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Anaesthesia and Intensive Care A-Z - Print & E-Book An Encyclopedia of Principles and Practice Elsevier Health Sciences *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 **Essentials of Anaesthetic Equipment E-Book** Elsevier Health Sciences Prepared by authors based in the UK, this highly practical, illustrated guide continues to provide an up-to-date introduction to anaesthetic equipment and its use in clinical practice. An invaluable resource for all those who work with anaesthetic equipment, including anaesthetists studying for the FRCA examinations, nurses and operating department practitioners, this new edition has been completely updated to reflect current equipment and training requirements. Lavishly illustrated throughout with colour photos and clearly-drawn line illustrations, *Essentials of Anaesthetic Equipment*, third edition, retains the superbly organized and easy-to-read format that has made the previous two editions such a success. The same portable size is retained for the new edition An ideal book for the busy trainee or practitioner to carry around the hospital and 'dip into' when the opportunity presents A selection of MCQs is included at the end of each chapter providing an opportunity for the reader to test their knowledge - an ideal aid to exam preparation Highly illustrated with colour photographs and diagrams throughout to aid recognition in the clinical environment and demonstrates essential points Standardised format used for each piece of equipment: components, mechanism of action, problems in practice and safety features Summary boxes in every chapter highlighting key points and safety considerations help the reader remember key information and breaks down the text into manageable chunks. Especially helpful when preparing for exams Equipment checklists include essential information that all users of anaesthetic equipment need to know The content for the new edition reflects more closely the current FRCA syllabus New section on latex allergy Illustrations of now-obsolete equipment replaced with the latest models

in use Discussion of bispectral monitoring now included Chapter on electrical safety expanded Chapter on sterilisation and cleaning added Rapid infusion devices discussed **Physics in Anaesthesia** Scion Pub Limited From reviews: "Its warm and familiar style of writing makes it accessible for all. Throughout each of the 29 chapters, there was a real feel that the authors knew what was needed of you... Many of the questions I spent hours flicking through appendices in other books for were clearly answered here.... There is a nice feel to this book. It is as if someone has sat down and really thought about each chapter. It feels more like your clever friend than a textbook. Current curriculums have been considered, as have common themes and questions... In conclusion, although I have always believed that examination topics, with all randomness and occasional obscurity, can and never will be fully covered by a solo text, this book comes close. It is an excellent core text for anyone needing to learn physics in anaesthesia." *European Journal of Anaesthesiology*, April 2014 "Overall, *Physics in Anaesthesia* succeeds in providing a concise and easy to read review text covering what has historically been a dry and difficult to present topic. The book is easy to understand and sufficiently covers most topics one would expect from such a book. It seems well suited for those studying for exams, but it can also serve as a good reference text for all levels of anesthesia providers." *Anesthesiology*, September 2013 "This is an excellent refreshing and practical text when compared with various older textbooks on physics for anesthesia.... The text is written in a concise, uncomplicated, and easily understood manner, and representative clinical scenarios are often used.... In my view, this is a superb teaching textbook on basic physics.... I would recommend this textbook to our Anesthesia Post-Graduate Program!" *Canadian Journal of Anesthesia* (2012) 59: 1161-1162 "...a refreshing change from the more traditional textbooks with their pages of derivations and small, bland, obscure figures..." *Technic: The Journal of Operating Department Practice*, May 2012 Volume Issue 3 "...this text provides a fantastic resource for those wishing to consolidate their learning... A major strength of this book is its clear writing style. The well organised text is supported by excellent diagrams and highlighted key terms. There are clear learning objectives at the beginning of each chapter, with a short summary and a multiple choice question test at the end... Overall, this is an excellent resource and essential revision tool." *Nursing Standard*, June 2012, 30:vol. 26 no. 41 "This is a book specifically for anesthesia professionals written by Anesthetists, Physicists and Perfusionists. After reading the book cover to cover I can say without reservation, it is most certainly the easiest book on physics I have ever read. The simple and intuitive layout, easy to understand diagrams, relevant objectives and the quizzes at the end of each chapter help me expand my understanding of topics I was already a master of. That is saying something. This book is not just a "must have" for students of anesthesia and any prospective anesthesia students looking to brush up before training but also for the working Nurse Anesthetists as a quick and easy to use reference." www.nurse-anesthesia.org, June 2012 *Physics in Anaesthesia* caters especially for those who consider themselves non-physicists. It covers the FRCA syllabus in an informative and accessible way from the very basics, and provides an important link between theory and practice. Worked examples highlight the relevance to clinical practice, and along with graphs and charts, make the basics of physics understandable not only to doctors, but also to operating department practitioners

and students. It does not assume that readers will have A level physics. Two different types of self-assessment questions at the end of each chapter will test understanding of the key concepts, while a summary section for each topic is ideal as a rapid refresher, highlighting any problem areas. **Ward's Anaesthetic Equipment E-Book** Elsevier Health Sciences First prize winner, Anesthesia Book Category, British Medical Association 2012 Medical Book Competition Provides a simple and comprehensive explanation of the function of anaesthetic equipment, ensuring its safe use in clinical practice Covers the relevant syllabus required by the FRCA and similar exams taken by trainee anaesthetists Clear line diagrams explain the working principles of each piece of equipment Chapter on local anaesthesia totally rewritten Chapter on error and man-machine interaction will be much more in depth New chapter on patient warming **SAQs for the Final FRCA** Cambridge University Press Final FRCA exam preparation book containing 9 complete 12-question SAQ papers with full model answers, plus practical exam preparation advice. **Pharmacology for Anaesthesia and Intensive Care** Cambridge University Press 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. **Basic Physics and Measurement in Anaesthesia Oxford Handbook of Anaesthesia** Oxford University Press The 'Oxford Handbook of Anaesthesia' continues to provide state of the art information on anaesthetic practice. The third edition has a new colour layout and includes new topics on risk, consent, organ donation, anaesthesia for the critically ill patient, and management of perioperative IV fluids. **Clinical Anaesthesia** John Wiley & Sons Clinical Anaesthesia Lecture Notes provides a comprehensive introduction to the modern principles and practices of anaesthesia for medical students, trainee doctors, anaesthetic nurses and other health professionals working with anaesthetists. This fifth edition has been fully updated to reflect changes in clinical practice, guidelines, equipment and drugs. Key features include: • A new chapter on the roles of the anaesthetist • Increased coverage of the peri-operative management of the overweight and obese patient, as well as an introduction to the fundamental aspects of paediatric anaesthesia • Coverage of recent developments within the specialty, including the rapidly growing recognition of the importance of non-technical skills (NTS), and the management of some of the most common peri-operative medical emergencies • Links to further online resources • A companion website at www.lecturenoteseries.com/anaesthesia featuring interactive true/false questions, SAQs, and a list of further reading and resources Full-colour diagrams, photographs, as well as learning objectives at the start of each chapter, support easy understanding of the knowledge and skills of anaesthesia, allowing

confident transfer of information into clinical practice. **Equipment in Anaesthesia and Critical Care A Complete Guide for the Frca** Scion Pub Limited 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 anesthesia 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. **The Final FRCA Structured Oral Examination A Complete Guide** CRC Press *The Final FRCA Structured Oral Examination* is the last step before earning the initials FRCA and becoming a Fellow of the Royal College of Anaesthetists. This comprehensive revision aid has been compiled by two talented authors who have been running a course on this subject for three years. Motivated to make the cases as close as possible to the exam, they have collected a vast database of questions from their trainees and the book reflects a variety of commonly asked themes. In addition, there are contributions from 11 consultants and registrars, who are all experts in their fields. The clear layout and easy to read style prepares students for the examination environment and focuses on the specific areas and responses examiners look for. The style of questions mimics the exam and there are added tutorials for ECG interpretation and radiology which will benefit trainees immensely in their preparation.

Anatomy for the FRCA Cambridge University Press This practical, comprehensive anatomy book arms FRCA candidates with detailed, robust anatomical knowledge via a question-based approach. **Fundamentals of Anaesthesia** Cambridge University Press The second edition of Fundamentals of Anaesthesia builds upon the success of the first edition, and encapsulates the modern practice of anaesthesia in a single volume. Written and edited by a team of expert contributors, it provides a comprehensive but easily readable account of all of the information required by the FRCA Primary examination candidate and has been expanded to include more detail on all topics and to include new topics now covered in the examination. As with the previous edition, presentation of information is clear and concise, with the use of lists, tables, summary boxes and line illustrations where necessary to highlight important information and aid the understanding of complex topics. Great care has been taken to ensure an unrivalled consistency of style and presentation throughout. **Basic Physiology for Anaesthetists** Cambridge University Press Packed with easily understood, up-to-date and clinically relevant material, this is the only physiology book junior anaesthetists will need. **The Doctor's Guide to Critical Appraisal** PasTest Ltd Offers a range of sample comparative journal extracts enabling Foundation Year doctors and MRCGP and MRCPsych candidates to practise their critical appraisal skills. This title includes extracts that cover the whole spectrum of critical appraisal, together with exercises for the reader to work through independently to improve their technique. **Drugs in Anaesthesia and Intensive Care** Oxford University Press Revision of: Drugs in anaesthesia and intensive care / Martin Sasada and Susan Smith. 3rd ed. 2003. **Pediatric Anesthesia The Final FRCA Short Answer Questions A Practical Study Guide** CRC Press This guide to the short answer question section of the final FRCA not only comprehensively covers the subject matter of the exam with past paper examples, it also guides trainees on the most effective manner in which to approach the questions. Chapters reflect the different topics contained within the examination, including pain medicine, ICM, paediatric anaesthesia and more. Every question from the past 6 1/2 years of examinations is addressed and the ideal style in which to answer an SAQ covered in depth. This guide will be gold dust to the candidate preparing for the final FRCA, providing all the answers as well as the best way to present them. It will save hours of research and preparation. **MCQs and EMQs in Surgery: A Bailey & Love Companion Guide** CRC Press With over 1000 questions, MCQs and EMQs in Surgery is the ideal self-assessment companion guide to Bailey & Love's Short Practice in Surgery. The book assists readers in their preparation for examinations and to test their knowledge of the principles and practice of surgery as outlined within Bailey & Love. Sub-divided into 13 subject-specific sections, both MCQs and EMQs provide a comprehensive coverage of the surgical curriculum as well as the core learning points as set out in Bailey & Love: Each section emphasises the importance of self-assessment within effective clinical examination and soundly based surgical principles, while taking into account the latest developments in surgical practice. MCQs and EMQs in Surgery is an excellent companion to Bailey & Love and provides a valuable revision tool for those studying for MRCS. **Smith and Aitkenhead's Textbook of Anaesthesia E-Book** Elsevier Health Sciences Textbook of Anaesthesia has become the book of choice for trainee anaesthetists beginning their career in the specialty. It is highly suitable for

part 1 of the Fellowship of the Royal College of Anaesthetists and similar examinations. It is also a practical guide for all anaesthetists and other health care professionals involved in the perioperative period. **Anaesthesia Illustrated Clinical Cases** CRC Press Containing 220 challenging clinical cases and illustrated with superb, high-quality images, this book covers a wide range of anaesthesia-related questions and answers from straightforward cases through to more challenging presentations. It is an invaluable text for anaesthesia professionals in practice and in training, both for those doctors preparing for higher examinations and for established physicians for their continuing professional development. Nurse anaesthetists, learning at an advanced level, will also benefit from these case discussions. **Physics, Pharmacology and Physiology for Anaesthetists Key Concepts for the FRCA** Cambridge University Press A quick reference to basic science for anaesthetists, containing all the key information needed for FRCA exams. **Principles and Practice of Pharmacology for Anaesthetists** Wiley-Blackwell This fifth edition of Principles and Practice of Pharmacology for Anaesthetists continues to provide a comprehensive scientific basis and a readable account of the principles of pharmacology, as well as practical guidance in the use of drugs that is relevant to clinical anaesthesia. With these concepts in mind: Every chapter in this new edition has been thoroughly revised and updated An additional chapter on Adverse Drug Reactions is included For ease of reference, the structures of many commonly used agents are featured, with their sites of isomerism, when appropriate Recommended International Non-proprietary Names (rINNs) are generally used for generic agents, although preference has been given to the current nomenclature for adrenaline and noradrenaline As in previous editions, a comprehensive glossary covering abbreviations and acronyms is included to aid the reader. Principles and Practice of Pharmacology for Anaesthetists is an invaluable resource, both for candidates of professional examinations in anaesthesia and the practising anaesthetist wishing to refresh their pharmacological knowledge. **Pocket Anesthesia** Lippincott Williams & Wilkins Designed for easy transport and quick reference, Pocket Anesthesia, presents essential information that residents, anesthesiologists, CRNAs, and medical students need on the wards and in the operating room. Edited by anesthesia faculty at Harvard Medical School, this pocket-size reference is ideally suited for today's fast-paced anesthesia environment--it is concise, easy to read, and evidence-based. Essential information is presented in a well-organized schematic outline format with many tables, algorithms, and diagrams. The book is filled with must-know facts about drugs, frequent intraoperative problems, differential diagnosis, common disease states, patient evaluation, and anesthetic considerations for each subspecialty. New to the revised, second edition, is the inclusion of ultrasound-guided regional anesthesia procedures. **Clinical Pharmacy and Therapeutics** A practical guide for the treatment of common diseases, this updated edition includes the very latest information. It covers the treatment of disease by drug therapy and uses case studies to illustrate the application of the principles discussed **The Difficult Airway An Atlas of Tools and Techniques for Clinical Management** Springer Science & Business Media The Difficult Airway provides a comprehensive textual and visual coverage of how to deal with patients who have expected or unexpected difficult airways. The text begins with a description of the incidence and importance of the

difficult airway and then describes the ASA Difficult Airway Algorithm created to facilitate the management of "difficult airways." The majority of the book features a comprehensive step-by-step approach to the rescue techniques listed as part of the ASA Algorithm. Noted experts in each of the techniques have been recruited by the book editors to present the information. Figures throughout the book illustrate important points and procedures. This is a wonderful resource for professionals in the health care field including anesthesiologists, intensive care physicians, emergency room physicians, nurses, and out-of-hospital first responders. **Quick Draw Anatomy for Anaesthetists** Scion Publishing From reviews: "Dr. Fox has created a simplified and readily accessible group of anatomic drawings that quickly allow those studying to master the material. The concept itself of using visual mnemonics is useful to all... For visual learners, the concept just can't be beat. Dr. Fox, congratulations on completing your training and thank you for creating and publishing this simple little book that will help those with a bent toward the visual to learn more quickly and effectively." *Anesthesiology* 2018; 129:857-8 This book provides you with simple instructions on how to draw and interpret the crucial anatomy you need for your anaesthetic training. Covers all the relevant anatomy in: · Head, neck and neuro - from Circle of Willis to cervical plexus · Vertebral column - from the spinal cord to the sacrum · Cardiac - coronary arteries and venous drainage of the heart · Airway and respiratory - from airway sensation to the diaphragm · Abdomen - from the abdominal aorta to the nephron, via a TAP block · Limbs - from blood vessels in the arms to the ankle, via the femoral canal For the majority of sections, in addition to a simple drawing and detailed explanation, there are also step-by-step illustrations to show you how to draw the anatomy yourself - taking some of the stress out of potential viva questions! **Pharmacology in Anesthesia Practice** Oxford University Press The grasp of pharmacologic principles and their practical application sits at the heart of anesthesiology practice. Intended to fill the niche for a rapid, point-of-care overview of clinical pharmacology in anesthesia, this compact guide covers the commonly prescribed medications in anesthesiology including the subspecialties of obstetric, regional, cardiac, and neuroanesthesia. **Crisis Management in Anesthesiology E-Book** Elsevier Health Sciences The fully updated *Crisis Management in Anesthesiology* continues to provide updated insights on the latest theories, principles, and practices in anesthesiology. From anesthesiologists and nurse anesthetists to emergency physicians and residents, this medical reference book will effectively prepare you to handle any critical incident during anesthesia. Identify and respond to a broad range of life-threatening situations with the updated *Catalog of Critical Incidents*, which outlines what may happen during surgery and details the steps necessary to respond to and resolve the crisis. React quickly to a range of potential threats with an added emphasis on simulation of managing critical incidents. Useful review for all anesthesia professionals of the core knowledge of diagnosis and management of many critical events. Explore new topics in the ever-expanding anesthesia practice environment with a detailed chapter on debriefing. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. **Understanding Medical Education Evidence, Theory, and Practice** John Wiley & Sons Created in partnership with the Association for the Study of Medical Education (ASME), this completely revised and updated new edition of *Understanding Medical*

Education synthesizes the latest knowledge, evidence and best practice across the continuum of medical education. Written and edited by an international team, this latest edition continues to cover a wide range of subject matter within five broad areas - Foundations, Teaching and Learning, Assessment and Selection, Research and Evaluation, and Faculty and Learners - as well as featuring a wealth of new material, including new chapters on the science of learning, knowledge synthesis, and learner support and well-being. The third edition of Understanding Medical Education: Provides a comprehensive and authoritative resource summarizing the theoretical and academic bases to modern medical education practice Meets the needs of all newcomers to medical education whether undergraduate or postgraduate, including those studying at certificate, diploma or masters level Offers a global perspective on medical education from leading experts from across the world Providing practical guidance and exploring medical education in all its diversity, Understanding Medical Education continues to be an essential resource for both established educators and all those new to the field.

Anaesthetics for Junior Doctors and Allied Professionals The Essential Guide CRC Press Arriving in the anaesthetic room for the first time can be a daunting experience. You will be closely supervised, but everything will seem very new. Surgery is a stressful life-event for the patient and your job as an anaesthetist is to make it as safe and as comfortable as you can whilst ensuring the best outcome possible. Anaesthesia is no longer the preserve of the medical anaesthetist. It increasingly features in undergraduate and postgraduate healthcare education, and many of the competencies required need to be attained quickly, in conjunction with new drugs and equipment. This guide provides practical and clinically relevant advice in easily understandable sections to give you confidence and prepare you for your days in theatre - without the complicated physiology, pharmacology and physics. It allows you to understand the most common drugs and provides a rationale for using them. It's the perfect quick, clinical reference for dealing with common problems and emergencies; ideal for everyday use. This book is invaluable for anaesthetists starting out in their career, but is also highly recommended for Foundation, ACCS, ICM trainees, medical students, operating department trainees and nurses. It also provides an excellent revision basis for Primary FRCA candidates. 'This book provides the basic background and ground rules for how anaesthetists work, how they approach a problem and how one can prepare for it. Some of the initial chapters could be usefully read by all surgeons, especially those in Foundation Training posts, and medical students considering an anaesthetic or intensive placement. The use of lists, key points and limited use of references help make the book easy to read, or dip into between cases, and keep it a manageable size whilst still providing a mine of information for the target audience.'

From the Foreword by Peter Nightingale **Textbook of Anaesthesia Oxford Handbook of Anaesthesia** The Oxford Handbook of Anaesthesia has been completely updated for the second edition. All chapters have been rewritten and a number of new expert authors have been brought on board. Additional new material includes anaesthesia for the critically ill, and a comprehensive section on anaesthetic risk including anaesthetic risk tables. The first section deals with preoperative issues affecting the administration of anaesthesia. Practical advice is provided covering the impact of medical disease on anaesthesia. The second section describes

practical anaesthetic techniques for surgical specialties, including most subspecialties such as thoracic and neuroanaesthesia. Separate, comprehensive sections on paediatric and obstetric anaesthesia are included. The management of emergencies arising during anaesthesia are fully covered with helpful action plans and algorithms throughout. Uncommon conditions and their management are included, and there is an extensive drug formulary and guide to infusion drugs. As with the first edition, this new edition will be the essential handbook for anaesthetists, both junior and experienced, for registrars and those sitting exams, as well as ODPs and nurses involved in theatre area work and pre-assessment. It is the one book for anyone working in anaesthesia to keep to hand at all times! **The Complete Recovery Room Book** Oxford University Press, USA The Complete Recovery Room Book, Sixth edition is an essential resource for health care professionals involved in post-operative care. **Cottrell and Young's Neuroanaesthesia** Elsevier Health Sciences Cottrell's Neuroanaesthesia 5th Edition, edited by James E. Cottrell, MD, FRCA and William L. Young, MD, delivers the complete and authoritative guidance you need to ensure optimal perioperative safety for neurosurgical patients. Integrating current scientific principles with the newest clinical applications, it not only explains what to do under any set of circumstances but also why to do it and how to avoid complications. Comprehensive updates reflect all of the latest developments in neurosurgical anaesthesia, and contributions from many new experts provide fresh insights into overcoming tough clinical challenges. New co-editor William L. Young, MD joins James E. Cottrell, MD, FRCA at the book's editorial helm, providing additional, complementary expertise and further enhancing the book's authority. New chapters keep you current on interventional neuroradiology, anesthetic management of patients with arteriovenous malformations and aneurysms, awake craniotomy, epilepsy, minimally invasive and robotic surgery, and pregnancy and neurologic disease. Comprehensive updates reflect all of the latest developments in neurosurgical anaesthesia, and contributions from many new experts provide fresh insights into overcoming tough clinical challenges. Comprehensive and broad coverage of all important aspects of neuroanaesthesia, including special patient populations, enables you to find reliable answers to any clinical question. Chapters written by neurointensivists, neurosurgeons, and radiologists provide well-rounded perspectives on each topic. A consistent, logical organization to every chapter makes answers easy to find quickly. Clear conceptual illustrations make complex concepts easier to understand at a glance. **Operating Department Practice A-Z** Cambridge University Press An alphabetical presentation of the key topics of interest to ODPs in training and in practice. **CRQs for the Final FRCA** Cambridge University Press Invaluable CRQ practice papers for the new Final FRCA format. An essential revision text for all candidates. **An Introduction to Cardiovascular Physiology** Butterworth-Heinemann An Introduction to Cardiovascular Physiology is designed primarily for students of medicine and physiology. This introductory text is mostly didactic in teaching style and it attempts to show that knowledge of the circulatory system is derived from experimental observations. This book is organized into 15 chapters. The chapters provide a fuller account of microvascular physiology to reflect the explosion of microvascular research and include a discussion of the fundamental function of the cardiovascular system involving the transfer of

nutrients from plasma to the tissue. They also cover major advances in cardiovascular physiology including biochemical events underlying Starling's law of the heart, nonadrenergic, non-cholinergic neurotransmission, the discovery of new vasoactive substances produced by endothelium and the novel concepts on the organization of the central nervous control of the circulation. This book is intended to medicine and physiology students. **Advanced Practice in Critical Care A Case Study Approach** John Wiley & Sons *Advanced Practice in Critical Care* provides experienced critical care nurses with a clear and distinct evidence base for contemporary critical care practice. Central to the book is the application of research and evidence to practice and therefore, case studies and key critical care clinical situations are used throughout to guide the reader through the patient care trajectory. Each chapter introduces an initial patient scenario and as the chapter progresses, the patient scenario develops with the theoretical perspectives and application. In this way, it is evident how multi-organ dysfunction develops, impacting upon and influencing other body systems, demonstrating the multi-organ impact that is often experienced by the critically ill patient. In this way, consequences of critical illness such as acute renal failure, haemostatic failure and liver dysfunction are explored. Throughout the text, key research findings and critical care treatment strategies are referred to, applied and evaluated in the context of the given patient case study. *Advanced assessment techniques* are explained and the underlying pathophysiology is discussed in depth. *Advanced Practice in Critical Care* is an essential resource for experienced practitioners within critical care whom primarily care for patients requiring high dependency or intensive care. **Morgan and Mikhail's Clinical Anesthesiology, 5th edition** McGraw Hill Professional The most user-friendly, clinically relevant overview of the practice of anesthesiology Current, concise, and engagingly written, Morgan & Mikhail's *Clinical Anesthesiology, Fifth Edition* is a true essential for all anesthesia students and practitioners. This trusted classic delivers comprehensive coverage of the field's must-know basic science and clinical topics in a clear, easy-to-understand presentation. Indispensable for coursework, exam review, and as a clinical refresher, this trusted text has been extensively updated to reflect the latest research and developments. Here's why *Clinical Anesthesiology* is the best anesthesiology resource: **NEW** full-color presentation **NEW** chapters on the most pertinent topics in anesthesiology, including anesthesia outside of the operating room and a revamped peripheral nerve blocks chapter that details ultrasound-guided regional anesthesia Up-to-date discussion of all relevant areas within anesthesiology, including equipment, pharmacology, regional anesthesia, pathophysiology, pain management, and critical care Case discussions promote application of the concepts to real-world practice Numerous tables and figures encapsulate important information and facilitate memorization