

Microbiology Nuts Bolts: Key Concepts of Microbiology Infection

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Microbiology Nuts & Bolts



Key Concepts of
Microbiology & Infection

2nd Edition

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Dr David Garner : Microbiology Nuts Bolts: Key Concepts of Microbiology Infection before purchasing it in order to gauge whether or not it would be worth my time, and all praised Microbiology Nuts Bolts: Key Concepts of Microbiology Infection:

1 of 1 people found the following review helpful. Must have guide to managing infection By Dr P DeAs a clinical microbiologist I have to say that this is the book we didn't know was needed. Fortunately, David Garner realised this book needed to be written, and went ahead and wrote it. It is a work of genius in its simplicity. Unlike many (every ?) other book about infection/microbiology it is written from the perspective of the frontline, routine practice of a UK-based clinical microbiologist, whose roles are clinical and laboratory microbiology, infection prevention and control, and antimicrobial stewardship, sometimes all at the same time, in normal working hours and out of hours (weekends and nights). In my experience it is a unique text, because its viewpoint is neither that of an infectious disease text, nor

that of a microbiology text, but a confluence of the two, from a microbiologist's view. This is important because it deals with the daily reality of enquiries, usually from junior doctors, usually mundane (to microbiologists), but which aren't readily and quickly answerable from existing books or the internet. It is compact but detailed enough to be more than adequate for day to day use. It is not a reference text, nor does it claim to be. But it answers the questions we are most often asked on a daily basis, and at least one common request from a teaching perspective: the spectrum of activity of common antimicrobials. This section, part of a whole chapter on antibiotics, is summarised in a table and then is detailed by each antimicrobial class. The section also deals with antimicrobial stewardship in depth before an antibiotic is even mentioned by name. There is even a practical section on sensitivity testing in the laboratory. Other chapters deal with basic microbiology (clinical and laboratory, even how to interpret results and the importance of adequately completing the request form !), infections of different body systems, and emergencies. The chapter on infection control, which is practice-based, has a section on root cause analysis, which will be very familiar to UK microbiologists and infection control nurses. There is also a website with the same name as the book's title, and no doubt in future a smartphone app will follow. This is an invaluable text and will be useful for doctors, nurses, students and anyone involved in healthcare who deals with infection, whether in the UK or elsewhere. I have now relocated to Singapore and although the practice of microbiologists is different compared to the UK, the problems faced by doctors and nurses on the wards, and the questions they ask us, are universal. Finally, any book that mentions "man 'flu" must be worth reading !

A clinically focused, no-nonsense pocket book to the key elements of microbiology and infection. A must-have guide to stop common and often unnecessary mistakes that occur in everyday medicine and antibiotic prescribing. Microbiology Nuts Bolts, now in its second edition, has been written to provide doctors and healthcare staff with the ability to confidently identify the microorganisms that are the cause of a patient's infection and how to treat them. The book is set out by condition rather than microorganism allowing for quick reference in a clinical setting. However, it is not an all-encompassing reference text and has deliberately not been referenced extensively in order to keep its presentation simple. It is intended to be concise enough to be of use on a daily basis, be it on a ward or in a clinic, yet detailed enough to promote a thorough understanding of microorganisms, their management and ultimately patient treatment. The book is divided into six parts: Basic Concepts, Microbiology, Infection Control, Clinical Scenarios, Antibiotics and Emergencies. It is best to read Basic Concepts and Microbiology thoroughly first, as this will give the building blocks to understanding infections. After that, dipping into the Clinical Scenarios and Antibiotics sections will aid the diagnosis and management of patients with specific infections. Emergencies have been separated into their own section to ensure they can be found quickly. Flowcharts help guide initial emergency treatment, which often needs to be implemented immediately in order to save lives, although they are not a replacement for experienced senior support. Infection Control does not go into depth regarding policies and politics but gives practical advice about preventing the spread of infections and what to do when you have too many patients for the side rooms available. The first edition was well received by doctors and healthcare staff and their valuable feedback has been instrumental in this second edition, which has been fully up-dated with new antibiotics and updates for the management of Hepatitis C, *C. difficile* and STDs. Fever in a returned traveller has been expanded and a new section added on Malaria. Antibiotic Stewardship is explained along with a simple method of remembering how antibiotics work and how antibiotic resistance occurs. The ultimate aim of the book is to empower doctors and healthcare staff to manage patients with infections better; if it achieves this then it will be a success. "A well-written book...concise, well set out and easy to use. It contains a wealth of useful information and is a valuable resource. Would recommend this book to trainees in any specialty including microbiology and to students wishing to improve their knowledge of microbiology". The Royal College of Pathologists "This book delivers a uniquely relevant and accessible take on microbiology and does an excellent job of bridging the gap between the dry lists of pathogens learnt at medical school and the clinical reality of infection...I would recommend it to medical students and junior doctors in all specialties". The Royal College of Physicians "This book provides an impressively broad coverage of microbiology in theory and practice and I can see uses for it for students, junior doctors and general practitioners. In the Proteus-like swarm of handbooks this one has found its niche...it still has a place in my bag several weeks after I first picked it up". The British Society for Antimicrobial Chemotherapy "This carefully edited pocket guide to all things infection related packs a vast amount of information into a small space, and would be a useful back-up or portable revision aid for any pharmacist dealing with infection. This would make this a practical aide-memoire for the busy clinician, akin to the Oxford Clinical Handbook series". The Royal Pharmaceutical Society

About the Author The author qualified from Southampton University Medical School, United Kingdom, in 1997 and gained his background knowledge from jobs in medicine, general surgery, emergency medicine and paediatrics. After 5 years of specialist training he gained his CCT in Microbiology in 2006. Now as a Consultant Clinical Microbiologist in an NHS hospital in the UK, he spends his days diagnosing, treating and managing infections.