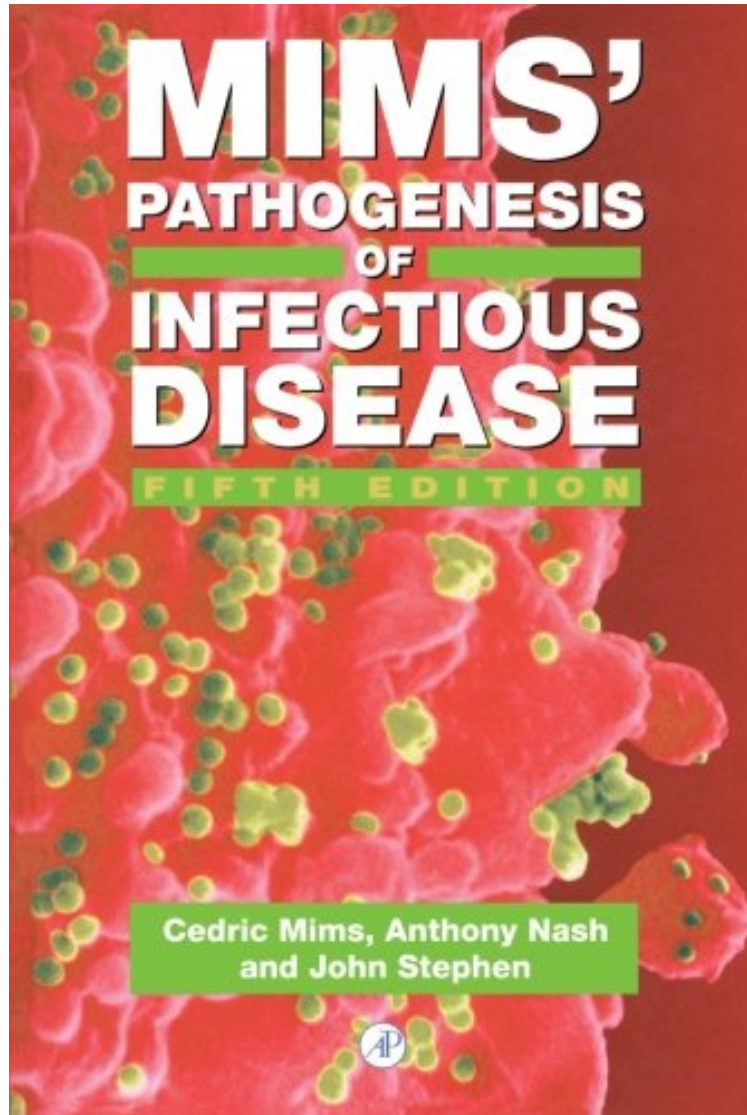


Mims' Pathogenesis of Infectious Disease, Fifth Edition

Anthony A. Nash, Cedric A. Mims, John Stephen
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Anthony A. Nash, Cedric A. Mims, John Stephen : Mims' Pathogenesis of Infectious Disease, Fifth Edition
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Mims' Pathogenesis of Infectious Disease is the landmark book in the field of infectious disease. The new, revised edition of this work provides a comprehensive, up-to-date description of the mechanisms of microbial infection and the pathogenesis of infectious disease. Presented in a clear, accessible style, it deals in an integrated manner with the spectrum of microorganisms, describing the factors common to all infectious diseases. Molecular biology, pathology, and immunology are brought together to explain the mechanisms for spread, immune response, and recovery. Microbial gene sequencing
Up-to-date picture of the global burden of infectious diseases
Role of bacterial virulence factors in vivo, as contrasted with possibilities based on in vitro evidence
Latest data on combination vaccines, the promise of edible vaccines
The spread of antibiotic resistance genes among bacteria
HIV1 and HIV2; molecular biology, pathogenesis and origin
Latest data on tuberculosis - the number one infectious disease worldwide
Recent work on papillomaviruses, herpesviruses, BSE and variant CJD
Latest data on microbial evasion of immune defences
Origin and molecular biology of pandemic influenza
Significance of toxins
An update on vaccines, prions, immune evasion, microbial ligands and receptors

Praise for the previous editions: "This is an outstanding book of high scholarship of much interest to immunologists, microbiologists, pathologists and all those concerned with infectious diseases." --Molecular Medicine Today "A splendidly imaginative book which will become a trusty companion for many of us." --The Lancet "An excellent book which should be read by teachers, students, and research workers." --New Scientist
From the Publisher
Praise for Previous Editions "Clear, well-written text including tables, and impressive schematic drawings" (Experimental Pathology) "It remains excellent value for money and will I am sure long continue to be a standard text." (Journal of Medical Microbiology) "...Professor Mims offers the student a chance to acquire a sound appreciation of the infectious process." (British Medical Journal) "A splendidly imaginative book which will become a trusty companion for many of us." (The Lancet) "...An excellent book which should be read by teachers, students and research workers." (New Scientist)
From the Back Cover
Just as the virologist has to study not only the virus itself but also the cell and its response to infection, so the student of infectious disease must understand the body's response to infection as well as the properties of the invading microbe. An understanding of pathogenesis is vital in our continuing battle against infectious diseases and for the development of new treatment and preventative strategies.
The new revised edition of this unique and highly readable work describes the mechanisms by which invading microbes cause disease and how the body reacts in defence. Principles are clearly explained, using examples from bacterial, parasitic, viral and fungal infections.
New features include:
* Microbial gene sequencing
* Role of bacterial virulence factors in vivo
* Latest data on tuberculosis - the number one infectious disease worldwide
* Role of pathogenic cytokines
* Significance of toxins
* An update on vaccines, prions, immune evasion, microbial ligands and receptors
Now regarded as a classic, Mims' Pathogenesis of Infectious Disease continues to be essential reading for all microbiology, infectious disease, immunology and pathology students at undergraduate and postgraduate levels, medical students and those new to the field.