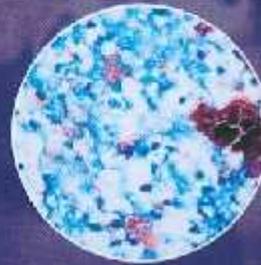




Enhanced
**DIGITAL
VERSION**
Included.
Details inside.

Includes
Access to over
440 Board-Style
Self-Assessment
Questions

COMPREHENSIVE REVIEW OF INFECTIOUS DISEASES



Edited by

Andrej Spec | Gerome Escota | Courtney Chrisler | Bethany Davies



Contents

Foreword, vii

Preface, viii

List of Contributors, ix

Introduction to the Board Exam, xiv

Abbreviations, xvii

Section 1: High Yield Microbiology, 1

1 Bacteriology, 1

Morgan A. Pence

2 Mycology, 35

Krunal Patel, Morgan A. Pence, and Andrej Spec

3 Virology, 51

Phillip Heston

4 Parasitology, 73

Alice Chi Eziefule and Martha Purcell

Section 2: Antimicrobial Agents, 131

5 Antibacterials, 131

Yvonne Burnett and David Ritchie

6 Antimycobacterial Agents, 151

Tonya Scardina

7 Antifungal Agents, 161

Alexandria Wilson

8 Antivirals, 167

Andres Bran and Jessica K. Ortwine

9 Antiparasitic Agents, 175

Todd P. McCarty

Section 3: Select Syndromes and Conditions by Body System or Pathogen, 181

10 Fevers and Sepsis, 181

Kevin Hsueh

11 Head and Neck Infections, 189

A Meredith Welch

12 Central Nervous System Infections, 205

Belhany Davies

13 Respiratory Infections, 225

Justin F. Hayes and John W. Boddley

14 Bacteremia and Central Line-Associated Bloodstream Infections, 243

Courtney Chrisler

15 Cardiac and Cardiac Device Infections, 249

Merilda Bianco-Guzman

16 Gastrointestinal Infections, 263

Nabeela Mughal

17 Peritonitis, Intraabdominal Abscess, Hepatobiliary Infections, Splenic Infections, 283

James R. Price

18 Obstetric and Gynecologic Infections, 295

Katie Owens

19 Genitourinary Tract Infection, 303

Aoife Cotter

20 Infections of Pregnancy, 311

Rachel C. Moore

21 Sexually Transmitted Infections, 321

Nicholas Van Wagoner and Wesley Willieford

22 Hepatitis Viruses, 337

Rachel Presti

23 Viral Exanthems and Vaccine-Preventable Diseases, 345

Racheal Sierra

24 Disease Due to Spirochetes, Excluding Syphilis, 359

Gill Jones and Alberto San Francisco Ramos

25 Skin and Soft Tissue Infections and Toxin-Mediated Diseases, 375

Stephen Y. Liang

26 Bone and Joint Infections, 389

Shadi Parsaei

27 Infections Caused by Yeasts and Yeast-Like Fungi, 397

Ilan S. Schwartz

28 The Dimorphic Mycoses, 411

Laurie Proia

29 Monomorphic Mold Infections, 425

Paschal's Vergidis

30 Arthropod-Borne Diseases, 433

Alfredo J. Mena Lara

31 Infections Associated with Animal Exposure, 453

Gerome Escoto

32 Tuberculosis, 465

Carlos R. Mejia-Chew and Thomas Charles Bailey

33 Nontuberculous Mycobacterial Infections, 473

Yasir Hamad

34 Protozoa, 483

Francesca Lee, Nicolás Barros, and Dominick Cavuoti

35 Helminths, 511

Jennifer A. Fitzpatrick

Section 4: Infections in the Immunocompromised Host, 541

36 Natural History of HIV, 541

Stefan George

37 Noninfectious Complications of HIV, 551

Latesha E. Eloprié, James Henry Willig, Greer Burkholder, Bernadette Jonsson, Aadia Rana, and Edgar Turner Overton

38 Antiretroviral Therapy, 563

Jane A. O'Halloran

39 Opportunistic Infections in HIV, 573

James Cutrell and Anand Athavale

40 Infections in Patients with Cancer and Immunosuppressive Therapy, 593

Andrea J. Zimmer and Alison G. Freifeld

41 Infections in Solid Organ Transplant Recipients, 603

Carlos A.Q. Santos and Iac A. George

42 Infections in Bone Marrow Transplant Recipients, 613

Jade Le and Aubrienne D. Workman

43 Primary Immunodeficiency Disorders, 631

Blachy J. Dávila Saldaña and Carlos P. Ferreira Lopez

Section 5: Specialty Topics, 639

44 Infection Control and Prevention, 639

Justin F. Hayes and Rachael A. Lee

45 Adult Immunization, 647

Hema Sharma

46 General Principles of Travel Medicine, 655

German Henostroza and Martin Rodriguez

47 Bioterrorism, 663

Joanna Peters

48 Syndromes that Mimic Infectious Diseases, 673

Chris Kosmidis and Gerome Escoto

49 High Yield Biostatistics, 687

Margaret A. Olsen

50 Commonly Encountered Skin Manifestations in Infectious Disease, 693

Ronnie M. Gravett and James Henry Willig

51 ID Memory Aids, 711

Carlos R. Mejia-Chew, Gerome Escoto, and Jane A. O'Halloran

Section 6: Self-Assessment, 727

Sample Questions, 727

Section 7: Self-Assessment Answers, 733

Sample Answers, 733

See more quizzes in the eBook at www.expertconsult.com

Index, 735