

Contents

Part I Basic Elements

- 1 History of Sexually Transmitted Infections** 3
Michael Waugh
- 2 Epidemiology of Sexually Transmitted Infections** 13
Aron Gewirtzman, Laura Bobrick, Kelly Conner,
and Stephen K. Tyring
- 3 Sexual Behavior and Psychological Aspects Associated
with Sexually Transmitted Infections** 35
Amber R. Gill, Parisa Ravanfar, Natalia Mendoza,
and Stephen K. Tyring
- 4 The Normal Genitalia – Structure and Physiology** 43
Gunther Wennemuth and Walter Krause
- 5 Mucosal Immunity in Sexually Transmitted Infections** 49
Anthony L. Cunningham, Suzanne M. Garland,
Heather Donaghy, and Min Kim

Part II Bacterial Infections

- 6 Biology of *Neisseria gonorrhoeae* and the Clinical
Picture of Infection** 77
Catherine A. Ison
- 7 Biology of Chlamydiae** 91
Jürgen Rödel and Eberhard Straube
- 8 *Chlamydia trachomatis* Infections in Women and Men** 103
Jorma Paavonen
- 9 *Chlamydia trachomatis*: Diagnostic Procedures** 111
Angelika Stary and Georg Stary

10 Lymphogranuloma Venereum	121
Omar Lupi, Janaína Ribeiro, Paula Chicralla, and Carlos Jose Martins	
11 Biology and Natural History of Syphilis	129
Attila Horváth	
12 Laboratory Diagnosis of Syphilis	143
H.-J. Hagedorn	
13 Early and Late Syphilis	151
Helmut Schöfer	
14 Neurosyphilis	163
Hilmar W. Prange	
15 Syphilis and HIV	173
Natalia Mendoza, Adriana Motta, Brenda L. Pellicane, Parisa Ravanfar, and Stephen K. Tying	
16 Chancroid	183
Thais Harumi Sakuma, Daniel Dal’Asta Coimbra, and Omar Lupi	
17 Donovanosis	191
Omar Lupi, Paula Chicralla, and Carlos José Martins	
18 Genital Mycoplasma Infection	197
Natalia Mendoza, Parisa Ravanfar, Anita K. Shetty, Brenda L. Pellicane, Rosella Creed, Sara Goel, and Stephen K. Tying	
19 Bacterial Vaginosis	203
A. Rubins	
Part III Viral Infections	
20 Biology of Sexually Transmitted Herpes Viruses	209
H.W. Doerr, Lutz G. Gürtler, and M.W. Wittek	
21 Genital Herpes	217
Adrian Mindel	
22 Clinical Aspects of HCMV Infections in Immunocompromised Patients	243
Miriam Wittek, Lutz Gürtler, and Hans Wilhelm Doerr	

23 Global Epidemiology of HIV	249
Osamah Hamouda	
24 Immunology of HIV	271
Heribert Stoiber and Doris Wilflingseder	
25 HIV in Children	287
Sasan Mohammadsaeed, James R. Murphy, and Gloria P. Heresi	
26 Clinical Manifestations of HIV Infections	301
Norbert H. Brockmeyer and Anja V. Potthoff	
27 HIV in Eastern Europe	319
Nikolai Mashkilleyson and Jeffrey V. Lazarus	
28 HIV/AIDS in India	337
Janak Maniar, Amar Uttamrao Surjushe, Ratnakar Kamath, and Alok Maniar	
29 HIV in Africa	371
Lutz G. Gürtler	
30 Cutaneous Conditions and HIV in Africa	377
Anisa Mosam and P.N. Naidu	
31 Kaposi's Sarcoma	405
Erwin Tschachler	
32 Biology of Sexually Transmitted Human Papillomaviruses	411
Massimo Tommasino	
33 Epidemiology of Genitoanal HPV Infections and Associated Cancer	427
F. Xavier Bosch, Silvia de Sanjose, and Xavier Castellsagué	
34 Immune Responses to Sexually Transmitted HPV Infection	441
Margaret Stanley	
35 HPV-Infection and Squamous Cell Cancer of the Lower Female Genital Tract	457
Karl Ulrich Petry	
36 Tumor Surgery–Cervical Cancer Treatment	477
Achim Schneider and Christhardt Köhler	

37 Genitoanal HPV Infection and Associated Neoplasias in the Male	489
Gerd Gross	
38 HPV-Infection in HIV-Positive Men Who Have Sex with Men (MSM)	511
Ulrike Wieland, Alexander Kreuter, and Herbert Pfister	
39 Sexually Transmitted HPV-Infections of the Oral Mucosa and Upper Respiratory Tract in Adults and Children	523
Stina Syrjänen	
40 Laboratory Diagnosis of HPV and its Clinical Use	539
Hans Ikenberg	
41 Mollusca Contagiosa	547
Mihael Skerlev and Karmela Husar	
42 Hepatitis Viruses as Sexually Transmitted Diseases	553
Laura J. Lester and Suneal K. Agarwal	
Part IV Ectoparasites	
43 Human Lice	589
Sophie Bouvresse and Olivier Chosidow	
44 Scabies	593
Sophie Bouvresse and Olivier Chosidow	
Part V Protozoan Infections	
45 Trichomonas	601
Brenda L. Pellicane and Megan Nicole Moody	
Part VI Fungal Infections	
46 Genital Candidiasis	613
Jack D. Sobel	
Part VII STD and Travel Medicine	
47 STDs and Travel Medicine	627
Rosella Creed, Anita K. Shetty, Parisa Ravanfar, and Stephen K. Tying	
Part VIII Therapeutic Challenges	
48 Therapy-New Drugs	637
Anita K. Shetty, Devak G. Desai, Janice Wilson, and Stephen K. Tying	

49 Resistance of Sexually Transmitted Pathogens to Antibiotics and Antivirals	651
German A. Contreras and Cesar A. Arias	
Part IX Prevention and Vaccines	
50 Viral Hepatitis Vaccines	671
Melissa L. Diamantis and Stephen K. Tying	
51 Prophylactic HPV Vaccines	681
Lutz Gissmann	
52 HSV Prevention	693
Parisa Ravanfar, Natalia Mendoza, Anita K. Shetty, Rosella Creed, and Stephen K. Tying	
53 HIV Prevention	703
Parisa Ravanfar, Natalia Mendoza, Anita K. Shetty, Rosella Creed, and Stephen K. Tying	
54 The Role of Circumcision in Preventing STIs	715
Brian J. Morris and Xavier Castellsague	
55 Physical Barrier Methods and Microbicides	741
Kelly B. Conner, Aron J. Gewirtzman, and Stephen K. Tying	
Part X Laboratorial Diagnosis	
56 Novel Diagnostic Methods	749
Thomas Meyer	
Part XI Special Aspects of STIs And STDs in Comparison to Other Conditions	
57 Genitoanal Dermatoses	777
Gerd Gross	
58 STIs in Pediatrics, Perinatology and Reproduction	837
Amber R. Gill and Anita K. Shetty	
59 Female Genital Mutilation and Risk for Transmission of STIs	847
Aldo Morrone, Roberta Calcaterra, and Gennaro Franco	
60 Other Sexually Transmitted Infections	859
Miguel Sanchez	
61 Sexual Abuse	869
Wolfgang Harth	

Part XII Psychosocial Issues

62 Psychosocial Issues	877
Kurt Seikowski	

Part XIII Economical and Political Issues

63 Economic and Political Issues Associated with Sexually Transmitted Diseases	885
Viviane Brunne	

Index	897
------------------------	-----



<http://www.springer.com/978-3-642-14662-6>

Sexually Transmitted Infections and Sexually
Transmitted Diseases

Gross, G.; Tying, S.K. (Eds.)

2011, XVIII, 925 p., Hardcover

ISBN: 978-3-642-14662-6