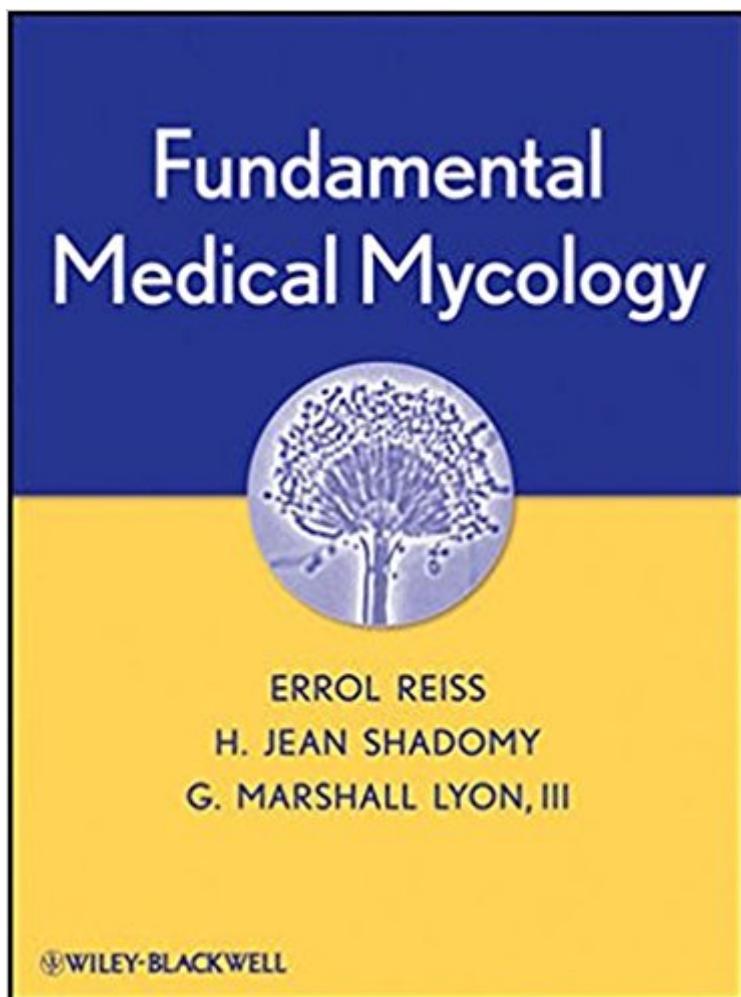


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# Fundamental Medical Mycology



## Synopsis

Medical mycology deals with those infections in humans, and animals resulting from pathogenic fungi. As a separate discipline, the concepts, methods, diagnosis, and treatment of fungal diseases of humans are specific. Incorporating the very latest information concerning this area of vital interest to research and clinical microbiologists, *Fundamental Medical Mycology* balances clinical and laboratory knowledge to provide clinical laboratory scientists, medical students, interns, residents, and fellows with in-depth coverage of each fungal disease and its etiologic agents from both the laboratory and clinical perspective. Richly illustrated throughout, the book includes numerous case presentations.

## Book Information

Hardcover: 656 pages

Publisher: Wiley-Blackwell; 1 edition (November 1, 2011)

Language: English

ISBN-10: 0470177918

ISBN-13: 978-0470177914

Product Dimensions: 8.5 x 1.7 x 11.1 inches

Shipping Weight: 3.4 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #1,513,018 in Books (See Top 100 in Books) #60 in Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Parasitology #119 in Books > Medical Books > Medicine > Internal Medicine > Infectious Disease > Parasitology #392 in Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Microbiology

## Customer Reviews

âœThe book does a superlative job in addressing recent advances in medical mycology, which include identifying emerging pathogens, new antifungal drugs and strategies for their use; progress in molecular diagnostics; and up-to- date knowledge about host defenses against fungi, especially opportunistic pathogens.â• (Emerging Infectious Diseases, August 2012) "This text provides the first book in almost 10 years for students and clinicians interested in the medical microbiology of fungi. This new book's scope is well balanced between medical and microbiological knowledge of the major fungi pathogenic for humans." (Clinical Laboratory International, 19 December 2011) Â

Provides a solid foundation for both clinical laboratory and medical practice Drawing from the most

current research findings in mycology, immunology, and molecular biology, *Fundamental Medical Mycology* is an ideal textbook and general reference to the field. The authors' in-depth coverage of laboratory diagnostic methods, state-of-the-art infectious disease practice, and epidemiology creates a solid foundation for readers interested in clinical laboratory science, medical practice, and public health. The text begins with three chapters that set the stage for the nineteen fungal disease-specific chapters that follow. The first chapter explores the broad spectrum of diseases, taxonomy, reproduction, physiology of the fungal cell, primary and opportunistic pathogens, and determinants of pathogenicity. The second chapter presents step-by-step classical and molecular laboratory diagnostic methods. The third chapter examines antifungal therapy as well as antifungal susceptibility testing. Each one of the disease-specific chapters adheres to a uniform organization, making it easy to locate materials and compare the underlying causes, symptoms, and treatments for each fungal disease. Readers will find coverage of such critical topics as etiologic agents, epidemiology, risk factors, transmission, clinical and veterinary forms, therapies, and laboratory detection. Moreover, each chapter features: Case studies that help readers understand how fungal diseases are detected and treated Illustrations to support accurate identification of fungal agents and diagnosis of disease Questions and answers to gauge readers' grasp of key concepts as they progress in the text Selected references supporting further research of key concepts, fungal agents, and diseases A glossary defines all the key terms used throughout the text. This book serves as a current reference for clinical microbiologists and healthcare professionals and as a textbook for courses in medical mycology. No prior knowledge of mycology is assumed, making the text highly accessible to all readers who have a basic foundation in general biology and medical microbiology.

Received book in excellent condition.

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