

Pharmacology For Anaesthesia And Intensive Care 4 Edition

The Washington Manual of Critical Care is a concise pocket manual for physicians and nurses. It is distinguished from the multitude of other critical care handbooks on the market by its consistent presentation of algorithms displaying the decision-making pathways used in evaluating and treating disorders in the ICU. The new edition transitions to a full color format and will include coverage of Deep Venous Thrombosis/Pulmonary Embolism, fetal-maternal critical care, C difficile infection, and alternative hemodynamic monitoring.

Expanded and updated to reflect the most recent changes in the viva examination

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.

Now fully updated, this clear, readable text is the essential guide all trainee anaesthetists need for revision and practice.

Qbase Anaesthesia

Physics in Anaesthesia

Physics, Pharmacology and Physiology for Anaesthetists

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

The Anaesthesia Science Viva Book

Presents a modern vision of anaesthesia, integrating technology and knowledge, to change how anaesthesia is taught and practised.

A practical A-Z pocket manual that explains how to use drugs safely and effectively in an intensive care setting.

This book has been thoroughly updated and expanded, with additional contributions from experts in the field.

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

Targeting Physiological Systems for Optimal Effect

Personalized Anaesthesia

A Primary FRCA Companion

Basic Physiology for Anaesthetists

The Washington Manual of Critical Care

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

Training in Anaesthesia is a curriculum-based guide to the first phase of speciality training in anaesthetics, comprehensively covering the techniques, assessments, and basic medical and physiological knowledge that trainees learn as part of their basic training and which are examined by the Primary FRCA qualification.

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.

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.

Recent Advances in Anaesthesia and Intensive Care: Volume 22

Pharmacology for Anaesthesia and Intensive Care South Asian Edition

Oxford Handbook of Critical Care

An Encyclopaedia of Principles and Practice

Essentials of Anaesthetic Equipment E-Book

A quick reference to basic science for anaesthetists, containing all the key information needed for FRCA exams.

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.

Packed with easily understood, up-to-date and clinically relevant material, this is the only physiology book junior anaesthetists will need.

The fully revised, third edition of this bestselling Handbook describes best practice of critical care in a succinct, concise and clinically-orientated way. Covering the principles of general management, it includes therapeutic and monitoring devices, specific disorders of organ systems, as well as detailed information on drugs and fluids. New material has been added on key areas such as airway maintenance, dressing techniques, infection control, echocardiography, tissue perfusion monitoring, coma and more. With up-to-date references and invaluable clinical advice, there is also plenty of space to add notes or amend sections to suit local protocols. Patient-centred and practical, it will serve the consultant, trainee, nurse or other allied health professionals as both a reference and aide memoir. This is the indispensable Oxford Handbook for all those working within critical care.

Oxford Textbook of Anaesthesia

Smith and Aitkenhead's Textbook of Anaesthesia E-Book

A Complete Guide for the Frca

Handbook of Drugs in Intensive Care

Principles and Practice of Pharmacology for Anaesthetists

In recent years the basic science viva of the Final FRCA has evolved a more clinical perspective. The new edition of the highly successful Anaesthesia Science Viva Book incorporates this new clinical emphasis, giving candidates an insight into the way the viva works, offering general guidance on exam technique, and providing readily accessible information relating to a wide range of potential questions. Questions are divided broadly into the four areas covered by the exam: applied anatomy, physiology, pharmacology and clinical measurement. Answers have been constructed to provide candidates with more than enough detail to pass the viva. Covering the full scope of the basic science syllabus, and written by an experienced FRCA examiner, The Anaesthesia Science Viva Book, second edition, is an essential purchase for every Final FRCA candidate.

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 Anaesthesiasucceeds 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 anaesthesia providers." Anesthesiology, September 2013 "This is an excellent refreshing and practical text whencompared with various older textbooks on physics for anaesthesia.... The text iswritten in a concise, uncomplicated, and easily understood manner, andrepresentative clinical scenarios are often used.... In my view, this is a superbteaching textbook on basic physics.... I would recommend this textbook to ourAnaesthesia Post-Graduate Program!" Canadian Journal of Anaesthesia(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 reference tool." Nursing Standard, June 2012,30:vol. 26 no. 41 "This is a book specifically for anaesthesia professionals written by Anaesthetists, 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. This book is not just a "must have" for students of anaesthesia and any prospective anaesthesia students looking to brush up before training but also for the working Nurse Anaesthetists as a quick and easy to use reference." www.nurse-anaesthesia.org, June 2012 Physics in Anaesthesiacaters 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.

Anatomy questions are asked in all parts of the FRCA examinations, and for many trainees it is a particularly daunting part of the exams. This important new book provides a comprehensive, exam-orientated clinical anatomy book for anaesthetists preparing for all parts of the FRCA. It covers all body regions, relating underlying anatomy to practical procedures and anatomical principles, spanning the breadth of the curriculum and comprising exam-style questions: a chapter of SAQ questions, one of OSCE stations, one of SOE questions and one of MCQs. The text is highly illustrated in full colour with ultrasound images, diagrams and photographs of cadaveric material and models. This is the first anatomy book specifically orientated for the FRCA exam, making it an essential resource for anaesthetists preparing for all parts of the FRCA examination.

Written for students studying for higher examinations in anaesthesia and surgical students who are increasingly called upon to have an understanding of anaesthetic drugs, this reference is fully updated and now covers intensive care work.

Drugs in Anaesthesia and Intensive Care

Fundamentals of Anaesthesia

Pharmacology for Anaesthesia and Intensive Care South Asia Edition

Anesthetic Pharmacology

Pharmacology in Anesthesia Practice

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

This definitive reference from the Textbooks series, the Oxford Textbook of Anaesthesia addresses the fundamental principles, underpinning sciences and the full spectrum of clinical practice. It brings together the most pertinent research from on-going scientific endeavours with practical guidance and a passion to provide the very best clinical care to patients. This comprehensive work covers all aspects of anaesthesia; volume one addresses the fundamental principles and the basic sciences whose understanding is required for a logical, effective and evidence-based approach to practice. Volume two focuses on the clinical aspects of anaesthesia, including those aspects of intensive care and pain medicine that are required by all general anaesthetists as well as sections dedicated to procedures, surgical specialities, paediatrics, the conduct of anaesthesia outside the theatre, and concurrent disease. In 91 finely crafted and highly illustrated chapters, experts in anaesthesia review the supporting evidence and key techniques for the clinical management of specific conditions and patient groups.

International contributors share their research and extensive experience to provide a wealth of practical advice for use in clinical situations in a global context. The Oxford Textbook of Anaesthesia will publish both in print and online on Oxford Medicine Online where it can be accessed via smartphone or similar devices and will be updated annually to reflect major changes in clinical practice. The print edition of the Oxford Textbook of Anaesthesia comes with a year's access to the online version. This essential reference tool supports all anaesthetists seeking an up-to-date and trustworthy account of all aspects of anaesthesia. It will be an indispensable guide to anaesthetists of all grades and subspecialty interest.

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

Some important constraints of anaesthesia must be taken into consideration when the pharmacological properties of modern anaesthetics are discussed. The most important of these could be that the target effect be achieved preferably within seconds, at most within a few minutes. Similarly, offset of drug action should be achieved within minutes rather hours. The target effects, such as unconsciousness, are potentially life-threatening, as are the side effects of modern anaesthetics, such as respiratory and cardiovascular depression. Finally, the patient's purposeful responses are not available to guide drug dosage, because, either the patient is unconscious, or more problematically, the patient is aware but unable to communicate pain because of neuromuscular blockade. These constraints were already recognised 35 years ago, when in 1972 Volume XXX entitled "Modern Inhalation Anaesthetics" appeared in this Handbook Series. The present volume is meant as a follow up and extension of that volume. At the beginning of the 1970's anaesthesia was commonly delivered by inhalation, with only very few exceptions. The clinical understanding of that time considered anaesthesia as a unique state achieved by any of the inhalation anaesthetics, independent of their specific molecular structure. "The very mechanism of anesthetic action at the biophase" was discussed within the theoretical framework of the "unitary theory of narcosis".

Essentials of Pharmacology for Anesthesia, Pain Medicine, and Critical Care

MCQs in Pharmacology for Anaesthesia and Intensive Care

Training In Anaesthesia

An A-Z Guide

Basic Principles and Clinical Practice

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-anaesthesia.org, 8 Feb 2014 Equipmentin Anaesthesia and Critical Care specifically follows the syllabus published by the Royal College of Anaesthetists and is the perfectguide for candidates studying for their FRCA qualifications. Thebook is beautifully illustrated and features high quality colour photographs throughout. The text is engaging and comprehensive, relating each piece of equipment backto its basic physics, mechanics and clinical context. The clear, concise andstandardised 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 andcons, and safety considerations. Theauthors, all senior registrars in anaesthesia and critical care, appreciateexactly what candidates need to know to pass the FRCA exam. They haveidentified and tackled difficult subjects which are often glossed over omitted in other resources, to produce a book that is comprehensive, engaging andto the point. In addition to FRCA candidates, the book is also suitable foroperating department practitioners, critical care staff, and physicians with aninterest in anaesthesia or critical care.

In anesthesiology, pain medicine, and critical care, practitioners at all levels need help to stay current with the continually evolving drug knowledge-base and trainees need tools to prepare for in-training and board exams that increasingly test their knowledge of pharmacology. This practical book is aimed at both readerships. It features a unique and practical chapter on the United States Food and Drug Administration (FDA) "black box" warnings that describe what safety precautions should be taken with commonly used drugs. The editors and contributors are pharmacology experts representing a cross-section of clinical specialties and institutions in the United States and include pharmacologists, pharmacists, as well as physicians.

Textbook of Anaesthesia has become the book of choice for trainee anaesthetists beginning their career in the speciality. 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.

This new edition provides clinicians and trainees with the latest information on drugs in anesthesiology. Presented in tabular format, each section covers a different drug category, explaining and comparing the properties and characteristics of drugs within that group. The second edition features a new chapter on pharmacological terms, and each chapter includes references for further reading. The comprehensive text is further enhanced by clinical images and figures. Key points Fully revised, new edition providing latest information on drug in anesthesiology Presented in tabular format to allow easy comparison of similar drugs Second edition features a new chapter on pharmacological terms Previous edition (9786184484069) published in 2008

Applied Anatomy for Anaesthesia and Intensive Care

Modern Anaesthetics

Pharmacology for Anaesthesia and Intensive Care

The Anaesthesia Viva: Volume 1, Physiology and Pharmacology

Drugs in Anaesthesiology

In recent years our understanding of molecular mechanisms of drug action and interindividual variability in drug response has grown enormously. Meanwhile, the practice of anesthesiology has expanded to the preoperative environment and numerous locations outside the OR. Anesthetic Pharmacology: Basic Principles and Clinical Practice, 2nd edition, is an outstanding therapeutic resource in anesthesia and critical care: Section 1 introduces the principles of drug action, Section 2 presents the molecular, cellular and integrated physiology of the target organ/functional system and Section 3 reviews the pharmacology and toxicology of anesthetic drugs. The new Section 4, Therapeutics of Clinical Practice, provides integrated and comparative pharmacology and the practical application of drugs in daily clinical practice. Edited by three highly acclaimed academic anesthetic pharmacologists, with contributions from an international team of experts, and illustrated in full colour, this is a sophisticated, user-friendly resource for all practitioners providing care in the perioperative period.

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.

In everyday practice, anesthesiologists can make use of a wide range of drug treatments, and require readily available and accessible information on the appropriate drug to use in any given situation. The first edition of this book proved an invaluable guide for resident and practicing specialist in instructing them on appropriate drug treatments. This new edition has been fully updated to take into account recent developments in clinical pharmacology, and includes information on many new drugs. The book describes the pharmacokinetics and pharmacodynamics of all the drugs commonly used in anaesthesia. The improved layout of the book allows rapid access to specific information on the properties and characteristics of 180 different drugs.

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.

Equipment in Anaesthesia and Critical Care

Drugs in Anaesthetic and Intensive Care Practice

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

Anatomy for the FRCA

Proceedings of the 25th Annual Meeting - International Symposium on Critical Care Medicine

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

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

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

An Encyclopaedia of Principles and Practice

Key Concepts for the FRCA