed

- Pain Assessment 4
- Renal and Ureteric Colic 5
- Chronic Pelvic Pain Syndrome (CPPS) 5
- Interstitial Cystitis 6
- Urological Cancer Pain 6
- Postoperative Analgesia 6
- Outline of Pharmacotherapy 7

2. Antimicrobial Therapy **13**
Ismaila A Mungadi, Hamidu M Liman, Aliu Abdulhameed

- General Principles and Guidelines to Therapy 13
- Acute Pyelonephritis 14
- Cystitis 15
- Bacterial Prostatitis 15
- Epididymitis, Epididymo-orchitis 16
- Genitourinary Tuberculosis 16
- Urethritis 17
- Syphilis and Other Sexually Transmitted Infections 17
- Genital Herpes 18
- Molluscum Contagiosum 18
- Urinary Schistosomiasis 18
- Scrotal Filariasis 18
- Fungal Infection 19
- Actinomycosis 20
- Fournier's Gangrene 20
- Perioperative Antimicrobial Prophylaxis 21
- Outline of Pharmacotherapy 22

3. Medical Management of Erectile Dysfunction **40**
Samy Heshmat, Ehab Eltahawy

- Patient Evaluation 40
- Treatment of Erectile Dysfunction 42
- Outline of Pharmacologic Therapy 44

4. Medical Treatment of Urinary Incontinence **51**
Ayman Mahdy, Ismaila A Mungadi
- Control of Micturition 51
- Evaluation of Urinary Incontinence Patients 52
- How Can We Prevent Urinary Incontinence? 52
- Urinary Incontinence Management Options 53
- Role of Pharmacotherapy 54
- Outline of Some Pharmacotherapeutic Agents 57

5. Benign Prostatic Hyperplasia **62**
Ismaila A Mungadi, Olayiwola B Shittu, Abdullahi Abdulwahab-Ahmed
- Alpha-Adrenergic Antagonist 63
- 5-alpha Reductase Inhibitors 63
- Combination Therapy 65
- Phytotherapeutic Agents 65
- Outline of Pharmacotherapy for BPH 66

6. Medical Treatment of Urolithiasis **71**
Ehab Eltahawy, Ismaila A Mungadi
- Risk Stratification 71
- Evaluation of Nephrolithiasis 72
- Medical Therapy 74
- Follow-up Studies 79

7. Miscellaneous Use of Drugs **82**
(Late) Hyacinth N Mbibu, Ismaila A Mungadi
- Premature Ejaculation 82
- Priapism 82
- Infertility 84

Section 2: Medical Treatment of Urological Cancer

8. Renal Cell Carcinoma **89**
Ismaila A Mungadi, (Late) Hyacinth N Mbibu, Abdullahi Abdulwahab-Ahmed
- Drug Treatment of RCC 89
- Outline of Pharmacotherapy 91

9. Bladder Cancer **94**
Ismaila A Mungadi, Mohamed H Kamel, Ngwobia P Agwu
- Intravesical Therapy for Superficial Bladder Cancer 96
- Intravesical Immunotherapy 96
- Intravesical Chemotherapy 99

- Photodynamic Therapy 99
- Combination Therapy and Timing 99
- Invasive Bladder Cancer 99
- Systemic Chemotherapy for Metastatic Disease 100
- Other Guidelines 101
- Details of Pharmacotherapy for Bladder Cancer 102

10. Prostate Cancer 113
Ismaila A Mungadi, Olayiwola B Shittu, Abdullahi Abdulwahab-Ahmed

- Role of Medical Treatment 113
- Outline of Pharmacotherapy for Prostate Cancer 116

11. Testicular Cancer 125
Ismaila A Mungadi, Abdulkadir A Salako

- Diagnosis and Staging of Germ Cell Tumor 125
- Role of Tumor Marker 127
- Role of Chemotherapy in the Treatment of Testicular Tumor 129
- Outline of Pharmacotherapy 132

12. Squamous Cell Carcinoma of the Penis 137
Ismaila A Mungadi, Abdullahi Abdulwahab-Ahmed

- Treatment of Penile Cancer 138
- Outline of Drug for Treatment of Penile Cancer 140

13. Nephroblastoma (Wilms' Tumor) 142
Christopher S Lukong, Emmanuel A Ameh

- Staging 143
- Tumor Grading 143
- Principles of Treatment and Treatment Modalities 144

Appendix

Normal Values of Some Laboratory Tests of Urological Interest 151

- Biochemical 151
- Hematological 153
- Hormones 153
- Renal Function 154

Index 157