

Infectious Disease PHARMACOTHERAPY *Self Assessment*

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DEDICATION

We dedicate this self-assessment book to those students and practitioners who participate in lifelong self-learning and strive to do better for their patients.

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PREFACE

Every patient in his or her lifetime will develop an infectious disease just as pharmacists encounter infectious diseases in various populations daily. The patient may be presenting with a primary infectious disease process or with multiple problems and the added complication of an infectious process requiring specialized care and development of an appropriate treatment plan. The management of infectious diseases requires keen clinical skills and knowledge. *Infectious Disease Pharmacotherapy Self Assessment* is designed to provide clinicians with patient-specific, case-based learning for students, new practitioners, and advanced level practitioners. This textbook provides practitioners with infectious disease pharmacotherapy knowledge to care for pediatric and adult patients in various healthcare settings. Other infectious disease topics such as stewardship, antibiograms, and vaccinations are also assessed. The cases represent a range of clinical situations of varying complexity and include corresponding self-assessment questions and answers.

Each case is based on a real patient and designed to include clinical data necessary to develop a treatment plan for all aspects of care, including assessing patient-specific parameters used in the diagnosis of the infectious process; developing goals and clinical outcomes; preventing or managing comorbidities; and monitoring parameters and relevant patient/caregiver education. The intent of each case is to develop skills in identifying clinical relative patient and disease information to support a specific diagnosis and design an appropriate treatment and monitoring plan for the management of the infectious disease. The self-assessment cases may be useful for didactic coursework and preparation for both introductory and advanced pharmacy practice experiences (IPPEs/APPEs). The cases may also be valuable prior to starting a PGY1 or PGY2 residency rotation or a position focused in infectious diseases. The casebook's varying levels of difficulty allow further self-assessment after attainment of basic knowledge and skills.

The casebook is divided into two parts: patient cases (Part I) and self-assessment questions and answers (Part II). The contributors provide a variety of patient cases encountered in their respective practices. Cases are designed as level 1 (*beginner*), level 2 (*intermediate*), or level 3 (*advanced*), which allows the casebook to be a resource for students, residents, and practitioners. Sources are provided for each disease state case so that practitioners can use the primary source for additional information and/or clarification. Current practice guidelines are referenced including the CDC's *Sexually Transmitted Diseases Treatment Guidelines, 2015* and the DHHS's *Guidelines for the Use of Antiretroviral Agents in HIV-1-Infected Adults and Adolescents* (April 2015). The casebook incorporates many situations to address managing a patient with an infectious disease and handling other infectious disease issues (e.g., stewardship, infection control, etc.). The intent of the editors and contributors is to provide opportunities for self-assessment through practice and knowledge application, thereby contributing to the development of students and practitioners in managing an infectious process.

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Diane B. Ginsburg

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Lastly, a sincere thank-you to the ASHP Special Publications staff who listened to our ideas and assisted in the development of this self-assessment textbook. We are proud to be part of the self-assessment series to assist students and practitioners in strengthening their patient care knowledge related to infectious diseases.

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