



## Case Studies in Infectious Disease

By Peter Lydyard, Michael Cole, John Holton, Will Irving, Nino Porakishvili, Pradhib Venkatesan, Kate Ward

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*Case Studies in Infectious Disease* presents forty case studies featuring the most important human infectious diseases worldwide. Written for students of microbiology and medicine this book describes the natural history of infection from point of entry of the pathogen through pathogenesis, followed by clinical presentation, diagnosis and treatment.

Five core sets of questions are posed in each case. What is the nature of the infectious agent, how does it gain access to the body, what cells are infected, and how does the organism spread? What are the host defense mechanisms against the agent and how is the disease caused? What are the typical manifestations of the infection and the complications that can occur? How is the infection diagnosed and what is the differential diagnosis? How is the infection managed, and what preventative measures can be taken to avoid infection?

This standardized approach provides the reader with a logical basis for understanding these diverse and medically important organisms, fully integrating microbiology and immunology throughout.

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Review

**"Scientifically, the chapter is accurate...the figures have been well chosen and they will help the reader to grasp the main points more readily. It was a pleasure reviewing this material..."**

Dr Juerg Utzinger, Swiss Tropical Institute, Switzerland

(referring to Case 32. *Schistosoma*)

**"I like the use of questions to deliver teaching to students. They can easily identify with what is being discussed and how it fits in with the overall chapter. It can also quickly direct learning to the appropriate part of the text and aid revision."**

Dr Gordon Ramage, Glasgow Caledonian University, UK

(referring to Case 1. *Aspergillus fumigatus*)

**"...this is an extremely well-written book that would be a useful primer for microbiology – and medical students in understanding the natural history, diagnosis and treatment of many of the world's most important human infectious diseases. It may also be of benefit to the research scientist, clinical laboratory scientist and practising infectious disease physicians."**

Andrew Taylor-Robinson, Faculty of Biological Sciences, University of Leeds, *British Society of Immunology Newsletter*

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