

Drugs In 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 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. 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. 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. Following on from the success of the first edition, *Short Answer Questions and MCQs in Anaesthesia and Intensive Care* has been completely rewritten to reflect the changes to the final FRCA exam from a long essay based examination to compulsory short answer questions (SAQs). This guide aims to introduce methods and systems of answering questions succinctly and accurately. Almost all of the questions have been asked in the final FRCA since 1996 and most chapters carry more detail than required to reach a pass standard. The new edition takes a question-orientated approach and provides guidance for the final exam. Given the short time allowed for answering the SAQs, previous practice, prior to sitting the examination, is essential. Each of the twelve sections has a comprehensive set of multiple choice questions (MCQ) to the same standard as those set by the Royal College of Anaesthetists. It is vital that candidates practice MCQs as well as SAQs, and the ninety multiple choice questions that follow the SAQ paper carry just as much weight as the SAQ paper. The book has been structured as topic based sections and chapters, each of which can be followed and used to enable self-testing. This book is an invaluable revision aid during preparation for the final FRCA exam and, due to the breadth of content, also forms a useful ready reference throughout anaesthetic training. This new edition provides clinicians with the latest information on drugs in anaesthesiology. 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 and 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 anaesthesiology Presented in tabular format to allow easy comparison of similar drugs Second edition features a new chapter on pharmacological terms Previous edition (9788184484069) published in 2008

In recent years our understanding of molecular mechanisms of drug action and interindividual variability in drug response has grown enormously. Meanwhile, the practice of anaesthesiology 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 anaesthesia 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.

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

Drugs in Anaesthetic Practice

The Essential Guide

Drugs in Anaesthesia and Critical Care

The Toxicology Handbook 2e is a practical, didactic guide to the approach, assessment and management of poisoned patients. It has been written for hospital-based doctors at all levels and describes the risk assessment-based approach pioneered by the principal authors. The concise layout enables the reader to quickly locate information in a poisoning emergency. The book also features locally relevant information on bites, stings and envenoming. This book will also be useful for ambulance service paramedics and pharmacists.

Essential Anaesthesia is a concise, accessible introduction to anaesthetic practice. Now in its second edition, it provides a thorough overview of the science and practice of anaesthesia. Part I describes the evaluation of the patient, the different approaches to anaesthesia, and the post-operative care of the patient in pain. Part II introduces the essentials of physiology and pharmacology and their role in understanding the principles of anaesthesia. The final part presents a step-by-step description of 14 clinical cases. These clinical vignettes give a very real introduction to the practicalities of anaesthesia and will give the non-anaesthetist physician an idea of how to prepare a patient for a surgical procedure. All chapters have been expanded and updated and an entirely new chapter on safety in healthcare has been added. This is the perfect introductory text for medical students, junior doctors and all operating theatre and critical care staff.

In anaesthesia practice and treatment, pharmacology and therapeutics are intimately related, synergistic, and mutually reinforcing. Rapid advances in pharmacotherapy often offer myriad treatment options for clinicians to sort through when developing patient management strategies. In turn, the principles of clinical therapeutics are rooted in fundamental pharmacology. Clinicians must understand pharmacologic principles in order to formulate and implement therapeutic algorithms that maximize patient benefit. *Pharmacology in Anaesthesia Practice* provides clinicians with a rapid and easy review of the most commonly utilized pharmacologic agents during perioperative care. Clinical application is emphasized throughout. It aims to offer clinicians point-of-care guidance from internationally recognized authors and centers of excellence.

Implementing safety practices in healthcare saves lives and improves the quality of care: it is therefore vital to apply good clinical practices, such as the WHO surgical checklist, to adopt the most appropriate measures for the prevention of assistance-related risks, and to identify the potential ones using tools such as reporting & learning systems. The culture of safety in the care environment and of human factors influencing it should be developed from the beginning of medical studies and in the first years of professional practice, in order to have the maximum impact on clinicians' and nurses' behavior. Medical errors tend to vary with the level of proficiency and experience, and this must be taken into account in adverse events prevention. Human factors assume a decisive importance in resilient organizations, and an understanding of risk control and containment is fundamental for all medical and surgical specialties. This open access book offers recommendations and examples of how to improve patient safety by changing practices, introducing organizational and technological innovations, and creating effective, patient-centered, timely, efficient, and equitable care systems, in order to spread the quality and patient safety culture among the new generation of healthcare professionals, and is intended for residents and young professionals in different clinical specialties.

Modern Anesthetics

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

Critical Care Sedation

Anaesthesia and Intensive Care A-Z E-Book

Oxford Handbook of Anaesthesia

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

*Drugs in Anaesthesia and Intensive Care*Oxford University Press

Provides in-depth information on aspects of commonly-used drugs in anaesthesia and critical care, such as the basic principles of pharmacology, absorption through excretion, mechanisms of drug action, pharmacodynamics, and pharmacokinetics. The most striking feature of the book is the organization and presentation of drugs from a clinical point of view. Each chapter is divided into short sections with bold titles, making scanning of information easy. – Full of illustrations, figures, and tables. – A quick source of valuable information for both anaesthetists and critical care specialists. – Includes ‘Key Points’, ‘Take Home Messages’, FAQs, ‘One Fact to Remember’, and ‘Anaesthesia Pearls’. – Focuses on the requirements of postgraduate students in anaesthesiology, and those pursuing fellowship in any branch of anaesthesia or completing their DM in critical care.

Prepared by noted critical care experts at the National Institutes of Health and leading medical centers, this handbook is a quick-reference guide to the choice and administration of drugs in critical care. It contains 126 easy-to-scan tables listing drugs of choice for specific clinical situations; dosages, dilutions, and infusion rates; and indications and adverse effects of drugs. Emphasis is on toxicities, compatibilities, and clinical considerations that would guide the choice of drug. This thoroughly updated Third Edition includes many new drugs and has an expanded section on neurologic and psychiatric therapeutics. This Third Edition is also available for PDAs. See Media Products section for details.

Targeting Physiological Systems for Optimal Effect

Drugs in Anaesthesia and Intensive Care

Smith and Aitkenhead's Textbook of Anaesthesia E-Book

Handbook of Critical Care Drug Therapy

An Encyclopaedia of Principles and Practice

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

This book provides a comprehensive guide to delivering analgesia and sedation to critically ill patients for professionals and caregivers being involved in the management of these patients. It discusses and explains in detail the advantages and limitations of each drug and device using clear flowcharts, diagrams and tables. Furthermore, it explores the new drugs and – above all – new sedation delivery systems available in ICUs. This book is a valuable and practical resource for anaesthetists, intensivists and emergency physicians interested in sedation.

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

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

Essential Anaesthesia

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

Pharmacology for Anaesthesia and Intensive Care

General Anesthesia Research

Anaesthetics for Junior Doctors and Allied Professionals

This concise, clear text explains how to use drugs safely and efficiently in the management of the critically ill. It is also an invaluable quick reference for the doctor and nurse working in the intensive care unit.

Proceedings of the 15th Postgraduate Course in Critical Care Medicine, Trieste, Italy, November 17-21, 2000

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

Offering essential, evidence-based practice guidelines specifically for the critical care setting, *ICU Quick Drug Guide* contains up-to-date information in a quick-access format. This portable handbook provides fast, accurate drug therapy information needed at the point of care, including expert advice throughout to help clinicians determine optimal pharmacological therapy. Offers a quick summary of current clinical guidelines to experienced clinicians while providing a simplified, focused guide to all entry level clinicians. Covers the wide variety of issues seen in the ICU, including sepsis and septic shock, venous thromboembolism, acute heart failure, anaphylaxis, arrhythmias, asthma and COPD, pain, infections, pancreatic and liver failure, stroke, and many more. Begins each topic with a brief discussion of the disease state followed by drug tables that compare and contrast different treatment regimens, including pharmacokinetics, pharmacodynamics, drug interactions, contraindications, and hepatic/renal dosing. Contains clinical pearls organized by the top disease states seen in the critical/acute care setting. Provides practical and essential drug information from Dr. Jennifer Pai Lee, a clinical pharmacist with expertise in critical care and pharmacokinetics/pharmacodynamics.

ICU Quick Drug Guide

Tillegg til Auktionen d. 24. Oktober, Afd. Vexelmægler C. C. Deegens Bogsamling

Essential Clinical Anaesthesia

Textbook of Patient Safety and Clinical Risk Management

Handbook of Drugs in Intensive Care

Reviews pre-, intra- and post-operative management of many of the most complicated and sick patients requiring anaesthesia for surgery.

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.

This definitive resource from the eminent Oxford 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 specialties, 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.

The new edition of this popular text features practical advice on the safe, effective administration of general and regional anaesthesia to infants and children. It reviews underlying scientific information; addresses preoperative assessment, and anaesthesia management in detail; and provides guidelines for postoperative care, emergencies, and special procedures. 31 international experts present information on standard techniques as well as the very latest advances in pediatric anaesthesiology. 49 international experts discussing today's standard techniques as well as the very latest advances in paediatric anaesthesiology to provide guidelines for post-operative care, emergencies and special procedures helpful new illustrations. New insights from a neonatal pharmacologist and a neonatalist. Extensively revised chapters in The Paediatric Airway, pharmacology, transplantation, regional anaesthesia, temperature regulation and pain. Clarifies complex principles of technique using over 300 illustrations - 120 new to this edition.

Oxford Textbook of Anaesthesia

Personalized Anaesthesia

Short Answer Questions and MCQs in Anaesthesia and Intensive Care, 2Ed

Raderinger, Kobberstik, Litografier m. m. Sælges den 26. Oktober

Toxicology Handbook

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 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 starting point 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 careers, 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

Now fully updated, the *Oxford Handbook of Clinical Pharmacy* remains the indispensable guide to clinical pharmacy, providing all the information needed for practising and student pharmacists. Presenting handy practical guidance in a quick-reference, bullet-point format, this handbook will supply the knowledge and confidence needed to provide a clinical pharmacy service. Complementing the current British National Formulary guidelines, the handbook gives prescribing points and linked concepts of relevance to clinical pharmacists. The contents are evidence-based and contain a wealth of information from the authors' many years of clinical pharmacy experience. This handbook is the definitive quick-reference guide for all practising and student pharmacists. Anaphylactic Reactions in Anaesthesia 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 anaesthesiologist; preoperative considerations in the patient; treatment to anaphylactic reactions; pharmacologic therapy for anaphylaxis; management of acute anaphylaxis; and managing sequelae 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.

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.

A Practice of Anaesthesia for Infants and Children

Basic Physiology for Anaesthetists

An A-Z Guide

Proceedings of the 15th Postgraduate Course in Critical Care Medicine Trieste, Italy | November 17|21, 2000

Anesthetic Pharmacology

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.

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

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

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.

Pharmacology in Anaesthesia Practice

Drug Science to Practice

Drug Prescribing in Anaesthesia and Intensive Care

Drugs in Anaesthetic and Intensive Care Practice

Oxford Handbook of Clinical Pharmacy

The clinical practice of anaesthesia has undergone many advances in the past few years, making this the perfect time for a new state-of-the-art anaesthesia textbook for practitioners and trainees. The goal of this book is to provide a modern, clinically focused textbook giving rapid access to comprehensive, succinct knowledge from experts in the field. All clinical topics of relevance to anaesthesiology are organized into 29 sections consisting of more than 180 chapters. The print version contains 166 chapters that cover all of the essential clinical topics, while an additional 17 chapters on subjects of interest to the more advanced practitioner can be freely accessed at www.cambridge.org/vacanti. Newer techniques such as ultrasound nerve blocks, robotic surgery and transesophageal echocardiography are included, and numerous illustrations and tables assist the reader in rapidly assimilating key information. This authoritative text is edited by distinguished Harvard Medical School faculty, with contributors from many of the leading academic anaesthesiology departments in the United States and an introduction from Dr. S. R. Mallampati. This book is your essential companion when preparing for board review and recertification exams and in your daily clinical practice.

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.

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!

In anaesthesiology, 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.

Oxford Handbook of Critical Care

Anaphylactic Reactions in Anaesthesia and Intensive Care

Basic Principles and Clinical Practice

Recent Advances in Anaesthesia and Intensive Care: Volume 22

Anesthesia for the High-Risk Patient

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 XXV 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 anaesthetic action at the

biophase” was discussed within the theoretical framework of the “u-rary theory of narcosis”.

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.

This book explores several aspects of the research in the field of general anaesthesia, including mechanisms of action of inhaled and intravenous hypnotic agents; the anaesthetics-induced neurotoxicity in children and elderly; features and physiopathology of postoperative cognitive side effects; and findings from preclinical research focused on the recognition of potential links between anaesthetics and cancer cell biology. Furthermore, chapters in this book cover technical topics such as preoperative monitoring of autonomic nervous activity; EEG based monitoring of general anaesthesia; monitoring cerebral oximetry by near infrared spectroscopy; pharmacological issues of anaesthesia interest; and optimization of perioperative course through the latest techniques such as the opioid-free anaesthesia.

Finally, this book offers a comprehensive and up-to-date discussion on the phenomenon of general anaesthesia awareness and its potential psychological sequelae. In Neuromethods series style, chapters include the kind of detail and key advice from the specialists needed to get successful results in your laboratory. Cutting-edge and comprehensive, General Anesthesia Research is a valuable resource for novice and expert anesthesiologists who want to learn more about the important advances made in this developing field.

An Encyclopedia of Principles and Practice

Drugs in Anaesthesiology