



Auflage: 1st Edition 2016
 Seiten: 306
 Abbildungen: 272
 Einband: Hardcover, 22 x 28,5 cm
 ISBN: 978-0-86715-647-8
 Artikelnr.: 10151
 Erschienen: Januar 2016

Preis
 Änderungen vorbehalten!

48,00 €

Quintessenz Verlags-GmbH

📍 Ifenpfad 2-4
 12107 Berlin
 Deutschland
 ☎ +49 (0) 30 / 76180-5
 📠 +49 (0) 30 / 76180-680
 ✉ info@quintessenz.de
 🌐 <http://nginx/deu/de>

Buch-Information

Autoren: Nejat Düzgünes
Titel: Medical Microbiology and Immunology for Dentistry
Kurztext:

This clinically oriented textbook explores medical microbiology and immunology as they relate to the practice of dentistry, including sections on the microbiologic basis of caries, periodontal disease, and endodontic infection. The book begins with a thorough discussion of immunology and then systematically covers the bacteria, fungi, viruses, and parasites that affect the human body as well as their oral manifestations. Extremely detailed illustrations throughout aid the reader in comprehending the complex interactions involved in processes such as cellular immunity, bacterial and fungal infiltration, biofilm and dental plaque formation, and virus entry and replication. Sections on recombinant DNA technology, molecular diagnostics, and genomics familiarize the reader with new technologies and emerging fields that will impact future practice. Notable discoveries in molecular biology are highlighted throughout, and research questions are featured as well to engage understanding and critical thinking. Finally, an appendix of cases in medical microbiology challenges the reader to pose diagnoses based on clinical symptoms. This book will no doubt become the definitive textbook on microbiology for dental students and dentists.

Contents

Part I: Immunity

Chapter 01. The Immune System
 Chapter 02. Antibodies and Complement
 Chapter 03. Cellular Immunity
 Chapter 04. The Immune Response to Pathogens and Immunopathogenesis
 Chapter 05. Vaccines

Part II: Bacteria

Chapter 06. Bacterial Structure, Metabolism, and Genetics
 Chapter 07. Bacterial Pathogenesis
 Chapter 08. Antibacterial Chemotherapy
 Chapter 09. Sterilization, Disinfection, and Antisepsis
 Chapter 10. Microbial Identification and Molecular Diagnostics
 Chapter 11. Staphylococcus
 Chapter 12. Streptococcus
 Chapter 13. Miscellaneous Gram-Positive Bacilli
 Chapter 14. Clostridium
 Chapter 15. Bordetella, Legionella, and Miscellaneous Gram-Negative Bacilli
 Chapter 16. Neisseria and Neisseriaceae
 Chapter 17. Spirochetes
 Chapter 18. Enterobacteria, Campylobacter, and Helicobacter
 Chapter 19. Mycoplasma and Ureaplasma
 Chapter 20. Mycobacteria
 Chapter 21. Chlamydia, Rickettsia, and Related Bacteria
 Chapter 22. Vibrio, Pseudomonas, and Related Bacteria
 Chapter 23. Oral Microflora and Caries
 Chapter 24. Periodontal and Endodontic Infections

Part III: Fungi

Chapter 25. Fungal Structure, Replication, and Pathogenesis
 Chapter 26. Fungal Diseases
 Chapter 27. Antifungal Chemotherapy

Part IV: Viruses

Chapter 28. Viral Structure, Replication, and Pathogenesis
Chapter 29. Antiviral Chemotherapy
Chapter 30. Naked Capsid DNA Viruses
Chapter 31. Human Immunodeficiency Virus and Other Retroviruses
Chapter 32. Hepatitis Viruses
Chapter 33. Herpesviruses
Chapter 34. Orthomyxoviruses: Influenza Virus
Chapter 35. Paramyxoviruses: Measles, Mumps, and Respiratory Syncytial Viruses
Chapter 36. Picornaviruses
Chapter 37. Arboviruses
Chapter 38. Rhabdoviruses, Poxviruses, and Coronaviruses
Chapter 39. Rubella Virus, Filoviruses, Reoviruses, and Noroviruses

Part V: Other

Chapter 40. Prions
Chapter 41. Pathogenic Parasites

Fachgebiet(e): [Humanmedizin, Zahnheilkunde allgemein, Literatur fürs Studium](#)