



# Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy)

From Brand: CRC Press

Download now

Read Online 

## Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy) From Brand: CRC Press

This book focuses on topics ranging from the economics of drug-resistant infections and the management of antimicrobial use to new information on methods to optimize the selection, route of administration, dosing, and duration of antimicrobial therapies for common infections. In addition to offering ideas on studied programmatic approaches for judicious utilization of antimicrobial agents, this reference discusses practical means to track intervention outcomes through benchmarking. Authored by experts in their respective fields, the book contains essential principles and practical strategies to optimize the utility of antimicrobial agents in modern inpatient health care settings.

 [Download Antibiotic Optimization: Concepts and Strategies i ...pdf](#)

 [Read Online Antibiotic Optimization: Concepts and Strategies ...pdf](#)

# **Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy)**

*From Brand: CRC Press*

## **Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy)**

From Brand: CRC Press

This book focuses on topics ranging from the economics of drug-resistant infections and the management of antimicrobial use to new information on methods to optimize the selection, route of administration, dosing, and duration of antimicrobial therapies for common infections. In addition to offering ideas on studied programmatic approaches for judicious utilization of antimicrobial agents, this reference discusses practical means to track intervention outcomes through benchmarking. Authored by experts in their respective fields, the book contains essential principles and practical strategies to optimize the utility of antimicrobial agents in modern inpatient health care settings.

## **Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy)**

**From Brand: CRC Press Bibliography**

- Sales Rank: #5032344 in Books
- Brand: Brand: CRC Press
- Published on: 2004-11-04
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 6.00" w x 1.50" l, 2.25 pounds
- Binding: Hardcover
- 688 pages

 [Download Antibiotic Optimization: Concepts and Strategies i ...pdf](#)

 [Read Online Antibiotic Optimization: Concepts and Strategies ...pdf](#)

## **Editorial Review**

From The New England Journal of Medicine

During the past decade, there has been a substantial rise in the number of antibiotic-resistant infectious organisms. Antimicrobial resistance is important because of its effect on the success and cost of antimicrobial treatment and on the treatment of patients in both the hospital and the community. There are few new antimicrobial compounds on the horizon, because many major pharmaceutical companies are no longer involved in the discovery of antimicrobial drugs. To that end, the principles of and programs for reducing the spread of resistant pathogens and of optimizing the efficacy of currently available antimicrobial agents are of interest to many clinicians. "Antimicrobial stewardship," a term coined by Dr. Dale Gerding, applies to the selection of an antimicrobial agent and its appropriate dosage and duration of therapy. In principle, this results in the best clinical outcome in the treatment or prevention of infection, with the least toxicity and, most important, a minimal effect on the development of resistance in the patient and in larger populations, whether in the hospital or the community. The goal of Antibiotic Optimization is to provide the practicing clinician and the interested administrator with the background, scientific foundation, and practical knowledge required to develop institutional programs that foster good antimicrobial stewardship. The book draws on many recommendations by professional societies and national and international organizations that have recognized the importance of antimicrobial stewardship as a mechanism to prevent antimicrobial resistance. The editors are to be congratulated for assembling an expert group of authors to write the 19 chapters that make up this treatise. The book has two main parts. The initial chapters provide an overview of topics that serve as the foundation of a successful program of antimicrobial stewardship, such as the importance of a pharmacy and therapeutics committee, a program for infection control and hospital epidemiology, and a basic understanding of pharmacoeconomics, pharmacokinetics, and pharmacodynamics. The remainder of the book deals with examples of the application of antimicrobial stewardship. These chapters provide insight into the importance of pharmacodynamic principles, transitional-therapy programs, and the development and implementation of an antimicrobial formulary. The chapters are very well referenced and understandable for readers without expert knowledge of the subject. In general, the references are to articles published up to 2003, with a few from 2004. The chapters that focus on the optimization of antibacterial therapy to maximize patient safety, the application of pharmacodynamics, and the importance of an antimicrobial formulary are especially well written. The examples of successfully implemented programs -- for example, the use of continuous infusions of antimicrobial agents or the transition of antimicrobial therapy from a parenteral to an oral form -- provide "real-life" methods of optimizing antimicrobial therapy. One criticism is the absence of a chapter on the role of the microbiology laboratory in the optimization of antibiotics. Appropriate testing and reporting are critical factors in the choice of an antimicrobial agent. In addition, some figures in the book are unreadable, and in the chapter on antimicrobial cycling, there is probably too much of the primary data without a countervailing discussion of the inconsistencies of the data in terms of efficacy. This subject is still being debated among most authorities. Despite these few deficiencies, this book is a good resource by which to ensure the appropriate use of antimicrobial therapy. Physicians already involved in antimicrobial-stewardship programs will not find much new information here, although the book will serve as a useful reference for them. It is written in a way that will appeal to a broad group of clinicians, pharmacists, nurses, researchers, hospital administrators, and policymakers. *Kenneth R. Lawrence, Pharm.D.*

Copyright © 2005 Massachusetts Medical Society. All rights reserved. The New England Journal of Medicine is a registered trademark of the MMS.

"The editors are to be congratulated for assembling an expert group of authors to write the 19 chapters that make up this treatise.a good resource by which to ensure the appropriate use of antimicrobial therapy." -New England Journal of Medicine

#### About the Author

The Princeton Review is the fastest growing test-preparation company in the country, with over 60 franchise offices in the nation. Each year, we help more than 2 million students prepare for college, grad school, professional licensing exams, and successful careers.

### Users Review

#### From reader reviews:

##### **Kathy Woodward:**

Nowadays reading books be than want or need but also get a life style. This reading behavior give you lot of advantages. The benefits you got of course the knowledge the rest of the information inside the book that will improve your knowledge and information. The details you get based on what kind of book you read, if you want have more knowledge just go with training books but if you want sense happy read one having theme for entertaining for example comic or novel. Typically the Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy) is kind of reserve which is giving the reader unpredictable experience.

##### **Steven Bourg:**

The publication with title Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy) has lot of information that you can learn it. You can get a lot of profit after read this book. This particular book exist new understanding the information that exist in this reserve represented the condition of the world currently. That is important to you to learn how the improvement of the world. That book will bring you within new era of the globalization. You can read the e-book on your own smart phone, so you can read the item anywhere you want.

##### **Lana Spalding:**

The reason why? Because this Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy) is an unordinary book that the inside of the book waiting for you to snap it but latter it will jolt you with the secret that inside. Reading this book close to it was fantastic author who also write the book in such incredible way makes the content within easier to understand, entertaining means but still convey the meaning totally. So , it is good for you for not hesitating having this ever again or you going to regret it. This unique book will give you a lot of benefits than the other book get such as help improving your talent and your critical thinking means. So , still want to postpone having that book? If I have been you I will go to the reserve store hurriedly.

**Jessica Adkins:**

As a university student exactly feel bored in order to reading. If their teacher expected them to go to the library in order to make summary for some reserve, they are complained. Just minor students that has reading's spirit or real their passion. They just do what the trainer want, like asked to the library. They go to there but nothing reading significantly. Any students feel that studying is not important, boring and can't see colorful images on there. Yeah, it is to become complicated. Book is very important to suit your needs. As we know that on this age, many ways to get whatever you want. Likewise word says, ways to reach Chinese's country. Therefore , this Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy) can make you truly feel more interested to read.

**Download and Read Online Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy)**

**From Brand: CRC Press #L0T8DWRU4M3**

# **Read Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy) From Brand: CRC Press for online ebook**

Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy) From Brand: CRC Press Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy) From Brand: CRC Press books to read online.

## **Online Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy) From Brand: CRC Press ebook PDF download**

**Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy) From Brand: CRC Press Doc**

**Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy) From Brand: CRC Press MobiPocket**

**Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy) From Brand: CRC Press EPub**

**L0T8DWRU4M3: Antibiotic Optimization: Concepts and Strategies in Clinical Practice (Infectious Disease and Therapy) From Brand: CRC Press**