

Book Reviews

Tuberculosis and Leprosy, British Medical Bulletin Vol 44 no 3 July 1988 – Scientific Editor R.J.W. Rees. Pp. 297, illustrated. Churchill-Livingstone, Edinburgh, London, 1988. £22.50.

This number of the 44th volume of the British Medical Bulletin continues the high reputation of these books. It traces the recent advances in clinical knowledge and scientific understanding of mycobacterial diseases but why the title refers only to tuberculosis and leprosy is not clear. These advances have been helped by the development of DNA libraries and, in the case of *M. leprae* of the DNA bank which was made possible by the successful cloning of the entire *M. leprae* genome and its expression in *E. coli*.

Progress in the production of monoclonal antibodies against *M. tuberculosis* and the characterization of antigens at the T-cell level are described well in the first chapter. This, together with subsequent contributions on the metabolism of pathogenic mycobacteria, the structure of mycobacterial antigens, and the antigen specificity of human T-lymphocyte clones reactive with mycobacteria gives a fine picture of advances at molecular and cellular level. The role of activated macrophages is discussed in an interesting chapter on the immunopathology of tuberculosis including the interaction of gamma-interferon and its effects, which include the release of tumour necrosis factor (TNF).

For the clinician not only is this easy-to-read background to the advances critical to the understanding and the planning of the future clinical management and treatment strategies but the more clinically orientated problems are also dealt with very well. The contribution on extra-pulmonary tuberculosis where short term chemotherapy is the treatment of choice is a partnership from the MRC Cardiothoracic Epidemiology group at the Brompton Hospital and from Ruttonjee Sanatorium Hong Kong. The use of newer antibacterial drugs for the treatment of mycobacterial disease in man deals not only with tuberculosis but also with the effective treatment of *Mycobacteria avium* – *intracellulare* – *scrofulaceum* (MAIS) complex infections. It describes the fluorinated quinolones as amongst the most promising drugs at least for treating leprosy. This subject, the chemotherapy of leprosy, is dealt with separately and looks at the super-vised use of rifampicin with dapsone and clofazimine all of which are recommended for multibacillary patients. Finally in an easily read contribution the agents which may be used for the treatment of opportunist mycobacteria infections in acquired immuno-deficiency syndromes are well described.

Overall this is an excellent book, well up to the usual and expected standard of the British Medical Bulletin with good editorial style, a wide range of discussion on various mycobacterial diseases in general and it can be recommended for all those involved in the treatment of patients with opportunist infections due to mycobacteria and for those working or in the immunological and molecular fields. The title does not, alas, reflect the breadth of the contents.

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MCQs . . . Brainscan, Peter Elliott. Pp. 190. Springer-Verlag, London, Berlin, Heidelberg, New York, etc., 1989. Softcover DM 30.00.

This book contains 300 multiple choice questions suitable for candidates about to sit the examination for Membership of the Royal College of General Practitioners. The questions are grouped into the 15 subjects which have been chosen as relevant to general practice by the Royal College of General Practitioners examiners and the number of questions in each group is proportional to the number of questions the candidate would find in that group in the examination itself. The questions are printed on the right hand page and the answers conveniently overleaf. A major problem with MCQs is often ambiguity in the question itself and in his preface the author carefully defines the most common terms which he has used. This definition of terms is useful and since an effort has been made to avoid absolute figures, although the wording of the questions is sometimes a little contrived, very few ambiguous questions exist. It also gives the book a reasonable shelf life but unfortunately with the beginning of the new contract in April this year, a few of the questions on practice management are now out of date. This book will certainly help revision for the Membership of the Royal College of General Practitioners examination and some Trainers may wish to use it early in the training year as a means of assessing their new Trainees factual knowledge as long as it is appreciated that MCQs often fail to identify large deficiencies in the candidate's ability. The book is not expensive but it must have a limited shelf life and perhaps the MCQs which regularly and frequently appear in the medical tabloids will be of more use to Trainers who with a regular turnover of Trainees need up to date factual knowledge with which to work.

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Human Growth After Birth. 5th Edition, David Sinclair. Pp. ix + 259, illustrated. Oxford University Press, Oxford, New York, Tokyo, 1990. Paperback £12.50.

Why is the second permanent molar called the factory tooth? What was the result of David Livingstone's encounter with a Lion? Why should you choose your parents carefully? These, and other interesting snippets of information are to be found in the latest edition of this book. Its intended audience is pre-clinical medical students, nurses, science students being introduced to human biology, and paramedical workers. In the rewritten first chapter there is an excellent gentle and widely based introduction to cell biology looking from mitosis and meiosis through cellular, organ, and whole body function in the guise of an overview of growth.

In the following chapters the reader is led in more detail through many aspects of the growth of organs, tissues, and systems, and their relationships. During this journey