

The Esc Textbook Of Intensive And Acute Cardiovascular Care The European Society Of Cardiology Textbooks

This guide is directed at the multi-disciplinary team dealing with cardiac rehabilitation. It is a practical handbook for everyday professionals on what they should do following cardiac events and return to work. It is adapted to the needs of cardiac rehabilitation centers. · Key publication from the European Association of Preventive Cardiology (EAPC) · Companion handbook to The ESC Handbook of Preventive Cardiology: Putting Prevention into Practice This handbook is directed at cardiologists in training and practice, specialist (cardiac) nurses, technicians, exercise physiologists and other healthcare professionals involved in the multidisciplinary process of cardiac rehabilitation · Practical user-friendly handbook style presentation · Covers the complete spectrum of rehabilitation care · Key team members address key issues - smoking, diet and physical activity · Focus on high risk patients (family approach)

This new third edition of The ESC Textbook of Cardiovascular Medicine is a ground breaking initiative from the European Society of Cardiology that is transforming reference publishing in cardiovascular medicine in order to better serve the changing needs of the global cardiology community. Providing the evidence-base behind clinical practice guidelines, with in-depth peer-reviewed articles and broad coverage of this fast-moving field, both the print and digital publication are invaluable resources for cardiologists across the world. Overseen by Professors A. John Camm, Thomas F. Lüscher, Patrick W. Serruys, and Gerald Maurer, supported by an editorial board of subject experts, and more than 900 of the world's leading specialists from research and the clinic contributing, this dynamic encyclopaedic resource covers more than 63 disciplines within cardiology. Split into six key parts; Introduction to the cardiovascular system; Investigations; Heart diseases; Vascular disease; Special populations, and Other aspects of cardiology, providing readers with a trustworthy insight into all aspects of cardiovascular medicine. To respond nimbly to the rapid evolution of the field the digital publication, ESC CardioMed, is continuously updated by the author teams. With expert editors and authors, and stringent peer-review, the publication combines the discoverability of digital with the highest standards of academic publishing. Highly illustrated with embedded multi-media features, along with cross-referenced links to ESC Clinical Practice Guidelines, related content and primary research data in European Heart Journal, as well as all other major journals in the field, ESC CardioMed provides users with the most dynamic and forward thinking digital resource at the heart of cardiology. As a consistently evolving knowledge base, the ESC Textbook of Cardiovascular Medicine 3e together with the online counterpart ESC CardioMed, equips all those, from trainees and consultants, to device specialists and allied healthcare professionals with a powerful, multifaceted resource covering all aspects of cardiovascular medicine.

The ESC Textbook of Intensive and Acute Cardiovascular Care is the official textbook of the Acute Cardiovascular Care Association (ACVC) of the ESC. Cardiovascular diseases (CVDs) are a major cause of premature death worldwide and a cause of loss of disability-adjusted life years. For most types of CVD early diagnosis and intervention are independent drivers of patient outcome. Clinicians must be properly trained and centres appropriately equipped in order to deal with these critically ill cardiac patients. This new updated edition of the textbook continues to comprehensively approach all the different issues relating to intensive and acute cardiovascular care and addresses all those involved in intensive and acute cardiac care, not only cardiologists but also critical care specialists, emergency physicians and healthcare professionals. The chapters cover the various acute cardiovascular diseases that need high quality intensive treatment as well as organisational issues, cooperation among professionals, and interaction with other specialities in medicine. SECTION 1 focusses on the definition, structure, organisation and function of ICCU's, ethical issues and quality of care. SECTION 2 addresses the pre-hospital and immediate in-hospital (ED) emergency cardiac care. SECTIONS 3-5 discuss patient monitoring, diagnosis and specific procedures. Acute coronary syndromes (ACS), acute decompensated heart failure (ADHF), and serious arrhythmias form SECTIONS 6-8. The main other cardiovascular acute conditions are grouped in SECTION 9. Finally SECTION 10 is dedicated to the many concomitant acute non-cardiovascular conditions that contribute to the patients' case mix in ICCU. This edition includes new chapters such as low cardiac output states and cardiogenic shock, and pacemaker and ICDs: troubleshooting and chapters have been extensively revised. Purchasers of the print edition will also receive an access code to access the online version of the textbook which includes additional figures, tables, and videos to better to better illustrate diagnostic and therapeutic techniques and procedures in IACC. The third edition of the ESC Textbook of Intensive and Acute Cardiovascular Care will establish a common basis of knowledge and a uniform and improved quality of care across the field. Now in its second edition, the ESC Textbook of Cardiovascular Imaging continues to supply the reader with extensive coverage of all the cardiovascular imaging modalities. This is a clinically orientated reference guide ideal for cardiologists and radiologists alike. This textbook puts theory into practice by demonstrating how cardiovascular imaging techniques are used in the diagnosis of cardiovascular diseases, with extensive high quality images that supplement the text. Written by experienced professionals specialising in cardiovascular imaging, and edited by a distinguished team of experts, the textbook offers the reader an informed and up to date account of the field. It is ideal for specialist cardiovascular image practitioners, general cardiologists, and trainees, as well as radiologists.

This print edition of The EACVI Textbook of Echocardiography comes with a DVD and access to the online version on Oxford Medicine Online, for as long as

the edition is published by Oxford University Press. 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. This fully updated second edition of the official textbook of the European Association of Cardiovascular Imaging serves the educational requirements of cardiologists and all clinical medical professionals in echocardiography. It is fully-aligned with EACVI goals and reflects the core European syllabus. Published in partnership with the European Society of Cardiology and written by a team of expert authors, this textbook is a valuable resource on echocardiography and for accreditation through the EACVI. With its thorough and instructive text complemented by more than 500 full colour images and 200 videos online and as a separate DVD, The EACVI Textbook of Echocardiography is a one-stop, authoritative resource on echocardiography. The ESC Textbook of Cardiovascular Imaging 3e provides extensive coverage of all cardiovascular imaging modalities. Produced in collaboration with the European Association of Cardiovascular Imaging (affiliate of the European Society of Cardiology) with contributions from specialists across the globe and edited by a distinguished team of experts.

Acute cardiac problems often need quick, appropriate diagnosis and treatment. With the increasing complexity and rapidly changing nature of available therapies, knowing which to use and when can be difficult. This book provides an easily accessible guide to diagnosing and managing acute cardiovascular problems.

The book serves as a first introduction to computer programming of scientific applications, using the high-level Python language. The exposition is example and problem-oriented, where the applications are taken from mathematics, numerical calculus, statistics, physics, biology and finance. The book teaches "Matlab-style" and procedural programming as well as object-oriented programming. High school mathematics is a required background and it is advantageous to study classical and numerical one-variable calculus in parallel with reading this book. Besides learning how to program computers, the reader will also learn how to solve mathematical problems, arising in various branches of science and engineering, with the aid of numerical methods and programming. By blending programming, mathematics and scientific applications, the book lays a solid foundation for practicing computational science. From the reviews: Langtangen ... does an excellent job of introducing programming as a set of skills in problem solving. He guides the reader into thinking properly about producing program logic and data structures for modeling real-world problems using objects and functions and embracing the object-oriented paradigm. ... Summing Up: Highly recommended. F. H. Wild III, Choice, Vol. 47 (8), April 2010 Those of us who have learned scientific programming in Python 'on the streets' could be a little jealous of students who have the opportunity to take a course out of Langtangen's Primer." John D. Cook, The Mathematical Association of America,

September 2011 This book goes through Python in particular, and programming in general, via tasks that scientists will likely perform. It contains valuable information for students new to scientific computing and would be the perfect bridge between an introduction to programming and an advanced course on numerical methods or computational science. Alex Small, IEEE, CiSE Vol. 14 (2), March /April 2012 "This fourth edition is a wonderful, inclusive textbook that covers pretty much everything one needs to know to go from zero to fairly sophisticated scientific programming in Python..." Joan Horvath, Computing Reviews, March 2015

Pediatric and Congenital Cardiology, Cardiac Surgery and Intensive Care provides a consistent and comprehensive approach to multiple congenital and acquired cardiac pathologies pre, peri and postoperatively, with the use of algorithms, guidelines and current research issues. Included with the e-reference are interactive videos with the most common interventions, online access to practical learning activities, and to the comprehensive Aristotle score and database. This reference work satisfies the need for a universal and practical review of management of critically ill children and adults with congenital heart disease, based upon taskforce decisions and the cumulative experience of the world leaders in the field.

The ESC Handbook of Preventive Cardiology is a 'how-to' manual for busy healthcare professionals. Complementing the 2012 Joint European Guidelines on cardiovascular disease prevention and in line with recommendations from the European Association of Preventive Cardiology and it is an invaluable source of tools and skills to assist with the delivery of effective cardiovascular disease prevention. While acknowledging that cardiovascular disease prevention efforts must be complemented by societal and community based strategies, this handbook focuses on practical strategies that can be used in clinical settings. Concise and easily accessible, it guides readers through the patient and family pathway - from patient identification, recruitment of the patient and family, assessing lifestyle and risk factors, to managing lifestyle change, reducing risk factors, and compliance with cardio-protective drug therapies. Information on how to deliver a health promotion workshop programme and run a supervised exercise programme is also included. Previously published as Preventive Cardiology: A practical manual and now fully revised and updated and packed with checklists and diagrams, such as risk estimation charts, The ESC Handbook of Preventive Cardiology helps health workers contribute in real and practical ways to the prevention of atherosclerotic cardiovascular disease. This print edition of The ESC Handbook of Preventive Cardiology, Putting Prevention into Practice comes with access to the online version on Oxford Medicine Online, for as long as the edition is published by Oxford University Press. 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.

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This is the second edition of a graduate level real analysis textbook formerly published by Prentice Hall (Pearson) in 1997. This edition contains both volumes. Volumes one and two can also be purchased separately in smaller, more convenient sizes.

Covering both principles and practice, The ESC Textbook of Preventive Cardiology is a 'state of the art' resource for both the primary and secondary prevention of atherosclerotic cardiovascular disease. Comprehensive, practical and extensively linked to practice guidelines and recommendations from the European Association of Preventive Cardiology (EAPC) it clearly connects the latest evidence base to strategies and proposals for the implementation of prevention in clinical practice. With a strong clinical focus the topics covered range from epidemiology and risk stratification through psychological factors, behaviour and motivation to secondary prevention, integrating hospital-based and community care for cardiovascular disease prevention and information on cardio-protective drugs. Case studies, clinical decision-making trees and drug tables with recommended doses and potential side-effects make it easier than ever to implement treatments in practice. Drawing together current knowledge and evidence, and examining all aspects of preventive cardiology in one succinct volume, The ESC Textbook of Preventive Cardiology is the ideal guide for the physician and allied health professional working to prevent and treat cardiovascular disease in their daily practice. This print edition of The ESC Textbook of Preventive Cardiology comes with access to the online version on Oxford Medicine Online, for as long as the edition is published by Oxford University Press. 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.

This is the second volume of essays and articles on enlightenment and the Enlightenment Intensive from the archive of Charles Berner. It spans the years from 1969 through 2005. I heard Berner say many times that his understanding of Truth evolved as his meditation experiences unfolded. He would advise "If you want to understand what I understands now, then you should look to my latest writings." These essays are placed in a chronological order so you can appreciate the evolution of his understanding. The book begins with a Forward written by Edrid who began his studies with Berner in the early 1960's. Edrid's first-hand recollections of Berner's universe and the beginning formulation of the Enlightenment Intensive is insightful and revealing. Chapter 1 is an article that first appeared in 1969. It is one of Berner's earliest writings on the subject of self enlightenment and the Enlightenment Intensive. Chapter 2, What Is and Is Not Enlightenment, was the first chapter of The Transmission of Truth, published in 1977. Chapter 3 is a first-person account of the experiences of a fictitious individual, Alan B. Dow, who attends an Enlightenment Intensive for the first time. Chapter 4, entitled, Charles in Enlightenment Land was originally a lecture given at an Enlightenment Intensive in the 1970's. Chapter 5, Levels of Enlightenment

and Advice On How To Do The Enlightenment Technique, was also a lecture that Berner gave during a long Enlightenment Intensive in the early 1970's.

Enlightenment is the title of Chapter 6. It is excerpted from the 2005 book, Consciousness of Truth. Bill Savoie wrote the final chapter entitled, About Charles Berner. In his essay Bill shares his experience and insights about Charles Berner and those early days from which the Enlightenment Intensive was formed.

Written by internationally renowned leaders in their field and relevant to all practicing clinicians, this textbook comprehensively covers all aspects of heart failure, and suggests the optimal evidence-based management for heart failure patients.

Concise, fact-based and packed with images and illustrations The EACVI Echo Handbook is the perfect companion for making both every day and complex clinical decisions. Designed and written by leading experts in the field of echocardiography for use in the clinical arena, this practical handbook provides the necessary information for reviewing, or consulting while performing or reporting on an echo or making clinical decisions based on echo findings.

Disease-focussed and succinct, it covers the information needed to accurately perform and interpret echocardiograms, including how to set up the echo-machine to optimize an examination and how to perform echocardiographic disease assessment; the clinical indicators, procedures and contraindications.

Linked to EACVI recommendations and the EACVI Core Curriculum The EACVI Echo Handbook is an essential and easily accessible manual on using echocardiography for sonographers and trainee cardiologists that should never be left behind when performing an echocardiogram.

The ESC Textbook of Intensive and Acute Cardiovascular Care Oxford University Press, USA

The EHRA Book of Interventional Electrophysiology is the second official textbook of European Heart Rhythm Association (EHRA). Using clinical cases to encourage practical learning, this book assists electrophysiologists and device specialists in tackling both common and unusual situations that they may encounter during daily practice. Richly illustrated, and covering electrophysiological procedures for supra-ventricular and ventricular arrhythmias, the book enables specialists to deepen their understanding of complex concepts and techniques. Tracings, covering supra-ventricular and ventricular arrhythmias, are presented with multiple-choice questions to allow readers to hone their skills for interpreting challenging cases and to prepare for the EHRA certification exam in electrophysiology. Cases include Orthodromic AVRT, PV Isolation, VT ablation, and Atypical left atrial flutter to name a few. The EHRA Book of Interventional Electrophysiology is a wide-ranging, practical case-book, written by leading experts in the field and edited by members of the EHRA education committee: an essential companion for electrophysiologists and trainees alike. This completely updated and revised new edition is specially written for qualified

nurses working in intensive care nursing units. Fully comprehensive and developed to be as accessible as possible it contains four new chapters with valuable new and updated clinical scenarios to aid learning. Intensive Care Nursing is structured in user-friendly sections. Each chapter contains 'fundamental knowledge' needed to understand the chapter, an introduction, 'implications for practice', a chapter summary, completely updated further reading, 'time out' sections for revision and a clinical scenario with questions included. This second edition has been fully developed and reviewed by practitioners and teachers, as well as a senior pharmacist and covers: patient-focused issues of bedside nursing the technical knowledge necessary to care safely for ICU patients the more common and specialized disease processes and treatments encountered how nurses can use their knowledge and skills to develop their own and others' practice. A support website at www.routledge.com/textbooks/0415373239 links to other important sites, gives answers to the clinical scenario questions and provides a forum for discussion of important clinical issues. Written by a practice development nurse with a strong clinical background in intensive care nursing and experience of teaching nursing, Intensive Care Nursing is essential reading for nurses and health professionals working with high dependency patients.

Intensive care unit (ICU) teams have traditionally focused on short term goals, however, recent research demonstrates that many ICU survivors can suffer from ill health and mental health issues for months or years to follow. The book identifies the long term outcomes of ICU and the steps that can be taken to improve patients' health and wellbeing.

Part of the European Society of Cardiology series, the ESC Textbook of Cardiovascular Nursing provides in depth learning for nurses specialising in caring for patients with coronary heart disease, heart failure, valvular disease, arrhythmias, congenital heart disease and inherited cardiovascular conditions. The textbook builds on the ESC Core Curriculum for the Continuing Professional Development of Nurses Working in Cardiovascular Care. There are fifteen chapters written by experts in the field. The pathology of coronary heart disease, heart failure, valvular disease, arrhythmias, congenital heart disease and inherited cardiovascular conditions are all discussed in great detail. Whilst tailoring nursing assessment and interventions to the care of patients with heart disease, the textbook emphasises high quality holistic care taking account of the needs of patients with complex comorbidities, as well as their families. The imperative of prevention and rehabilitation in terms of both primary and secondary prevention is described as well as educational, behavioural and therapeutic interventions. The epidemiology of cardiovascular disease is covered including disease burden and inequalities across European regions. Chapters devoted to education and communication and pharmacology are also included and the book concludes with a chapter which discusses the future challenges and opportunities for nurses in addition to the evolution of nursing in

cardiovascular care. The target readership of the textbook are nurses entering cardiovascular specialisation and university students undertaking specialist courses in cardiovascular care. The hope of the editors is that the textbook inspires readers to ask questions, search for answers and become the best cardiovascular nurses they can be. There is a strong body of evidence showing that educational provision for nurses increases patient safety and saves lives, the ESC Textbook of Cardiovascular Nursing aims to be an essential part of this provision.

Fully revised and updated for the second edition, the Oxford Handbook of Cardiac Nursing is the ultimate companion for all those caring for cardiac patients. Systematically covering all the main areas of cardiac nursing, it is packed full of clinical information and practical advice. This new edition now includes expanded information on prevention of cardiovascular disease and heart disease in pregnancy, as well as the latest resuscitation guidelines, protocols, and clinical information. The handbook covers assessment, investigation, treatment, rehabilitation, and pharmacological interventions, and new illustrations and diagrams have been added throughout to aid clarity of information. Although a large part of the handbook focuses on caring for patients with coronary heart disease, many other cardiovascular problems such as valvular heart disease, congenital heart disease, and cardiomyopathies are covered. Designed to be used on the ward, in the community, and for studying and revision, it contains expert guidance, written by experienced nurses and teachers. The book is specifically laid out to enable quick access to precise, targeted information, and covers the vast majority of clinical scenarios. Unique and indispensable, the Oxford Handbook of Cardiac Nursing offers a wealth of information at your fingertips.

Atherosclerosis is the most significant cause of cardiovascular disease worldwide. Vascular biology is the key to understanding how atherosclerosis arises and operates. The ESC Textbook of Vascular Biology is a rich and clearly laid-out guide by leading European scientists providing comprehensive information on vascular physiology, disease, and research. The textbook covers molecular findings and novel targets within the speciality while also providing the basics of vascular biology and disease pathophysiology. It also covers the major changes in the diagnosis, prevention and treatment of atherosclerosis that have occurred in recent years, developments and recent breakthroughs in the field are specifically highlighted. The official publication of the ESC Working Group on Atherosclerosis and Vascular Biology, this print edition comes with access to the online version on Oxford Medicine Online, for as long as the edition is published by Oxford University Press. 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 textbook is also linked to the ESC's online learning platform (ESCell) and their core specialist training curriculum (ESC Core Curriculum). The textbook

particularly appeals to vascular biologists, cardiologists, and other practising clinicians.

This comprehensively covers everything from pathophysiology to the evaluation of patients presenting with heart failure to medical management, device therapy, heart transplantation and mechanical circulatory support, and include relevant cardiac imaging studies such as echocardiograms and magnetic resonance imaging studies which could be seen in their entirety as well as pathology slides, hemodynamic tracings and videos of cardiac surgery such as heart transplants and ventricular assist device implantation. Finally, the book would have videos of patients with heart failure, heart transplants or ventricular assist devices, describing their clinical presentation and experiences. It is structured so that it can be used as a guide by physicians studying for the general Cardiology or Advanced Heart Failure and Cardiac Transplantations Boards.

This highly comprehensive and informed textbook has been prepared by the Cardiovascular Magnetic Resonance section of the European Society of Cardiology association on imaging, the EACVI. The EACVI Textbook of Cardiovascular Magnetic Resonance is the authority on the subject. The textbook is aligned with ESC Core Curriculum and EACVI Core Syllabus for CMR. It is a practical resource and provides a disease orientated outlook on the subject. Structured with thirteen clear and detailed sections, ranging from Physics to Methodology, and featuring specific sections on ischemic heart disease, myocardial disease, pericardial disease, and congenital heart disease and adult congenital heart disease, The EACVI Textbook of Cardiovascular Magnetic Resonance provides extensive knowledge across the entire subject area in CMR. Beautifully illustrated and physical principles enriched with schematic animations, the textbook is advanced further with key video content based on clinical cases. Written by leading experts in the field from across the world, the textbook aims to summarise the existing research and clinical evidence for the various CMR indications and provide an invaluable resource for cardiologists and radiologists across the board. The textbook is ideal for cardiologists and radiologists new to the field of Cardiovascular Magnetic Resonance, those preparing for ESC certification in CMR, and those established in the field wishing to gain a deep understanding of CMR. Online access to the digital version is included with purchase of the print book, with accompanying videos referenced within the text available on Oxford Medicine Online.

A comprehensive resource for cardiologists and trainees in the intensive care and acute cardiac care setting, this textbook has a strong clinical focus and consistent format with full colour illustrations throughout. A complementary online version contains additional images, videos, and MCQs for CME.

Cardiac Surgery Essentials for Critical Care Nursing, Third Edition is an indispensable resource for new and experienced nurses caring for patients in critical care units immediately following cardiac surgery and in the transitioning to home. With an evidence-based foundation, the Third Edition addresses nursing knowledge to meet the

needs of acutely ill patients and strategies to optimizing patient outcomes in this dynamic field. Vital information has been added and updated to reflect significant changes in cardiac surgery as well as four new chapters based on needs of patients, families, and readers. These new chapters address nutritional issues, post ICU-care, psychological and spiritual support, and rehabilitation care post cardiac surgery. The high-level language of R is recognized as one of the most powerful and flexible statistical software environments, and is rapidly becoming the standard setting for quantitative analysis, statistics and graphics. R provides free access to unrivalled coverage and cutting-edge applications, enabling the user to apply numerous statistical methods ranging from simple regression to time series or multivariate analysis. Building on the success of the author's bestselling *Statistics: An Introduction using R*, *The R Book* is packed with worked examples, providing an all inclusive guide to R, ideal for novice and more accomplished users alike. The book assumes no background in statistics or computing and introduces the advantages of the R environment, detailing its applications in a wide range of disciplines. Provides the first comprehensive reference manual for the R language, including practical guidance and full coverage of the graphics facilities. Introduces all the statistical models covered by R, beginning with simple classical tests such as chi-square and t-test. Proceeds to examine more advance methods, from regression and analysis of variance, through to generalized linear models, generalized mixed models, time series, spatial statistics, multivariate statistics and much more. *The R Book* is aimed at undergraduates, postgraduates and professionals in science, engineering and medicine. It is also ideal for students and professionals in statistics, economics, geography and the social sciences. Using a multidisciplinary, team-oriented approach, this unique title expertly covers all the latest approaches to the assessment, diagnosis, and treatment of patients with critical cardiac illness. Led by Dr David L. Brown, a stellar team of authoritative writers guides you through cardiac pathophysiology, disease states presenting in the CICU, and state-of-the-art advanced diagnosis and therapeutic techniques. A visually appealing format, new chapters, and thorough updates ensure that you stay on the cutting edge of this rapidly advancing field. Discusses recent changes in cardiac intensive care, including new care paradigms, new mechanical support modalities, and new therapies and interventions. Contains 11 new chapters: Palliative Care, Temporary Pacemaker Insertion, Pericardiocentesis, Distributive Shock, Electrical Storm, Cardiopulmonary Cerebral Resuscitation after Cardiac Arrest, Temporary Mechanical Circulatory Support Devices, Cardiorenal Syndrome, Fulminant Myocarditis, Stress-Induced Cardiomyopathy, Diagnosis and Treatment of Unstable Supraventricular Tachycardia. Concisely yet thoroughly covers acute and severe heart failure, chronic pulmonary hypertension, life-threatening dysrhythmias, aortic dissection, and other cardiac conditions as they relate to intensive care. Explains drug therapy for key cardiac drugs, such as inotropes, vasodilators, anti-arrhythmics, diuretics, anticoagulants, and anti-platelets, and discusses important drug interactions. Ideal for all healthcare professionals involved in cardiac intensive care, including intensivists, cardiologists, cardiac surgeons, residents, fellows, cardiac nurses, respiratory therapists, physical therapists, and nutritionists. Now in paperback, the second edition of the *Oxford Textbook of Critical Care* addresses all aspects of adult intensive care management. Taking a unique problem-

orientated approach, this is a key resource for clinical issues in the intensive care unit. The EAE Textbook of Echocardiography is the official textbook of the European Association of Echocardiography (EAE). It serves the educational requirements of cardiologists and all clinical medical professionals, underpinning the structural training in the field in accordance with EAE aims and goals, and reflecting the EAE Core Syllabus. Published in partnership with the European Society of Cardiology, and written by a team of expert authors from across Europe, The EAE Textbook of Echocardiography is a valuable resource to support not only those with an interest in echocardiography, but specifically those seeking the information needed for accreditation and training through the EAE. The textbook is in full colour throughout and contains over 500 high quality illustrations. The online version of The EAE Textbook of Echocardiography contains the full text of the print edition (which can be browsed by the contents list, the index, or searched), links from references in the text to external sources (via PubMed, ISI, and CrossRef), and all figures and illustrations from the print edition, downloadable into PowerPoint. In addition, the online version also provides multiple-choice questions, approved by the by the European Association of Echocardiography (EAE), as well as 140 additional high-quality videos of procedures and techniques, exclusive to the online edition.

Winner of a HIGHLY COMMENDED AWARD in the Surgical specialties category of the 2011 BMA Medical Book Competition. Key Questions in Cardiac Surgery will systematically cover all the main topics involved in the current practice of a cardiac surgeon. It will incorporate current guidelines for practice (such as from the American Heart Association and European Society of Cardiology) and up-to-date information based on current literature. The data and body of knowledge presented in this book are strictly evidence-based which makes it ideal as a revision aid for residents/registrars undertaking their Cardiothoracic Surgery Board examinations around the world. Although these examinations vary in format in different countries, this book is applicable to all cardiothoracic surgical trainees. Its concise, yet complete coverage of the important topics, make it the ideal guide to answer the key questions in cardiac surgery that are asked within the confines of an examination. Cardiologists, cardiothoracic intensive care unit specialists, nursing staff, physiotherapists and other professions allied to medicine, both surgical and cardiological, will also find the book useful in terms of the indications and surgical management of these patients, as they are integral to the cardiac surgical process.

Sports and exercise have been intensely advocated as protective lifestyle measures which prevent or reduce the risk of severe health issues, including cardiovascular disease. More extreme forms of sports (for instance at high altitudes) have been identified as an important way of promoting cardiovascular adaptation, but have also been associated with adverse effects and even major cardiovascular events in predisposed individuals. Participating in more commonplace sports and exercise, such as football, may also increase a person's risk of cardiac events. This publication is timely in the light of a burgeoning number of clinical papers in the field. The ESC Textbook of Sports Cardiology provides an overview of the detection and treatment of cardiovascular disease in elite athletes and young sports professionals in training, as well as prevention. It will be useful for clinical cardiologists, sports physicians, and general physicians alike. Split into 11 key areas in sports cardiology, ranging from

sudden cardiac death in athletes to the most common cardiovascular abnormalities seen in athletes, and to the effects of substance abuse and doping, the text is an invaluable resource covering all aspects of sports cardiology. Access to the digital version of the textbook is included with purchase of the printed version. Highly illustrated with embedded multimedia features, together with cross-referenced links to related content and primary research data in major journals in the field, the digital version provides users with a dynamic and forward-thinking resource. The ESC Textbook of Sports Cardiology is the second textbook from the European Association of Preventive Cardiology (EAPC) and aligns with ESC clinical practice guidelines and EAPC recommendations and position papers.

A definitive resource, The ESC Textbook of Cardiovascular Imaging, second edition provides extensive coverage of all cardiovascular imaging modalities. Produced in collaboration with the European Association of Cardiovascular Imaging with contributions from specialists across the globe and edited by a distinguished team of experts, it is a 'state of the art' clinically-orientated imaging reference. Now fully revised and updated with the latest imaging techniques and technology and covering even more conditions than before, it not only discusses the principles of individual modalities but also clearly demonstrates the added value each technique can bring to the treatment of all cardiac diseases. Richly illustrated with colour figures, images, and tables and using a wealth of newly available evidence to link theory to practice, it demonstrates how these techniques can be used in the diagnosis of a range of cardiovascular diseases. Learning how to apply them in practice is made easy with free access to videos and imaging loops online along with the full text so that it is always available, even when on the move. Impressive in scope, The ESC Textbook of Cardiovascular Imaging contains information on cutting-edge technical developments in echocardiography, CT, CMR and hybrid imaging and well imaging's current role in cardiac interventions, such as identifying cardiac structures, helping to guide procedures and exclude possible complications. The application of imaging modalities in conditions such as valvular and coronary heart disease, heart failure, cardiomyopathies, peri-myocardial disease, adult congenital heart disease and aortic disease, is also extensively considered. From discussion on improved imaging techniques and advances in technology, to guidance and explanation of key practices and theories, this new edition of The ESC Textbook of Cardiovascular Imaging is the ideal reference guide for cardiologists and radiologists alike. This print edition of The ESC Textbook of Cardiovascular Imaging comes with access to the online version on Oxford Medicine Online, for as long as the edition is published by Oxford University Press. 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 official textbook of the Acute Cardiovascular Care Association (ACCA). The chapters cover the various acute cardiovascular diseases that need high quality intensive treatment. The ESC Textbook of Intensive and Acute Cardiovascular Care is the official textbook of the Acute Cardiovascular Care Association (ACCA) of the ESC. This new updated edition continues to comprehensively approach all the different issues relating to intensive and acute cardiovascular care. The textbook is addressed to all those involved in intensive and acute cardiac care, from cardiologists to emergency

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physicians and healthcare professionals. The chapters cover the various acute cardiovascular diseases that need high quality intensive treatment, but also organisational issues, cooperation among professionals, and interaction with other specialities in medicine. The largest section of the textbook is devoted to non-cardiac disease which could acutely involve the cardiovascular system. Other noteworthy chapters are on ethical issues - which are so important in acute cardiac care, such as patient safety, donor organ management and palliative care. A unique characteristic of the textbook is the presence of a whole section devoted to biomarkers, which underline the growing importance of laboratory medicine in the field of intensive and acute cardiac care. A particular asset of the textbook is the digital version available on Oxford Medicine Online, which has additional online features including an extra chapter on lung ultrasound and many more images and videos, as well as a full list of references from all chapters. The online version is updated by the same authors on a yearly basis and is available with the print version and separately on a subscription basis, allowing easy access to content in digital and mobile optimised format. The textbook aligns directly with the core training curriculum for ACCA.

"EACPR, European Association for Cardiovascular Prevention and Rehabilitation -- European Society of Cardiology."

Now in vibrant full color throughout, Rogers' Textbook of Pediatric Intensive Care, 5th Edition, continues its tradition of excellence as the gold standard in the field. For more than 25 years, readers have turned to this comprehensive resource for clear explanations of both the principles underlying pediatric critical care disease and trauma as well as how these principles are applied in clinical practice. In the 5th Edition, more than 250 global contributors bring you completely up to date on today's understanding, treatments, technologies, and outcomes regarding critical illness in children.

An essential companion for both the aspiring and practising electrophysiologist, The EHRA Book of Pacemaker, ICD and CRT Troubleshooting assists device specialists in tackling both common and unusual situations that they may encounter during daily practice. Taking a case-based approach, it examines pacemakers, implantable cardioverter defibrillators and cardiac resynchronisation therapy. Much more than just a technical manual of device algorithms, the cases help readers to consolidate their technical knowledge, and improve their reasoning and observation skills so they are able to tackle device troubleshooting with confidence. The 70 cases are arranged in three sections by increasing levels of difficulty to walk readers through all the skills and knowledge they need in an easy to use and structured format. Each case contains a short clinical description and a device tracing followed by a multiple choice question. Answers are supplied with detailed annotations of the tracing and an in-depth discussion of the case, highlighting practical hints and tips as well as providing an overview of the technical function of devices. A useful summary of principal device features and functions is also included. The EHRA Book of Pacemaker, ICD and CRT Troubleshooting is the perfect companion for electrophysiologists, cardiology trainees and technical consultants working with device patients as well as for those studying for the EHRA accreditation exam in cardiac pacing.

This highly illustrated textbook has been prepared by the Working Group on Development, Anatomy and Pathology of the European Society of Cardiology (ESC). The ESC Textbook of Cardiovascular Development is the authority on cardiovascular

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development from a perspective of both basic scientists and clinicians. The embryonic origin of congenital heart diseases and their pathology has been analysed in depth. Modern concepts pivotal to the understanding of cardiovascular morphogenesis, including those still subject to controversy, have been highlighted and the content covers the ESC Core Curriculum. The textbook will appeal to researchers and clinicians from a wide spectrum of disciplines including molecular and developmental biologists working on mechanisms of heart development in a range of model organisms as well as pathologists, morphologists, geneticists, and cardiologists.

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