

defence mechanism, rather than individually, is well described, as well as the differences between the various organ systems. The final chapter gives a particularly good description of the concept of the 'therapeutic window', while the penultimate chapter steers us through the epidemiological role of antioxidants in cancer and cardiovascular disease. From prematurity to ageing, and in virtually all important illnesses in between, the role of free radicals is very well described and referenced.

This book is one which I wholeheartedly recommend to anyone interested in modern medicine, and I shall certainly be keeping it within easy reach.

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## Immunology

**Annual review of immunology**, vol 12, WE Paul, C Garrison Fathman, H Metzger, eds. pp 1093, illustrated. Annual Reviews, Palo Alto, California, 1994. £25.00, hardback

This volume is for the most part a compendium of immensely detailed and, for the selective reader, potentially invaluable information at a bargain price. If, as Francis Crick has recently pointed out, 'there is no form of prose more difficult to understand and more tedious to read than the average scientific paper', how much more true this is of even the best annual reviews. There is hardly anything in this book which one would actually read for pleasure but a noble exception is Polly Matzinger's essay on tolerance which is recommended even to Trust Hospital accountants. There are few contributions tailor-made for specific clinical specialists, though Bochner *et al*'s chapter on the immunology of asthma is immaculately authoritative. Most of the chapters deal with topics which will educate rather than instruct clinicians. Thus Pfeffer and Mak's exposition on transgenic technology is a window on the future for thinking doctors. Nor will any rheumatologist who blithely scribbles a request for 'anti-DNA antibodies' ever underestimate the awesome complexities of this subject after consulting Radic and Weigert's analysis of the genetics of anti-DNA antibody production. In short, this is an Olympian reference work for very selective reading.

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## Medical procedures

**Procedures in practice**, NA Scott, ed. pp xii + 272, illustrated. British Medical Journal, London, 1994. £14.95, paperback

Mr Scott has put together a very useful small textbook which will fit nicely into the pocket of a white coat. Twenty-five of the most frequently undertaken procedures are discussed in appropriate depth by authors who obviously have wide experience of the techniques they are describing. These vary from straightforward ones such as basic cardiac life support with which all doctors should be familiar, to others which fall into more specialised areas such as peritoneal dialysis.

In general, all the procedures are well described and the illustrations are clear and to the point. Included in each chapter are sections outlining the indications for the procedure as well as details of the contra-indications, complications, etc.

Mr Scott does not suggest that merely by reading the book one can become adept at a procedure. However, this book will provide a great deal of help for young doctors who, in an emergency situation, may be faced with having to attempt an invasive, investigative/therapeutic procedure with which they are not entirely familiar.

Inevitably, people will regret the absence of descriptions of certain procedures and, as someone who works in emergency medicine, I should have liked to have seen sections on such things as intraosseous infusions, cut-downs, regional nerve blocks, diagnostic peritoneal lavage, etc. Unfortunately, however, there is no doubt that to be completely comprehensive Mr Scott would have needed to produce a book three times the size of the one which is presently available.

Mr Scott has made a very good selection and his book can be strongly recommended for all junior hospital doctors and many general practitioners. Certainly my copy has already been borrowed by members of the junior staff who have commended the accessibility of the information and its usefulness.

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## Minimal access surgery

**Minimal access general surgery**, D Rosin, ed. pp 250, illustrated. Radcliffe Medical Press, Oxford, 1994. £45.00, hardback

This important book brings together contributions from eminent surgeons in England, Europe and the USA to produce a state of the art textbook for minimal access general surgery.

Each chapter is written by an established authority and deals with a different laparoscopic procedure. Although each contribution stands on its own, when taken together a rounded view of the subject is obtained. Laparoscopic appendicectomy is described in detail in two separate contributions but there is surprisingly little repetition in the book as a whole. It would have been interesting to have a longer section on laparoscopic colonic surgery and a chapter on the current state of instrumentation and its proposed development would be useful.

The exciting historical review and the chapter on laparoscopic hernia repair are perhaps the high spots of this comprehensive volume which is a cornerstone for those with an interest in this rapidly expanding specialty.

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## Molecular biology of digestive disease

**Molecular biology of digestive disease**, P Quirke, ed. pp 128, illustrated. British Medical Journal, London, 1994. £12.95, paperback. ISBN 07279 0827 8

Molecular technology has expanded the horizons of all parts of medical practice in an extraordinary way during the 1980s and the revolution will continue. Gastroenterology has not been spared from these advances although clinical practice has been little affected so far. This is about to change and the purpose of this book is to acquaint clinical gastroenterologists with the science of molecular biology in relation to potential areas of gastroenterological interest. Dr Quirke and his authors, largely derived from Leeds, have concentrated on oncology, infection and genetics but Professor Williamson contributes a short piece on gene therapy at the end.

Does the book succeed in fulfilling its aims? I am not sure, but at least there are some useful contributions which should be of great help to a clinician trying hard to understand what all the new science is about. The chapter by Foster and Thomas on the hepatitis B virus and how mutants arise, and that on colorectal neoplasia by Scott and Quirke are excellent. Other chapters are uneven – either providing too much detail or being rather facile to the point of 'talking down' to the reader or, worse still, reading as if it were written for publication in a Sunday newspaper.

The major problem we all have with molecular biology is its language and concepts. To overcome this, a glossary of terms is provided and this is outstandingly good. My only comment would be that this should have introduced the book as a chapter on the techniques rather than just brief definitions.

To sum up, this book is well worth reading by anyone who is struggling to understand the contributions that molecular science is making to clinical gastroenterology. The best chapter will stimulate and inform such readers. Its brevity and cheapness are additional attributes.

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## Neurological emergencies

**Neurological emergencies**, RAC Hughes, ed. pp viii + 359, illustrated. British Medical Journal, London, 1994. £19.95, paperback

*Neurological emergencies* is a compilation of 13 invited but peer reviewed articles that appeared in the *Journal of Neurology, Neurosurgery, and Psychiatry* in 1993. The first 12 topics cover the range of acute neurology: acute visual failure, cerebral infection, coma, stroke, tonic-clonic status epilepticus and neuromuscular respiratory paralysis are dealt with by neurologists; cord compression, subarachnoid haemorrhage, head injury and raised intracranial pressure by neurosurgeons, and acute confusional states and behavioural disturbances by psychiatrists. The final chapter, some would argue appropriately for a book on neurological emergencies, summarises the diagnosis of brainstem death.

Neurological emergencies are usually managed initially by non-neurologists and neurology is the major speciality where admitting general medical staff tend to feel least confident. This makes particularly welcome a book that gives guidance on the diagnosis and management of these common emergencies. Some chapters are better than others at giving appropriate and clear guidelines: the chapter on tonic-clonic status, for instance, goes through management step-by-step with strong recommendations and details, including drug doses. Contributions

from both sides of the Atlantic bring out some interesting treatment differences. The American authors advocate high-dose methyl prednisolone for patients with acute spinal trauma and intravenous heparin for small or moderate-sized ischaemic strokes, neither are routine practice in the UK.

Each chapter ends with a summary of recommendations to serve as an *aide-memoire* and a full set of up-to-date references. This book should be read by those who decide initial management of neurological emergencies; it is not a book to be carried 'on take' but the summary boxes could usefully be photocopied, annotated and stuck into a notebook in a white coat pocket.

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## Ophthalmology

**Ophthalmology**, 2nd edn, HB Chawla. pp viii + 354, illustrated. Churchill Livingstone, London, 1994. £14.95, paperback. ISBN 4430 47669

As a basic introductory text to ophthalmology, the second edition of this popular book is difficult to equal. This is not because of its comprehensiveness and erudition, which to be pedantic is less than perfect (although usually adequate) in a few areas, but because of its unique style, wit and eminent readability.

The author's style is fluent and prosaic and the text abounds with helpful, as well as

entertaining, metaphors and similes. He employs the principle of 'complexity is but simplicity multiplied' to great effect resulting in clear and concise explanations and effortlessly avoids laborious or verbose descriptions.

The book is up-to-date and covers the important areas of recent development, a significant feature in such a rapidly changing speciality. The order of the chapters and subject matter is somewhat idiosyncratic, consisting of a mixture based sometimes on differential diagnoses, sometimes anatomical classification and sometimes specific diseases. The section on pupillary reflexes and their interpretation is not clear and poorly illustrated, and many ophthalmologists would take issue with the reliability of digital assessment of intraocular pressure, which he supports.

However, the only criticisms of this book are minor ones, and it would be inappropriate to detract from the overall appeal and usefulness of this exceptionally delightful and painless introduction to ophthalmology.

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## Pain and childbirth

**Pain and its relief in childbirth**, G Chamberlain, A Wraight, P Steer, eds. pp 154, illustrated. Churchill Livingstone, London, 1993. £55.00, hardback. ISBN 0443 04658 1

This book describes the results of a survey, conducted by the National Birthday Trust, of pain during childbirth and its relief. The survey is comprehensive, covering not only all women delivering during a week in June 1990 (10 000 women) but also their midwives, all medical attendants, partners, neonatal consequences and a follow-up survey at six weeks. As such it gives much information about the availability of different analgesic techniques, their efficacy and consequences.

This information is reasonably easily extracted from the text although many data are presented as both tables and figures which are not always easy to interpret. The inclusion of numerous anecdotal comments both improves readability and personalises the test. These are all from mothers and their partners; some comment reflecting staff attitudes would be of interest.

The findings emphasise the importance to women of feeling in control during labour and of the value of education and communication in achieving this. Whilst most women are happy with their analgesia, problems were identified with TENS, pethidine, the limited availability of epidurals, and analgesia for perineal repair. Conclusions and recommendations are succinctly present in a separate chapter.

This book is of value to those who plan or organise obstetric analgesic services. It should be made available to all those who provide such services. Publication of the summary as a separate booklet would aid the further dissemination of the findings of the survey.

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## Books received

**ABC of clinical genetics**, 2nd edn, HM Kingston, pp 71, illustrated. British Medical Journal, London, 1994. £13.95, paperback

**Assisted ventilation**, J Moxham, J Goldstone (eds), pp 103, illustrated. British Medical Journal, London, 1994. £12.95, paperback.

**Capnography**, D O'Flaherty, pp 108, illustrated. British Medical Journal, London, 1994. £16.95, paperback.

**Contributions to obstetrics and gynaecology**, vol 3, SS Ratnam, DK Sen, N Soon-Chye, S Arulkumaran, pp 230, illustrated. Churchill Livingstone, London, 1994. £60.00, paperback.

**Dermatology**, JD Wilkinson, S Shaw, DA Fenton, pp 158, illustrated. Churchill Livingstone, London, 1994. £8.95, paperback.

**Diabetes in Europe**, R Williams, L Papoz, J Fuller, eds, pp 215, illustrated. John Libbey, London, 1994. £36.00, hardback.

**Hunter's diseases of occupations**, 8th edn, PAB Raffle, PH Adams, PJ Baxter, WR Lee, eds, pp 744, illustrated. Edward Arnold, London, 1994. £145.00, hardback.

**Key topics in accident and emergency medicine**, PG Howarth, RJ Evans, pp 320. Bios Scientific, Oxford, 1994. £20.00, paperback.

**Key topics in paediatrics**, AEM Davies, AL Billson, HR Jenkins, pp 329. Bios, Oxford, 1994. £22.00, paperback.

**Managing the knowledge base of health-care. Report of a seminar**, pp 65, illustrated. British Library Report, 1993.

**MCQs in basic science - ophthalmology**, J Ferris, pp 347, illustrated. British Medical Journal, London, 1994. £22.95, paperback.

**Medicine in the making of modern Britain 1700-1920**, C Lawrence, pp 91. Routledge, London, 1994. £6.99, paperback.

**No easy choices - the difficult priorities of healthcare. A report by the Health Care and Medical Priorities Commission**. pp 133. Swedish Government Official Reports, 1993. No price given, paperback.

**Ophthalmology**, 2nd edn, H Bryson Chawla, pp 354, illustrated. Churchill Livingstone, London, 1994. £14.95, paperback.

**100 Paediatric picture tests**, AP Winrow, M Gatzoulis, G Supramaniam, pp 200, illustrated. Churchill Livingstone, London, 1994. £16.95, paperback.

**Pulse oximetry**, JTB Moyle, pp 134, illustrated. British Medical Journal, London, 1994. £16.95, paperback.

**Resuscitation: key data**, MJA Parr, TM Craft, pp 78, illustrated. Bios Scientific, Oxford, 1994. £10.00, paperback.

**Problems with patients: managing complicated transactions**, K Norton, S Smith, pp 174, illustrated. Cambridge University Press, Cambridge, 1994. £14.95, paperback.

**Stress survival guide**, C Grainger, pp 50, illustrated. British Medical Journal, London, 1994. £6.95, paperback.

**Textbook of hypertension**, JB Swales, ed, pp 1327, illustrated. Blackwell Scientific, London, 1994. £129.50, hardback.