Contents

Section 1: Epidemiology

1. Epidemiology of Sexually Transmitted Infections **3**
Global Incidence and Prevalence of STIs *4*
Scenario in India *5*
STI Syndromes *6*

Section 2: Bacterial Sexually Transmitted Infections

2. Syphilis **9**
Etiology *11*
Epidemiology *11*
Clinical Features *11*
HIV and Syphilis *21*
Diagnostic Tests *21*
Diagnostic Algorithms *24*
Treatment *26*
Surveillance/Follow-up *28*

3. Chancroid **33**
Etiology *33*
Epidemiology *33*
Clinical Features *33*
Complications *33*
HIV and Chancroid *33*
Diagnosis *35*
Treatment *35*

4. Lymphogranuloma Venereum **39**
Etiology *41*
Epidemiology *41*
Clinical Features *41*
Complications *43*
HIV and LGV *43*
Diagnosis *43*
Treatment *45*

5. Donovanosis **47**
Etiology *49*
Epidemiology *49*

Clinical Features 49
Complications 49
HIV and Donovanosis 49
Diagnosis 49
Treatment 51

6. Gonorrhoea **53**
Etiology 55
Epidemiology 55
Clinical Features 55
Complications 55
Diagnosis 57
Treatment 57

7. Non-gonococcal Urethritis and Genital Tract Infections **59**
Etiology 61
Epidemiology 61
Clinical Features 61
Complications 63
HIV and Non-gonococcal Genital Tract Infections (NGGTI) 63
Diagnosis 63
Treatment 65
Sexually Acquired Reactive Arthritis 65
Clinical Features 65
Complications 67
Diagnosis 67
Treatment 67

Section 3: Viral Sexually Transmitted Infections

8. Genital Herpes **71**
Etiology 73
Epidemiology 73
Clinical Features 73
Complications 75
Genital Herpes and HIV 75
Diagnosis 75
Treatment 79
Other Treatment Considerations 83

9. Anogenital Warts **85**
Etiology 87
Epidemiology 87
Clinical Features 87
Complications 89

Anogenital Warts and HIV *89*
Diagnosis *89*
Treatment *91*

10. Genital Molluscum Contagiosum **97**
Etiology *99*
Epidemiology *99*
Clinical Features *99*
Complications *99*
Molluscum Contagiosum in HIV *99*
Diagnosis *99*
Treatment *99*

11. Human Immunodeficiency Virus Infection and Acquired Immunodeficiency Syndrome **103**
Epidemiology *105*
Etiology *105*
Clinical Features *109*
Diagnosis *117*
Treatment *123*

Section 4: Miscellaneous

12. Balanitis and Balanoposthitis **131**
Epidemiology *133*
Etiology *133*
Clinical Features *133*
Complications *133*
Investigations *133*
Treatment *135*
Specific Diseases *135*

13. Vaginal Discharge **137**
Epidemiology *139*
Etiology *139*
Clinical Features *139*
HIV and Pathogens of Vaginitis *141*
Complications *141*
Diagnosis *141*
Treatment *143*

14. Sexually Transmitted Infestations **147**
Pediculosis Pubis *149*
Scabies *151*
Other Measures *153*

15. Non-venereal Genital Conditions **155**
Ectopic Sebaceous Glands *157*
Pearly Penile Papules *157*
Lichen Sclerosus (LS) *157*
Zoon's Balanitis *159*
Papulonecrotic Tuberculide of Genitalia *159*
Pseudoepitheliomatous Keratotic and Micaceous Balanitis *161*
Psoriasis *161*
Lichen Planus *163*

16. Premalignant and Malignant Lesions of Genitals **165**
Squamous Cell Carcinoma *in situ* *167*
Squamous Cell Carcinoma *169*

17. Sexually Transmitted Infections in Pregnancy **173**
Genital Herpes (GH) *175*
Anogenital Warts (AGW) *175*
Syphilis *175*
Chancroid *177*
Donovanosis *177*
Lymphogranuloma Venereum (LGV) *179*
Gonorrhoea *179*
Ureaplasma and Mycoplasma *179*
Bacterial Vaginosis (BV) *179*
Trichomoniasis *179*
Vulvovaginal Candidiasis (VVC) *179*

18. Sexually Transmitted Infections in Adolescents **181**
Epidemiology *183*
Management of STIs in Adolescence *183*
Prevention *183*
Guidelines for Screening *183*

Section 5: Annexures

Annexure 1: Relevant Anatomy of Male Genital Tract **187**
Penis *189*
Urethra *189*
Scrotum and Contents *189*
Glands *189*
Lymphatic Drainage *189*

Annexure 2: Relevant Anatomy of Female Genital Tract **191**
Vulva *193*
Internal Structures *193*
Glands *193*
Lymphatic Drainage *193*

Annexure 3: STI Syndromes **195**
Syndrome of Urethral Discharge *196*
Syndrome of Scrotal Swelling *197*
Syndrome of Vaginal Discharge *198*
Syndrome of Genital Ulcer Disease *199*
Syndrome of Inguinal Bubo *200*
Syndrome of Lower Abdominal Pain *201*
Syndrome of Oral and Anal STIs *202*

Index *203*