

## Anaesthesia Critical Care Medicine Journal

**Issues in Critical and Emergency Medicine / 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Critical and Emergency Medicine. The editors have built Issues in Critical and Emergency Medicine: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Critical and Emergency Medicine in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Critical and Emergency Medicine: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.**

**An essential reference text, the fifth edition of this popular book details drugs in anaesthesia and intensive care in an A-Z format. The book describes the pharmacokinetics and pharmacodynamics of all the drugs commonly used by anaesthetists. The A-Z organisation allows rapid access to specific information on the properties and characteristics of almost 200 drugs. The new edition includes a complete revision of all the featured drugs, and the addition of key new drugs. New diagrams of particular drug structures and comparison tables aid comparison of differences within a drug class for exam revision. Improved navigation in the index enables prompt discoverability of information. Written in a concise, bullet-point style to allow quick access to information, the book contains all necessary drug references for anaesthetists in training, consultant anaesthetists, intensive care nurses, and anaesthetic assistants.**

**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, pancreatitis 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.**

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

**A Handbook for Junior Doctors and Allied Professionals**

**Drugs in Anaesthesia and Intensive Care**

**Basic and Advanced Sciences for Anaesthetic Practice**

**Pain Medicine: Prepare for the FRCA**

**Emergencies in Anaesthesia**

**Anaesthesia and the Practice of Medicine: Historical Perspectives**

*This comprehensive, evidence-based book is intended to serve as a reference for medical practitioners involved in the perioperative care of neurosurgical patients. Fundamental aspects of neuroanesthesiology and neurocritical care are thoroughly examined across 101 chapters, outlining key elements that are crucial to a care provider's knowledge of the practice. These elements include specific diagnostic procedures and treatment options, concepts and applicable details of the available neurosurgical interventions and techniques, and mechanisms necessary to provide top of the line care for patients. Each chapter features definitive and distinct areas of this multi-specialty discipline, and is designed to guide the reader from problem to solution in situations that can arise in the clinical setting.*

*Essentials of Neurosurgical Anesthesia & Critical Care, 2nd edition is a problem-oriented approach textbook that will aid a wide variety of readers in handling day-to-day issues and developments relevant to the perioperative care of neurosurgical patients.*

*This Oxford Specialist Handbook provides an easily accessible, informative, and palatable guide to the often complex subject of thoracic anaesthesia. The text is subdivided into basic sciences, pre-operative assessment, diagnostic procedures, and an anaesthetist's walk-through of key thoracic surgical procedures.*

*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.

Written by two anaesthetists, one British and one American, this unique book focuses on the transatlantic story of anaesthesia. The authors have both worked at the two hospitals where the first general anaesthetics for surgery were given in 1846, Massachusetts General Hospital in

Boston, Massachusetts and University College Hospital, London. Each with more than fifty years' experience of working in anaesthesia, they combine their knowledge and expertise to offer a fresh outlook on the development of anaesthesia through the ages. This highly informative and intriguing text details the origins of anaesthesia, outlines the different techniques of anaesthesia and traces its progress with illuminating and enlightening commentaries. This is a fascinating book which considers the role key figures have played in developing anaesthesia including, Queen Victoria, William Morris, La Condamine, Bjorn Ibsen and Henry Beecher. Broken down into four sections, which are divided into easy-to-read chapters and filled with top quality photographs, this book makes compelling reading. It is recommended to all those interested in the history and development of medicine through the ages, and is of particular interest to anaesthetists. More than just the science of anaesthesia, this is the story about the people and personalities who have made anaesthesia what it is today.

Onco-critical Care

Manual of ICU Procedures

Liver Anesthesiology and Critical Care Medicine

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

Thoracic Anaesthesia

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

***The thoroughly revised second edition of the Oxford Textbook of Critical Care is a comprehensive multi-disciplinary text covering all aspects of adult intensive care management. Uniquely the book takes a problem-orientated approach providing a reference source for clinical issues experienced every day in the intensive care unit. The text is organized into short topics allowing readers to rapidly access authoritative information on specific clinical problems. Each topic refers to basic physiological principles and provides up-to-date treatment advice supported by references to the most vital literature. Where international differences exist in clinical practice, authors cover alternative views. Key messages summarise each topic in order to aid quick review and decision making. Edited and written by an international group of recognized experts from many disciplines, the second edition of the Oxford Textbook of Critical Care provides an up-to-date reference that is relevant for intensive care units and emergency departments globally. This volume is the definitive text for all health care providers, including physicians, nurses, respiratory therapists, and other allied health professionals who take care of critically ill patients. This print edition of The Oxford Textbook of Critical Care comes with a year's access to the online version on Oxford Medicine Online. By activating your unique access code, you can read and annotate the full text online, follow links from the references to primary research materials,***

*and view, enlarge and download all the figures and tables.*

*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.*

*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, particularly those for administering volatile anesthetics on ICUs. This book is a valuable and practical resource for anesthesiologists, intensivists and emergency physicians interested in sedation.*

*Anaesthesia for Emergency Care covers all aspects of anaesthesia in an emergency setting, and is ideal for use in emergency departments and in emergency surgery.*

*An Evidence-based Approach*

*Anaesthesia and Critical Care Symposium*

*Paediatric Anaesthesia: Prepare for the FRCA*

*Neurosurgery, Neuroradiology & Neurocritical Care in Anaesthesia: Prepare for the FRCA*  
*50 Studies Every Intensivist Should Know*

Anesthesiology Critical Care Board Review fills a much-needed niche, not only in improving board examination test-taking skills but also as a tool for educating critical care physicians, anesthesiology practitioners, and advanced practice providers with the most relevant, up-to-date, state of the art considerations in critical care medicine. Content is specifically designed to prepare Anesthesiology and Emergency Medicine critical care fellows for the American Board of Anesthesiology Critical Care Medicine Certification Examination. The book offers diagnostic and therapeutic management considerations, divided into sections on technical aspects of critical care and organ systems, in a question-and answer format with clear, concise explanations and targeted references for each question.

Covering all four critical care board exams (anesthesiology, surgery, internal medicine, and neurology), Critical Care Medicine Review: 1000 Questions and Answers prepares you for exam success as well as clinical practice in today's ICU. This full-color, easy-to-use review tool provides challenging case studies, relevant images, multiple-choice board-style questions, rationales for correct and incorrect answers, and references for every question. Edited by instructors of anesthesia and critical care from Harvard Medical School and Massachusetts General Hospital, this comprehensive resource is an ideal study guide for critical care fellows, recertifying practitioners, and CCRNs.

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

This title presents key studies that have shaped the practice of critical care medicine. Selected using a rigorous methodology, the studies cover topics including: sedation and analgesia, resuscitation, shock, ARDS, nutrition, renal failure, trauma, infection, diabetes, and physical therapy

Cardiothoracic Anaesthesia and Critical Care: Prepare for the FRCA

From Daily Life to Clinical Practice

Oxford Textbook of Critical Care

Radiology for Anaesthesia and Intensive Care

Critical Care Medicine Review: 1000 Questions and Answers

Adult Critical Care Medicine

This eBook is one of 10 carefully selected collections of key articles from the Anaesthesia and Intensive Care Medicine journal - a continually updated, evidence-based learning resource, based on the RCOA Curriculum. It is ideal for trainees approaching a new sub-specialty and/or when preparing for the FRCA (or similar) exams. It will also prove an invaluable, authoritative refresher for life-long learning and CPD. Related MCQs are included to test your understanding.

This eBook is one of 10 carefully selected collections of key articles from the Anaesthesia and Intensive Care Medicine journal - a continually updated, evidence-based learning resource, based on the RCOA Curriculum. It is ideal for those progressing through their trainee years in intensive care medicine and for when preparing for exams. It will also prove an invaluable, authoritative refresher for life-long learning and CPD. Related MCQs are included to test your understanding.

This book, now in its 2nd edition, discusses, explains and provides detailed, up-to-date information on physics applied to clinical practice in anesthesiology and critical care medicine, with the aid of simple examples from daily life. Almost everything that happens around us, including in the operating room and intensive care units, can be explained by physical laws. An awareness and understanding of relatively simple laws such as the Hagen-Poiseuille equation, or of slightly more complex topics such as harmonic motion and electromagnetism, to name just a few, offer anesthesiologists and intensivists fascinating insights into why they do what they do. After an introductory chapter that brushes up on all the (few) mathematics the reader will need to face the book, with many practical examples and clinical applications, each of the following 20 chapters deals with some everyday phenomena, explains them with one or more physical laws, and shows why these laws are important in anesthesia and critical care practice. Many illustrations are included for extra clarity. This enriched and updated edition of Physics for Anesthesiologists is intended for anesthesiologists, intensivists, anesthesia and intensive care medicine teachers and trainees, as well as medical students.

This eBook is one of 9 carefully selected collections of key articles from the Anaesthesia and Intensive Care Medicine journal - a continually updated, evidence-based learning resource, based on the RCOA Curriculum. It will be an invaluable guide throughout the specialty training years and for when preparing for the FRCA (or similar) exams. It will also prove to be a helpful, authoritative refresher for life-long learning and CPD. Related MCQs are included to test your understanding.

Pharmacology for Anaesthesia and Intensive Care

The Beginner's Guide to Intensive Care

Key Articles from the Anesthesia and Intensive Care Medicine Journal

Basic and Advanced Sciences for Anaesthetic Practice: Prepare for the FRCA

Physics for Anesthesiologists and Intensivists

Handbook of Communication in Anaesthesia & Critical Care

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

The advent of small, affordable ultrasound machines and the widespread use of PACS systems have made imaging more accessible to anaesthetists and intensivists than ever before. This concise, highly illustrated text discusses the key aspects of radiology, examining all imaging modalities and body regions. Introductory sections review the imaging knowledge required for the FRCA exams and the role of

imaging in the Pre-Operative Assessment. These are followed by chapters on each imaging modality and body region, each containing numerous illustrations, practical advice on diagnosis, and many case illustrations. Each modality chapter contains a concise introductory section on the principles of image formation. Containing over 300 scans and illustrations, and written by a multidisciplinary team of radiologists and anaesthetists, *Radiology for Anaesthesia and Intensive Care*, second edition, is an invaluable aid for all anaesthetists and intensivists.

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 is an essential handbook that deals with most of the emergency situations which may occur during anaesthesia practice. It describes the presentation, differential diagnosis, investigations and immediate actions for a range of problems. Advice is practical and didactic, and many algorithms are included for ease-of-reference.

Anesthesiology Critical Care Board Review

Equipment in Anaesthesia and Critical Care

Key Articles from the Anaesthesia and Intensive Care

Medicine Journal

Recent Advances in Anaesthesia and Intensive Care: Volume 22

A Complete Guide for the Frca

An Encyclopedia of Principles and Practice

'...provides an excellent introduction to the management of acute illness for all clinical staff, and a solid foundation for those who choose to make ICM a fulfilling life-long career.' From the Foreword by Julian Bion, Professor of Intensive Care Medicine, University of Birmingham Ideal for any medic or health professional embarking upon an intensive care rotation or specialism, this simple bedside handbook provides handy, pragmatic guidance to the day-to-day fundamentals of working in an intensive care unit, often a daunting prospect for the junior doctor, nurse and allied health professional encountering this challenging environment for the first time. Thoroughly updated, the second edition addresses recent and future developments in a variety of areas and is now organised into easy-to-read sections with clearly outlined learning goals. New topics added include sepsis, ARDS, refractory hypoxia, the role of allied health professionals, post ICU syndrome and follow up, and consent and capacity including new DOLS guidance. The book is authored by world-renowned contributors and edited by established consultants in the field of intensive care medicine.

Evidence-based medicine is a concept that is at the forefront of anaesthesia. Clinicians are increasingly encouraged to practise patient management based on available evidence in the scientific literature. For example, new anaesthesia methods, e.g. regional anaesthesia, are being used more frequently based on case studies that show the efficacy and cost-savings associated with the treatment. Additionally, considering that many anaesthetists are required to cover a range of areas, information discussing proven methods as well as pitfalls to avoid are valuable to all those working in the field. This book provides a

detailed summary of the most important trials and studies in anaesthesia, ranging from neuroanaesthesia and anaesthesia for transplant, to paediatric and thoracic anaesthesia, allowing the reader to rapidly extract key results. Each chapter is written by a prominent anaesthetist in that particular field, and papers have been selected on a number of criteria, included impact factor, authors' choices, or even because the conclusions reached do not indicate best practice. With this wealth of information collected into this newest volume in the 'Landmark Papers in' series, Landmark Papers in Anaesthesia is essential reading for all practicing anaesthetists.

This clinical casebook provides a comprehensive yet concise state-of-the-art review of adult critical care medicine. Presented in a case-based format, each case focuses on a scenario commonly encountered with an adult patient in the ICU. Case scenarios include management of seizures and acute intracranial hypertension, sepsis, liver failure, brain death, bleeding and thrombosis, and treating hospital acquired infections in the ICU. Written by experts in the field, Adult Critical Care Medicine: A Clinical Casebook is a valuable resource for critical care specialists and practitioners who treat adult patients in critical care settings.

Manual of ICU Procedures is a comprehensive, step-by-step guide to intensive care procedures. The book is divided into five sections, including airway and respiratory; vascular and cardiac; neurological; gastrointestinal, abdominal, and genitourinary procedures. Enhanced by 428 colour images and illustrations, Manual of ICU Procedures is an ideal resource for all critical care professionals.

Anaesthesia for Emergency Care

Pre-Hospital Emergency Medicine E-Book: Prepare for the FRCA

Landmark Papers in Anaesthesia

The History of Anaesthesia

Essentials of Neurosurgical Anesthesia & Critical Care

Papers

*This eBook is one of 10 carefully selected collections of key articles from the Anaesthesia and Intensive Care Medicine journal - a continually updated, evidence-based learning resource, based on the RCOA Curriculum. It is ideal for trainees preparing for the FRCA (or similar) exams. It will also prove an invaluable, authoritative refresher for life-long learning and CPD. Related MCQs are included to test your understanding.*

*Advances in Critical Care Research and Application / 2012 Edition is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about Critical Care in a concise format. The editors have built Advances in Critical Care Research and Application / 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Critical Care in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Advances in Critical Care Research and Application / 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.*

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

*Anesthesiology Critical Care Board Review Oxford University Press*

*Practical Procedures in Anaesthesia and Critical Care*

*A Clinical Casebook*

*ScholarlyBrief*

*A Practical Guide to Exploring the Art*

*General and Advanced Duties in Anaesthesia: Prepare for the FRCA*

*Strategies for Prevention, Early Detection, and Successful Management of Perioperative Complications*

***Providing anesthesiology for liver surgery and especially liver transplantation is highly complex and requires profound expertise in the physiology and pathophysiology of liver disease. This new edition incorporates the latest information in the field and remains the only available book on the topic. It focuses on the practical aspect of liver anesthesiology and critical care, while providing a comprehensive and in depth summary of the knowledge in this field. Most liver transplant centers now have dedicated teams providing anesthesia care during liver transplantations. In the last years there has been a substantial increase in knowledge and improvement in techniques in anesthesiology and critical care of patients undergoing liver surgery and transplant patients. Liver Anesthesiology and Critical Care Medicine, 2nd Edition includes new chapters on chronic liver failure and hepatic cirrhosis, preoperative risk assessment, evidence in liver anesthesiology, the splanchnic and systemic circulation in liver disease and a special focus on analgesia for liver resection including regional techniques. Written for anesthesiologists and critical care physicians caring for patients undergoing liver surgery and transplantation, this book proves to be an essential companion and review book as the number of liver surgeries with higher complexity continue to increase.***

***Advances in Critical Care Research and Application: 2012 Edition***

***Critical Care Sedation***

***Issues in Critical and Emergency Medicine: 2011 Edition***

***Intensive Care Medicine: Prepare for the FRCA E-Book***

***ICU Quick Drug Guide***