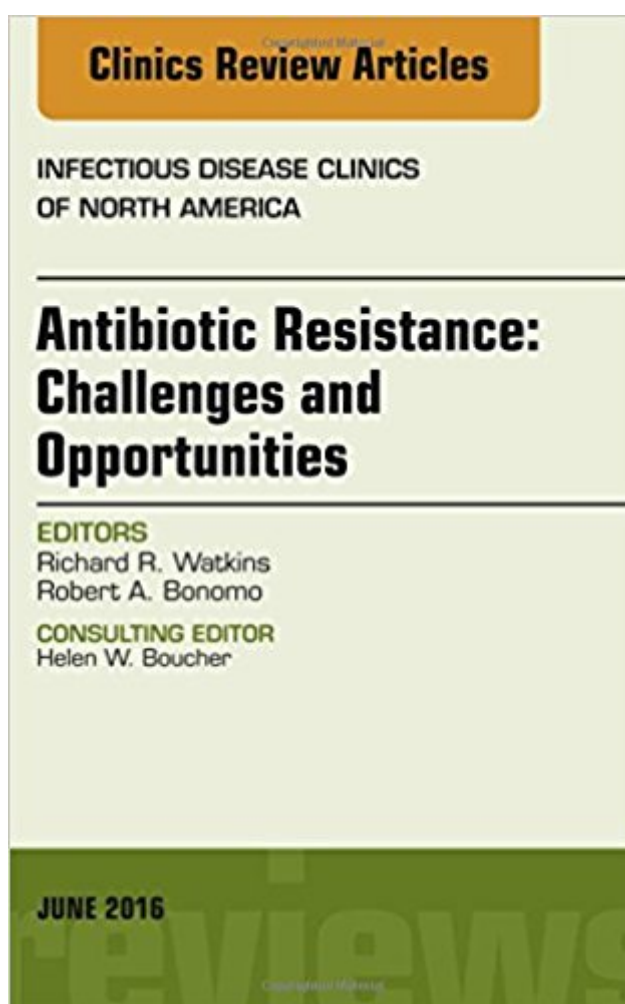


The book was found

Antibiotic Resistance: Challenges And Opportunities, An Issue Of Infectious Disease Clinics Of North America, 1e (The Clinics: Internal Medicine)





Synopsis

For many years, physicians and the public assumed that the discovery of new antimicrobial agents would outpace the ability of bacteria to mutate and develop drug resistance. Yet the development of new antibiotics has not kept up with bacterial evolution, especially since the late 1990s. At that time a multitude of pharmaceutical companies abandoned antibiotic research because of strong economic disincentives. For example, it is challenging for these companies to recoup the investment (typically in the hundreds of millions of dollars) made in developing a new antibiotic, which is typically prescribed for a few days, compared to drugs that treat chronic conditions like heart disease or mental illness. This situation has led the U.S. federal government to take a more active lead in addressing antibiotic resistance. Recently, the White House announced an action plan that includes improving surveillance, developing better diagnostic tools, accelerating drug development, and improving global coordination of antibiotic resistance issues. Equally important is the \$1.2 billion dollars that has been pledged to fund these efforts. While we await the implementation of new policies, this issue of Infectious Disease Clinics of North America brings together leading authorities in the field of antibiotic resistance who discuss current issues including antibiotic stewardship, the changing role of the microbiology laboratory in determining antibiotic resistance in gram-negative pathogens, the continuing spread of metallo- β -lactamases, ESBLs and KPCs, antibiotic options for treating resistant gram-negative infections such as colistin and tigecycline, resistance mechanisms and new treatment options for *Mycobacterium tuberculosis*, emerging resistance mechanisms in aminoglycosides, issues with antibiotic resistance in immunocompromised patients, new β -lactamase inhibitors in the clinic, and resistance in VRE and *Staphylococcus aureus*. Additionally, combination therapy for resistant gram-negative infections has been advocated by some authorities and the advantages and disadvantages of this strategy will be reviewed.

Book Information

Series: The Clinics: Internal Medicine

Hardcover

Publisher: Elsevier (June 10, 2016)

Language: English

ISBN-10: 0323446183

ISBN-13: 978-0323446181

Product Dimensions: 6.1 x 0.7 x 9.1 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,111,597 in Books (See Top 100 in Books) #104 in Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Preventive Medicine #243 in Books > Medical Books > Medicine > Preventive Medicine #428 in Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Infectious Diseases

[Download to continue reading...](#)

Antibiotic Resistance: Challenges and Opportunities, An Issue of Infectious Disease Clinics of North America, 1e (The Clinics: Internal Medicine) Reproductive Health, An Issue of Rheumatic Disease Clinics of North America, 1e (The Clinics: Internal Medicine) Travel and Adventure Medicine, An Issue of Medical Clinics of North America, 1e (The Clinics: Internal Medicine) Medical Care for Kidney and Liver Transplant Recipients, An Issue of Medical Clinics of North America, 1e (The Clinics: Internal Medicine) Controversies in Spinal and Cranial Surgery, An Issue of Neurosurgery Clinics of North America, 1e (The Clinics: Internal Medicine) Cystic Fibrosis, An Issue of Pediatric Clinics of North America, 1e (The Clinics: Internal Medicine) Pediatric Gastroenterology, An Issue of Pediatric Clinics of North America, 1e (The Clinics: Internal Medicine) Bone Marrow Transplantation, An Issue of Hematology/Oncology Clinics of North America, 1e (The Clinics: Internal Medicine) Anemia, An Issue of Medical Clinics of North America, 1e (The Clinics: Internal Medicine) Gastroparesis, An issue of Gastroenterology Clinics of North America, 1e (The Clinics: Internal Medicine) Diabetes Management, An Issue of Medical Clinics of North America, 1e (The Clinics: Internal Medicine) Quality Improvement in Neonatal and Perinatal Medicine, An Issue of Clinics in Perinatology, 1e (The Clinics: Internal Medicine) Cystic Fibrosis, An Issue of Clinics in Chest Medicine, 1e (The Clinics: Internal Medicine) Lung Cancer, An Issue of Clinics in Chest Medicine, 1e (The Clinics: Internal Medicine) Oral Medicine: A Handbook for Physicians, An Issue of Medical Clinics, 1e (The Clinics: Internal Medicine) Hepatology and Critical Care, An Issue of Critical Care Clinics, 1e (The Clinics: Internal Medicine) Health Care for Underserved Women, An Issue of Obstetrics and Gynecology Clinics, 1e (The Clinics: Internal Medicine) Cardiology Drug Update, An Issue of Cardiology Clinics, 1e (The Clinics: Internal Medicine) Pharmacology, An Issue of Anesthesiology Clinics, 1e (The Clinics: Internal Medicine) Endoscopic Submucosal Dissection, An Issue of Gastrointestinal Endoscopy Clinics, 1e (The Clinics: Internal Medicine)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)