The History of Anaesthesia

For 25 years Anaesthesia, Intensive Care and Perioperative Medicine A-Z has provided a comprehensive resource of the relevant aspects of pharmacology, physiology, anatomy, physics, statistics, medicine, surgery, general anaesthetic practice, intensive care, equipment, and the history of anaesthesia and intensive care. Originally prepared as essential reading for candidates for the Fellowship of the Royal College of Anaesthetists and similar exams, this fully updated edition will also prove as invaluable as ever for all anaesthetists and critical care physicians, as well as operating department practitioners and specialist nurses. The alphabetical arrangement with extensive cross-referencing ensures a full understanding of topics. The succinct and clear text and diagrams make for easy quick reference. The exam preparation checklist is ordered by key topics to facilitate effective revision. The contents are easily accessible with the accompanying ebook. There has been a substantial addition of new entries as well as revision of existing ones. This acknowledges the breadth of information needed to satisfy the range of activities performed by anaesthetic, intensive care, nursing and other colleagues, and also reflects the ever-changing field in which they all work. The consolidation of the role of anaesthetists as ‘perioperative physicians’ is reflected in additional entries of particular relevance and also by the enhanced title of the book. The structured ‘revision checklist’ of entries which is particularly useful to those preparing for examinations has been further developed for this edition.

Practical Procedures in Anaesthesia and Critical Care
This book describes the state of the art concerning some of the most hotly debated topics in anesthesia and intensive care and is at the same time intended to serve as a useful practical guide that will assist in improving outcomes. The topics covered are wide ranging and include, for example, use of the prone position in ARDS, the role of therapeutic hypothermia in the critically ill, the value of immunoglobulins in the treatment of severe sepsis, drug management of septic shock, new strategies for prevention of ventilator-associated pneumonia, non-invasive ventilation outside of the ICU, management of postoperative bleeding and prognostic factors in cardiac arrest. Written by recognized experts in the field, the book will offer a comprehensive and easy to understand update for specialists and students of anesthesia and intensive care.

Recent Advances in Anaesthesia and Intensive Care:

This is a highly practical guide to the procedures and techniques commonly encountered in anaesthesia and critical care medicine. Step-by-step, detailed instructions, a simple layout and full colour illustrations and photos show the anaesthetist how to carry out procedures safely and competently.

Key Facts in Anaesthesia and Intensive Care

Highly commended in the Anaesthesia category of the 2014 BMA Medical Books awards! From reviews: "Altogether, this textbook offers an excellent detailed overview of basic principles, mechanics, and physics of technical equipment used in anaesthesia and intensive care medicine." Critical Care, Feb 2014 "This book is excellent. I have read a number of equipment related books and found most of them stale and filled with minutia. Instead this fresh look at equipment really makes it interesting to read and keeps your attention. With sections that give quick answers to how things work, advantages and disadvantages, in an easy to read format you get exactly what you want to know RIGHT away. In addition the full color photos and well done charts really add to the depth of this book. It is my opinion this may be one of the best books on the market for quick review of anesthesia and critical care equipment. Let's be honest, no one is sitting at home reading equipment books for pleasure so when you NEED the information you likely need it right away. This book does exactly that; easy format, clear and concise information with everything you need to know about a piece of equipment easy to find and within a page or two. I would recommend this to all trainees in anaesthesia but also for those providers who like to be prepared in the operating room to deal with any issue that might arise." www.nurse-anesthesia.org, 8 Feb 2014 Equipment in Anaesthesia and Critical Care specifically follows the syllabus published by the Royal College of Anaesthetists and is the perfect guide for candidates studying for their FRCA qualifications. The book is beautifully illustrated and features high quality colour photographs throughout. The text is engaging and comprehensive, relating each piece of equipment back to its basic physics, mechanics and clinical context. The clear, concise and standardised format means that information is easy to access and perfect for revision. Every major piece of equipment is featured alongside colour photos, reproducible line diagrams, and information on its uses, how it works, pros and cons, and safety considerations. The authors, all senior registrars in anaesthesia and critical care, appreciate exactly what candidates need to know to pass the FRCA exam. They have identified and tackled difficult subjects which are often glossed over or omitted in other resources, to produce a book that is comprehensive, engaging and to the point. In addition to FRCA candidates, the book is also suitable for operating department practitioners, critical care staff, and physicians with an interest in anaesthesia or critical care.

Applied Anatomy for Anaesthesia and Intensive Care

Now fully updated, this clear, readable text is the essential guide all trainee anaesthetists need for revision and practice.
Essentials of Equipment in Anaesthesia, Critical Care, and Peri-Operative Medicine

Fully updated, with additional contributions from experts in the field, to include all new drugs available to the anaesthetists.

Anaesthesia and Intensive Care A-Z E-Book

A one-stop reference for all medical professionals who encounter ethicolegal problems during their management of patients.

Handbook of Communication in Anaesthesia & Critical Care

Saving lives through organ transplantation has become increasingly possible thanks to advances in research and care. Today, the complex field of transplantation continues to develop rapidly, fuelled by demographic change and further evolutions in scientific understanding. The Oxford Textbook of Transplant Anaesthesia and Critical Care has been written and edited by pioneers in the field of organ transplantation with an international team of authors, in order to equip anaesthetists and intensivists with the knowledge and training necessary to provide high quality and evidence-based care. The text addresses fundamentals aspects of scientific knowledge, care of the donor patient, transplant ethics and special considerations. Dedicated sections address each of the major organs; kidney, pancreas, liver, heart and lung, intestinal and multivisceral. Within each organ-based section, expert authors explore underlying disease, planning for transplantation, specialized procedures, perioperative and critical care management as well as post-transplant considerations. Focus points for future developments in transplant immunology are also set out, inspiring current practitioners to engage with current clinical research and help participate in the further advancement of the science of transplantation. The print edition of the Oxford Textbook of Transplant Anaesthesia and Critical Care comes with a year's access to the online version on Oxford Medicine Online. By activating your unique access code, you can read and annotate the full text online, follow links from the references to primary research materials, and view, enlarge and download all the figures and tables.

Critical Care Medicine

A group of expert contributors have provided perspectives on areas of common concern to the anaesthetist, intensivist, and nursing staff, giving both the clinical and theoretical perspective. By understanding the underlying principles, the reader will be able to create their own framework from which to reach a decision. It is anticipated that the arguments given may challenge the reader's personal ethical stance. Those who are new to ethics will find the examples given help them to see how these underlying principles are put into everyday practice. Areas covered include consent, patient confidentiality, fitness to practice, whistleblowing on colleagues, clinical research, maternal-foetal conflicts, children, intensive care, palliative care, withdrawing and withholding therapy, euthanasia, infectious disease control.

Monitoring in Anesthesia and Critical Care

Concise anatomical text and descriptions of procedures are supported by high-quality, anatomical illustrations linked to clinical images.

Basics

In modern medicine the most functional methodologies are taking an increasing importance in spreading informations, rendering it credible while at the same time using reliable data to focus interaction between basic science and clinical medicine. Critical care medicine
embraces these needs and more than any other discipline thrives and develops thanks to interdisciplinary contact. APICE 2004 has been organised to provide precise answers to these issues. In particular, considerable emphasis has been given to the reviews regarding the most important aspects - or the most significant clinical developments - in the sectors involving variety of functions: neurological, respiratory and cardiovascular, gastrointestinal, metabolism and perfusion; trauma infections, sepsis and organ failure; perioperative medicine and life support techniques; information technology dedicated to clinical medicine, but also as a means of information and education. The contributing authors are all part of leading research groups at the international level in the various sectors presented in the volume.

Recent Advances in Anaesthesia and Intensive Care: Volume 23

Recent Advances in Anaesthesia and Intensive Care presents topics for anaesthetists from some of the world's leading authorities in their subjects.

Recent Advances in Anaesthesia and Intensive Care: Volume 22

This volume, the first of a new series, deals with the basic aspects of anaesthesia, intensive care (IC) and pain in neonates and children. Internationally recognised guidelines aimed at standardising the most important procedures, such as the treatment of hypothermia, are also discussed. The book includes contributions from anesthesiologists from The Hospital for Sick Children, which is affiliated with the University of Toronto and is Canada's most research-intensive hospital.

Pharmacology for Anaesthesia and Intensive Care

Building on the success of previous editions, Anaesthesia and Intensive Care A-Z (Fifth edition) remains the most comprehensive single volume source of relevant aspects of pharmacology, physiology, anatomy, physics, statistics, medicine, surgery, general anaesthetic practice, intensive care, equipment, and the history of anaesthesia and intensive care. Originally prepared as essential reading for candidates for the Fellowship of the Royal College of Anaesthetists and similar exams, this fully updated edition will also prove as invaluable as ever for all anaesthetists and critical care physicians, as well as operating department practitioners and specialist nurses. All entries have been carefully reviewed and new ones added to reflect the latest advances and the evolving field breadth. This edition also includes a structured checklist of entries, ordered by curriculum core topic area, as an additional new aid for those planning their revision. Building on the success of previous editions, Anaesthesia and Intensive Care A-Z (Fifth edition) remains the most comprehensive single volume source of relevant aspects of pharmacology, physiology, anatomy, physics, statistics, medicine, surgery, general anaesthetic practice, intensive care, equipment, and the history of anaesthesia and intensive care. Originally prepared as essential reading for candidates for the Fellowship of the Royal College of Anaesthetists and similar exams, this fully updated edition will also prove as invaluable as ever for all anaesthetists and critical care physicians, as well as operating department practitioners and specialist nurses. All entries have been carefully reviewed and new ones added to reflect the latest advances and the evolving field breadth. This edition includes a structured checklist of entries, ordered by curriculum core topic area, as an additional new aid for those planning their revision. Additional line diagrams further enhance topic descriptions.

Practical Trends in Anesthesia and Intensive Care 2019

Statistics is traditionally perceived to be a difficult topic, however, it is essential for the trainee to develop a basic understanding of its fundamental principles. This book
designed to help the reader systematically learn the basics, using real examples from anaesthetic and intensive care literature to illustrate the principles discussed and relate them to practice. * enables the reader to interpret statistical methods used in journal articles, understand and use statistics in research projects (and pass examinations!) * offers clear advice on the appropriate use of statistics in anaesthesia and intensive care * explains in simple terms the various statistical methods

**Radiology for Anaesthesia and Intensive Care**

**Pharmacology for Anaesthesia and Intensive Care**

The latest volume in this very successful and long-established series to present a series of cutting-edge topics for anaesthetists.

**Anaesthesia and Intensive Care**

This pocket-sized book is an essential companion for all anaesthetists, intensive care specialists, intensive care nurses or any other healthcare professional working in the perioperative or intensive care environment. It provides a readily available source of information and guidance, mostly in the form of easy-to-follow tables, line drawings and flow diagrams, on many aspects of anaesthesia and intensive care, including normal values for common biochemical and haematological tests (and their interpretation), resuscitation protocols, equipment checklists, paediatric information and dosage differences, ventilation, sedation and analgesia and classification systems such as the APACHE II and Glasgow Coma Scales.

**Anaesthesia and Intensive Care A-Z - Print & E-Book**

This book offers an essential guide to managing the most heatedly debated topics of practical interest in anesthesia and intensive care. It reviews the state of the art in issues concerning both intensive care medicine and anesthesia, such as antibiotic therapy in multidrug resistance infection, acute hepatic failure, weaning, ECMO, difficult airway in pediatric patients, goal directed fluid therapy, preoperative anesthesia evaluation and delirium. Written by leading experts and including updated references, it provides a comprehensive, easy-to-follow guide to anesthesia and intensive care. The book clearly explains complex topics, offering practicing clinicians valuable insights into the latest recommendations and evidence in the field while, at the same time, making it a vital resource for students new to the fields of anesthesia and intensive care.

**Anaesthesia and Intensive Care A-Z**

This book provides a comprehensive overview of current standards of anesthesia and intensive care in neonates and children, with a view to promoting standardization in clinical practice. The first part of the book, devoted to issues in intensive care, opens by considering scoring systems for the assessment of sick children. The diagnosis, prevention, and management of ventilator-associated pneumonia are then discussed, and the roles of high-frequency oscillatory ventilation and noninvasive respiratory support are reviewed. Further chapters address procedural sedation and analgesia in children, the progress toward ‘open’ ICUs with liberal visiting policies, and advances in long-term home mechanical ventilation. In the second part of the book, a range of important topics in anesthesia and perioperative medicine are discussed. After a review of safety issues, current trends in pediatric regional and locoregional anesthesia are described and a synopsis is provided on current knowledge regarding the use of central blocks in infants and children. Subsequent chapters are devoted to awareness monitoring, single-lung ventilation techniques, anesthesia in the context of severe prematurity, and emergence delirium. Pediatric Anesthesia, Intensive Care
and Pain: Standardization in Clinical Practice will be an extremely useful source of information for both novices and more experienced practitioners in the field.

**Pharmacology for Anaesthesia and Intensive Care**

*Recent Advances in Anaesthesia and Intensive Care*, volume 24 is the latest book in this very successful and long-established series (originally entitled *Recent Advances in Anaesthesia and Analgesia*) to present a collection of cutting-edge topics for anaesthetists. It has been compiled by some of the world's leading authorities in their subjects and builds on the successful formula of the previous volumes. As the title suggests, these latest volumes have increased input from the field of intensive care, including a particularly topical chapter on intensive care outreach. Other chapters include deaths under anaesthesia, use of simulators in anaesthesia, and transoesophageal echocardiography. Trainee and practising anaesthetists and intensivists at all levels will find this book extremely relevant in their daily clinical practice.

**Ethics in Anaesthesia and Intensive Care**

Revision of: *Drugs in anaesthesia and intensive care / Martin Sasada and Susan Smith. 3rd ed. 2003.*

**Maths, Physics and Clinical Measurement for Anaesthesia and Intensive Care**

This book describes the state of the art concerning some of the most hotly debated topics in anesthesia and intensive care and is at the same time intended to serve as a useful practical guide that will assist in improving outcomes. The topics covered are wide ranging and include, for example, the use of antibiotics during renal replacement therapy, the role of video laryngoscopy, management of mechanical ventilation in the operating room, use of high-frequency ventilation in patients with respiratory failure, management of the potentially brain dead patient, perioperative delirium, cardiac protection during general anesthesia, single-lung ventilation, and use of lung imaging in critically ill patients. Written by recognized experts in the field, the book will offer a comprehensive and easy to understand update for specialists and students of anesthesia and intensive care.

**Legal and Ethical Aspects of Anaesthesia, Critical Care and Perioperative Medicine**

* Covers contemporary issues including pain management and regional anaesthesia *
* Includes scenarios concerning new drugs, new equipment and new life support techniques *
* Provides a useful source of real cases with information on management options and outcomes *
* Illustrative case scenarios to emphasize the safe, modern approach to a wide variety of problems in the field of paediatric anaesthesia and intensive care *
* Topics reflecting the scope of current practice with questions and answers *
* Key references for further reading

**Anaphylactic Reactions in Anesthesia and Intensive Care**

Concise, highly illustrated text covers the key aspects of all imaging modalities of relevance to anaesthetists and intensivists.

**Anaesthesia and Intensive Care A-Z E-Book**

*For this new edition, the authors have revised existing text and provided additional entries pertinent to both anaesthesia and intensive care. In a single volume they have provided a comprehensive encyclopaedia of anaesthesia and intensive care for the trainee and trainer,*
whether of surgical, medical, anaesthetic, operating theatre or nursing background.

**Pharmacology for Anaesthesia and Intensive Care**

*Essentials of Equipment in Anaesthesia, Critical Care and Peri-Operative Medicine* is a highly practical textbook for trainees in anaesthesia and an invaluable guide for all those who work with anaesthetic equipment, including anaesthetic and intensive care nurses and operating department practitioners. The superbly organized and easy-to-read format of the book has been retained from previous editions. The text has been comprehensively updated and more focused on the FRCA with the addition of exam tips and new questions. A new chapter addresses the topical and ever expanding field of 'Point of Care Testing' in anaesthesia and intensive care. Clear colour photographs and illustrations as well as over 100 interactive self-assessment OSCE questions complete this concise account of anaesthetic equipment and its use in clinical settings.

**Anaesthesia and Intensive Care in Neonates and Children**

Fifth edition of a market-leading pharmacology book for trainees, doctors and nurses working in operating theatres and critical care units.

**Statistical Methods for Anaesthesia and Intensive Care**

The anesthesia and intensive care in infants and children have assumed positions of primary importance in contemporary medicine. In these delicate sectors of medicine, clinical research activities must be continually supported by interdisciplinary collaborations. Neonatal and pediatric intensive care requires that all involved physicians, including the surgeon and anesthesiologist, be willing to work together as a team. However, coordination of the various pathophysiological and clinical aspects of neonatal and pediatric critical medicine is highly complex. A complete and current review of the anaesthesia and intensive care of infants and children must include discussions of morbidity rates, so as to guide the clinicians in choosing the diagnostic approach, as well as of monitoring techniques appropriate to support the therapeutic decision. Recent progress in intensive care medicine for infants and children has been significant.

**Anaesthesia, Pain, Intensive Care and Emergency Medicine - A.P.I.C.E.**

Innovation, training and research are the pillars that support a process deriving from basic science and multi-professional/multidisciplinary interventions. The APICE 2012 yearbook deals with several innovations for optimising prevention and management measures for the critically ill, by integrating diagnostic procedures with pharmacological and technological options. Peri- and postoperative managements as well as treatment of surgical infections and of pain, new and old artificial ventilation strategies are some of the most relevant topics the volume deal with in this new edition. The volume focuses also on the improvement standards and quality of care; on the expanding concept of clinical governance and professionalism and on the importance of ethical principles for establishing a process of patient-centered and evidence-based care.

**Practical Issues Updates in Anesthesia and Intensive Care**

Covers essential information on maths, physics and clinical measurement for anaesthesia and critical care.

**Pediatric Anesthesia, Intensive Care and Pain: Standardization in Clinical Practice**

This book offers anaesthetists, intensivists, and other critical care staff ways of improving
communication in everyday clinical practice, and provides practical communication tools that can be used in difficult or unfamiliar circumstances. It demonstrates how communication can improve patient care and safety with numerous practical examples.

Drugs in Anaesthesia and Intensive Care

The third edition of this market leading book has been thoroughly updated and expanded, with additional contributions from experts in the field, to include all new drugs available to the anaesthetist and intensive care specialist. Basic pharmacological principles, vital to understanding how individual drugs actually have their effects, are dealt with methodically and with many highly annotated diagrams and tables. With hospital infections becoming increasingly prevalent, the important section on antibiotics has been further expanded. With the third edition, this well established title continues to provide its readers with the most concise yet comprehensive coverage of all aspects of pharmacology. An ideal aid to study and practice for junior and trainee anaesthetists, critical care nurses and all physicians and healthcare professionals working in theatre, accident and emergency departments or intensive care units.

Equipment in Anaesthesia and Critical Care

This book provides anaesthetists, intensivists and other critical care staff with a comprehensive resource that offers ways of improving communication in everyday clinical practice, and provides practical communication tools that can be used in difficult or unfamiliar circumstances. It demonstrates how communication can be structured to improve patient care and safety with numerous practical examples and vignettes illustrating how the concepts discussed can be integrated into clinical practice, and presents ideas in a way that enhances clinical interactions with patients and colleagues and facilitate the teaching of trainees. Section 1 contains theoretical and research-based material on which the communication models and concepts used in the book are based. Section 2 details examples of how communication skills can be integrated into clinical practice. Section 3 addresses special situations including: obstetrics; paediatrics; needle phobia; how to break bad news; and the Intensive Care Unit. Section 4 provides examples of other interpersonal and professional communication skills relevant to the acute care clinician such as, 'Talking to surgeons' and 'Team communication'. Finally, Section 5 builds on many of the concepts used earlier in the book and briefly presents how the innovative use of advanced 'hypnotic' communication skills can supplement and enhance anaesthesia and critical care. Edited by practising anaesthetists with particular expertise in teaching communication, and with contributions from expert clinicians based in North America, Europe and Australasia, this book will stimulate and complement the development of comprehensive resources for communication skills teaching in anaesthesia and other related professional groups.

More Case Presentations in Paediatric Anaesthesia and Intensive Care

Anaesthesia, Pharmacology, Intensive Care and Emergency A.P.I.C.E.

This authoritative reference published under the auspices of the American Society of Critical Care Anesthesiologists (ASCCA) is now in its Second Edition. More than 100 internationally recognized experts present state-of-the-art strategies for successful, cost-effective perioperative care and management of acutely ill patients. This thoroughly revised edition features many distinguished new contributors from anesthesiology, critical care medicine, internal medicine, surgery, and pediatrics. Timely new chapters cover medical informatics, evidence-based medicine, human genomics, research in critical care medicine, and imaging in the ICU. Chapters on acute respiratory distress syndrome, sepsis, and other diseases have been rewritten to reflect recent technological and therapeutic breakthroughs.
Oxford Textbook of Transplant Anaesthesia and Critical Care

This book is a comprehensive guide to the monitoring of different organ systems in anaesthetics and intensive care. Divided into nine sections, the text begins with an introduction to the evolution of monitoring equipment, computerised reporting, and minimum standards. The following sections cover monitoring techniques for different systems of the body - cardiovascular, respiratory, central and peripheral nervous, musculoskeletal, metabolic, and coagulation. The final chapters discuss the monitoring of pain and related topics such as ventilator waveforms, foetal monitoring, and future technologies. The book also features discussion on research-based monitoring ideas for the future, including quantifying pain, sedation, and maternal-foetal safety management. Key points: Comprehensive guide to the monitoring of organ systems in anaesthetics and intensive care. In-depth coverage of many different systems of the body. Includes discussion on pain monitoring and future technologies. Highly illustrated with clinical photographs and diagrams.

Evidence-based Anaesthesia and Intensive Care

Anaphylactic Reactions in Anesthesia and Intensive Care presents a critical review of the mechanisms of anaphylaxis. It discusses the effects of anaphylaxis, reactions of allergy, and immunization of allergy. It also addresses the mediators of anaphylactic reactions and the systems that can generate immediate hypersensitivity reactions. Some of the topics covered in the book are the common anaphylactic and anaphylactoid reactions observed by anesthesiologist; preoperative considerations in the patient; treatment to anaphylactic reactions; pharmacologic therapy for anaphylaxis; management of acute anaphylaxis; and managing sequela in the recovery room and intensive care unit. The properties of an antigen and the synthesis of antibodies are discussed. An in-depth analysis of the classes of immunoglobulin is provided. The classification of immunologic reactions and physiology of cardiovascular collapse is also presented. A chapter is devoted to the description of mast cells and basophils. The book can provide useful information to anesthesiologists, doctors, students, and researchers.

Topical Issues in Anesthesia and Intensive Care

A comprehensive 2006 volume on the theories and applications of evidence-based anaesthesia and critical care. Coming from the internationally renowned Cochrane Collaboration - the global force in evidence-based medicine - this promises to be an authoritative guide for anaesthetists. The Cochrane Anaesthesia Review Group is one of the largest in the collaboration and, as coordinators of the group, the editors of this book have gathered a formidable set of contributions from around the world. The first half of the book provides an introduction to evidence-based medicine and applies the principles to anaesthesia and critical care, including critical appraisal, meta-analysis, interpreting results and controlling bias. The second half shows how to practise this in preoperative evaluation, regional and general anaesthesia, postoperative pain therapy, critical care and acute medicine. Medical professionals working in anaesthesia and surrounding specialties worldwide will find this book immensely useful.

Handbook of Communication in Anaesthesia & Critical Care

Building on the success of previous editions, Anaesthesia and Intensive Care A-Z (Fifth edition) remains the most comprehensive single volume source of relevant aspects of pharmacology, physiology, anatomy, physics, statistics, medicine, surgery, general anaesthetic practice, intensive care, equipment, and the history of anaesthesia and intensive care. Originally prepared as essential reading for candidates for the Fellowship of the Royal College of Anaesthetists and similar exams, this fully updated edition will also prove as invaluable as ever for all anaesthetists and critical care physicians, as well as operating department practitioners and specialist nurses. All entries have been carefully reviewed and
new ones added to reflect the latest advances and the evolving field breadth. This edition includes a structured checklist of entries, ordered by curriculum core topic area, as an additional new aid for those planning their revision. Also for the first time, this fifth edition now comes with complementary access to the complete electronic version of the book. It is now easy to use the content just as you need it, anytime, anywhere - whether online or offline, on your laptop, tablet or mobile device. Succinct, clear text and diagrams make quick reference easy. Entries arranged alphabetically, with extensive cross-referencing to ensure full understanding of topics. Thoroughly revised throughout to reflect the latest advances in the field. New exam preparation checklist ordered by core topics, for more effective use of revision time and enhanced confidence. More flexible and practical than ever before, with anytime, anywhere electronic access. Your eBook is much more than just 'pictures of pages': Fully searchable, with main category entries prioritised in search returns. Customise your page views. Highlight and make searchable notes. Print and copy-and-paste with bibliographic support. Download to multiple devices, including desktop and mobile.

Additional line diagrams further enhance topic descriptions. Contains a wide expansion of new entries and revisions of existing ones to reflect ongoing advances in the field. New exam preparation checklist ordered by core topics, for more effective use of revision time and enhanced confidence. Comes with complete eBook version - more flexible and practical than ever before, with anytime, anywhere electronic access. Your eBook is much more than just 'pictures of pages': Fully searchable, with main category entries prioritised in search returns. Customise your page views. Highlight and make searchable notes. Print and copy-and-paste with bibliographic support. Download to multiple devices, including desktop and mobile.

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