1. Record Nr. UNINA9910969523503321

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Titolo	Practical Medical Microbiology for Clinicians
Pubbl/distr/stampa	Wiley, 2015
ISBN	9781119067115 1119067111
Edizione	[1st ed.]
Descrizione fisica	1 online resource (753 p.)
Altri autori (Persone)	JerrisRobert C
Disciplina	616.9/041
Soggetti	Microbiological Phenomena Microbiological Techniques Clinical Laboratory Techniques Investigative Techniques Therapeutics Microbiology & Immunology Biology Health & Biological Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Title Page; Table of Contents; Preface; Acknowledgments; SECTION I: Laboratory methods in clinical microbiology; CHAPTER 1: Introduction; Taxonomy; Purposes of the clinical microbiology laboratory; Principles of diagnostic testing; How do we know the true state (disease or no disease)?; Antimicrobial resistance; Further reading; CHAPTER 2: Microbiology laboratory methods; Reasons for making a microbial diagnosis; Basic methods used in microbiology; Bacteriologic methods; How precise should a microbiologic diagnosis be?; Virologic methods; Detecting and identifying fungi Detecting and identifying parasitesLaboratory safety; Further reading; Resource; SECTION II: Prions and viruses; CHAPTER 3: Prions; Diagnosis; Further reading; CHAPTER 4: General virology; Properties of viruses; Taxonomy of viruses; Further reading; CHAPTER 5: DNA viruses (excluding hepatitis B virus); Herpesviruses (Herpesviridae); Adenoviruses (Adenoviridae); Polyomaviruses (Polyomaviridae);

Papillomaviruses (Papillomaviridae); Poxviruses (Poxviridae); Parvoviruses (Parvoviridae); Reference; Further reading
CHAPTER 6: RNA viruses (excluding hepatitis viruses, arthropod-borne viruses, and bat and rodent excreta viruses)Picornaviruses (Picornaviridae); Orthomyxoviruses (Orthomyxoviridae); Paramyxoviruses (Paramyxoviridae); Coronaviruses (Coronaviridae); Reoviruses (Reoviridae) (Respiratory Enteric Orphan viruses); Caliciviruses (Caliciviridae); Astroviruses (Astroviridae); Rhabdoviruses (Rhabdoviridae); Togaviruses (Togaviridae); Retroviruses (Retroviridae); Further reading; CHAPTER 7: Hepatitis viruses; Hepatitis A virus (HAV); Hepatitis B virus (HBV); Hepatitis C virus (hepacivirus)
Hepatitis delta (D) virusHepatitis E virus; Further reading; CHAPTER 8: Arthropod-borne viruses (arboviruses), hantaviruses, arenaviruses, and filoviruses; Flaviviruses (Flaviviridae); Togaviruses (Togaviridae); Bunyaviruses (Bunyaviridae); Reoviruses (Reoviridae); Arenaviruses (Arenaviridae); Filoviruses (Filoviridae); Further reading; SECTION III: Bacteriology; CHAPTER 9: Bacteriology; Structure of bacteria; Genetic changes; Bacterial virulence factors; Mechanisms of resistance; Antibacterial agents; Further reading; CHAPTER 10: Gram-positive cocci; Staphylococci; Streptococci; Enterococci
Other Gram-positive cocciFurther reading; CHAPTER 11: Gram-negative cocci; Neisseria; Further reading; CHAPTER 12: Gram-positive rods; Sporogenous Gram-positive rods; Non-sporogenous Gram-positive rods; Other Gram-positive rods; Further reading; CHAPTER 13: Gram-negative rods; General features; Enterobacteriaceae; Non-Enterobacteriaceae Gram-negative rods from the environment; Non-Enterobacteriaceae Gram-negative rods from humans or animals; Further reading; CHAPTER 14: Anaerobic bacteria; General properties of anaerobes; Sporulating gram-positive rods; Non-sporulating Gram-positive rods
Gram-negative rods

Sommario/riassunto

Infectious diseases constitute a major portion of illnesses worldwide, and microbiology is a main pillar of clinical infectious disease practice. Knowledge of viruses, bacteria, fungi, and parasites is integral to practice in clinical infectious disease. Practical Medical Microbiology is an invaluable reference for medical microbiology instructors. Drs. Berkowitz and Jerris are experienced teachers in the fields of infectious diseases and microbiology respectively, and provide expert insight into microorganisms that affect patients, how organisms are related to each other, and how they are isolated and identified in the microbiology laboratory. The text also is designed to provide clinicians the knowledge they need to facilitate communication with the microbiologist in their laboratory. The text takes a systematic approach to medical microbiology, describing taxonomy of human pathogens and consideration of organisms within specific taxonomic groups. The text tackles main clinical infections caused by different organisms, and supplements these descriptions with clinical case studies, in order to demonstrate the effects of various organisms. Practical Medical Microbiology is an invaluable resource for students, teachers, and researchers studying clinical microbiology, medical microbiology, infectious diseases, and virology.