

The Cardiac Catheterization Handbook

The Interventional Cardiac Catheterization Handbook-Morton J. Kern 2017-08-01 Packed with useful information, The Interventional Cardiac Catheterization Handbook, 4th Edition, by Drs. Morton J. Kern, Michael J. Lim, and Paul Sorajja, is the perfect hands-on resource for physicians, nurses, and technicians who need to understand and perform these complex procedures. Easy-to-read text, hundreds of clear images, and narrated videos from Dr. Kern ensure that health care workers at all levels have quick access to easily accessible guidelines on procedures and patient care. Features a wealth of quick-reference tables, more than 500 images, and an expanded collection of high-quality videos - making this handbook a must-have reference for physicians and staff members in every cath lab. Includes a chapter dedicated to interventional pharmacology. Expert ConsultT eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, videos, and references from the book on a variety of devices. Includes new content on correction of mitral regurgitation with Mitra ClipT, enhanced coverage of aortic valve stenosis with TAVR, expansion of biodegradable and drug-eluting stents, enhanced descriptions of lesion assessment, chronic total occlusion intervention, and radial access approach to intervention. Covers the latest treatment of mitral valve regurgitation and mitral stenosis, new procedural enhancements for the treatment of aortic valve stenosis, and chronic total occlusion intervention technique updates.

Cardiac Catheterization Handbook-Morton J. Kern 2015-08-12 Preceded by The cardiac catheterization handbook / edited by Morton J. Kern.

The Interventional Cardiac Catheterization Handbook E-Book-Morton J. Kern 2017-05-02 Packed with useful information, The Interventional Cardiac Catheterization Handbook, 4th Edition, by Drs. Morton J. Kern, Michael J. Lim, and Paul Sorajja, is the perfect hands-on resource for physicians, nurses, and technicians who need to understand and perform these complex procedures. Easy-to-read text, hundreds of clear images, and narrated videos from Dr. Kern ensure that health care workers at all levels have quick access to easily accessible guidelines on procedures and patient care. Features a wealth of quick-reference tables, and more than 500 images - making this handbook a must-have reference for physicians and staff members in every cath lab. Includes a chapter dedicated to interventional pharmacology. Includes new content on correction of mitral regurgitation with Mitra ClipTM, enhanced coverage of aortic valve stenosis with TAVR, expansion of biodegradable and drug-eluting stents, enhanced descriptions of lesion assessment, chronic total occlusion intervention, and radial access approach to intervention. Covers the latest treatment of mitral valve regurgitation and mitral stenosis, new procedural enhancements for the treatment of aortic valve stenosis, and chronic total occlusion intervention technique updates.

Kern's Cardiac Catheterization Handbook-Paul Sorajja 2019-10-31 For portable, quick access to information needed at the point of care in today's cath lab, look no farther than Kern's Cardiac Catheterization Handbook, 7th Edition. This detailed, authoritative guide is ideal for cardiologists who need a quick clinical primer on cardiac catheterization, as well as for all members of the cardiac cath team. Highly readable and accessible, it helps you provide optimal patient care with reliable information on the latest diagnostic and treatment advances in this fast-paced field. Provides clear instructions on what to expect, what to avoid, and how to manage complications for every procedure you'll encounter - including coverage of new techniques and technologies that affect virtually all aspects of familiar procedures. Covers all the newest catheterization techniques for vascular closure and expansion of large-bore access procedures, including TAVR, ECMO, mitraclip, and TMVR. Features a new chapter on intracardiac echocardiography and intraprocedural imaging. Discusses key topics such as intra-procedural imaging, management of complications with algorithms that expedite the approach to these patients, adjunctive hemodynamic support, and maintaining quality in the laboratory. Incorporates an increased emphasis on indications and contraindications for procedures in the context of a multidisciplinary heart team approach. Includes numerous clear illustrations to enhance your understanding of the material, as well as videos of Dr. Kern demonstrating various procedures in the cath lab. Enhanced eBook version included with purchase. Your enhanced eBook allows you to access all of the text, figures, and references from the book on a variety of devices.

Cardiac Catheterization Handbook 6th Edition-Morton J. Kern MSAI FAHA FACC 2015-09-09

The Interventional Cardiac Catheterization Handbook E-Book-Morton J. Kern 2012-08-20 The newly updated Interventional Cardiac Catheterization Handbook helps you to effectively perform common therapeutic interventions. This convenient handbook provides full-color illustrations and videos showcasing up-to-date, step-by-step methods for the most widely practiced interventional cardiology procedures! Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Compatible with Kindle®, nook®, and other popular devices. Review traditional procedures as well as more specialized interventions, including laser angioplasty, atherectomy, and stent implantation. Quickly access the information you need with the help of an easy-to-read outline format, which includes helpful tables and boldfaced key terms. An excellent complement to the 5th Edition of Kern's Cardiac Catheterization Handbook, the Interventional Cardiac Catheterization Handbook is also an ideal review tool for the boards. Make optimal use of the latest techniques with coverage of coronary interventions using radial access; advances in femoral closure devices; avoidance of restenosis; interventions for peripheral vascular disease; LV support devices for high-risk PCI; indications and potential pitfalls of new stents and approach to failing dialysis shunts. Effectively evaluate coronary and peripheral vascular disease with full coverage of non-angiographic imaging techniques including FFR, OCT, IVUS and the new tools to assess intravascular plaque composition. View online videos demonstrating Radial Access, Tandem Heart for High-Risk PCI, FFR for Serial Lesions, Thromboaspiration for STEMI, Management of Coronary Perforation, and more at www.expertconsult.com!

Cardiac Catheterization Handbook E-Book-Morton J. Kern 2015-06-01 This unique, easy-to-access handbook returns with enhanced coverage and clear instructions on what to expect, what to avoid, and how to manage complications in the cath lab. Ideal for cardiologists who need a quick clinical primer on cardiac catheterization, it offers easy access to information on the latest diagnostic and treatment advances necessary for optimal patient care. Straightforward, easy-to-understand approach for an ideal reference on the go. Covers vascular closure devices, radial artery catheterization, congenital heart disease, and drug-coated, carotid, and renal stenting. Focused update covers treatment protocols for every procedure you'll encounter, as well as the latest knowledge and clinical trials regarding recent scientific breakthroughs. Highlights the newest catheterization techniques, including new-generation stents, guidance devices, and closure devices, to ensure you're completely up to date. Discusses the management of common patient problems, focusing on cautions and outcomes to help you make informed decisions. Includes discussions on structural heart disease and new developments in heart valve disease. Brand-new illustrations - 40 in total - enhance your visual understanding of the material. Medicine eBook is accessible on a variety of devices.

Cardiac Catheterization Handbook E-Book-Paul Sorajja 2021-05-26 For portable, quick access to information needed at the point of care in today's cath lab, look no farther than Kern's Cardiac Catheterization Handbook, 7th Edition. This detailed, authoritative guide is ideal for cardiologists who need a quick clinical primer on cardiac catheterization, as well as for all members of the cardiac cath team. Highly readable and accessible, it helps you provide optimal patient care with reliable information on the latest diagnostic and treatment advances in this fast-paced field. Provides clear instructions on what to expect, what to avoid, and how to manage complications for every procedure you'll encounter - including coverage of new techniques and technologies that affect virtually all aspects of familiar procedures. Covers all the newest catheterization techniques for vascular closure and expansion of large-bore access procedures, including TAVR, ECMO, mitraclip, and TMVR. Features a new chapter on intracardiac echocardiography and intraprocedural imaging. Discusses key topics such as intra-procedural imaging, management of complications with algorithms that expedite the approach to these patients, adjunctive hemodynamic support, and maintaining quality in the laboratory. Incorporates an increased emphasis on indications and contraindications for procedures in the context of a multidisciplinary heart team approach.

Cardiac Catheterization and Coronary Intervention-Andrew Mitchell 2020-10-28 Containing detailed instructions on all aspects of heart catheterization and angiography, Cardiac Catheterization and Coronary Intervention acts as a concise and invaluable guide for the cardiology trainee.

Cardiac Catheterization Handbook E-Book-Morton J. Kern 2011-02-17 This one-of-a-kind handbook again provides step-by-step instructions on what to expect, what to avoid, and how to manage complications in the cath lab, with valuable updates on safety requirements, new technology, and new techniques. It takes you through a detailed review of equipment, specific laboratory techniques, and lab safety, as well as the limitations, complications, and medical-surgical implications of cardiac catheterization and angiography findings. The book's portable size make it the preferred pocket reference! Presents clear instructions on what to expect, what to avoid, and how to manage complications. Features a straightforward, easy-to-understand approach and a pocket-sized format that are ideal for reference by practitioners on the go. Covers all of the newest interventional techniques, including the use of drug-coated stents, carotid stenting, and renal stenting. Presents brand-new coverage of vascular closure devices and radial artery catheterization. Features an increased emphasis on congenital heart disease. Incorporates new material on patient preparation, laboratory setup, and the digital lab.

Invasive Cardiology: A Manual for Cath Lab Personnel-Sandy Watson 2010-10-15 Invasive Cardiology: A Manual for Cath Lab Personnel, Third Edition was recently honored with 4 Stars from Doody's Book Review! Completely revised and updated, the Third Edition of Invasive Cardiology: A Manual for Cath Lab Personnel, is written specifically for nurses, technologists, and allied health personnel working in the catheterization laboratory. Topics cover all aspects of the catheterization laboratory including cardiovascular anatomy, radiography, angiography, technical duties of the staff, right and left heart catheterization, PCI, invasive ultrasound, valvuloplasty, hemostasis, pediatric interventions, pharmacology, emergency procedures, and many others.

The Cardiac Catheterization Handbook-Morton J. Kern (ed) 1995

Cardiac Catheterization and Coronary Intervention-Andrew R. J. Mitchell 2007-10-01 A practical guide to performing a comprehensive cardiac catheterisation study. Setting the standard for training and competency.

Grossman & Baim's Cardiac Catheterization, Angiography, and Intervention-Mauro Moscucci 2013-10-05 Grossman & Baim's Cardiac Catheterization, Angiography, and Intervention, 8e is the premier reference on cardiac catheterization, and appeals to seasoned practitioners, residents and cardiology fellows. This title reflects the rapid evolution and growing clinical use of hemodynamic data and of imaging and interventional techniques.

Grossman's Cardiac Catheterization, Angiography, and Intervention-Donald S. Baim 2006 The premier reference on cardiac catheterization is now in its thoroughly revised Seventh Edition, reflecting the rapid evolution and growing clinical use of interventional techniques. The completely revamped interventional section includes new material on treatment of pediatric and adult congenital heart disease, as well as on coronary atherectomy, thrombectomy, distal embolic protection devices, bare metal and drug-eluting stents, and percutaneous valve therapies. Other significantly revised chapters include pulmonary angiography, endomyocardial biopsy, and circulatory assist devices. This edition's companion DVD features more than 100 digital cases, plus more than 20 animations showing the actions of various invasive and interventional devices.

Cardiac Catheterization in Congenital Heart Disease-Charles E. Mullins 2008-04-15 The rapidly growing population of adults surviving with congenital heart lesions along with the success of interventional cardiology in the child and adolescent has spawned an incredible interest in adapting the technology for the adult congenital patients. Dr. Mullins, a pioneer in this area, has written an outstanding reference which covers all aspects of performing diagnostic and therapeutic cardiac catheterization procedures on patients of all ages. This illustrated book details the equipment and techniques for performing safe and successful procedures, with a strong emphasis on avoiding complications. It also includes the requirements of a catheterization laboratory for congenital heart patients, as well as guidance for setting up and operating such a laboratory. Cardiac Catheterization in Congenital Heart Disease serves as an essential manual for pediatric and adult interventional cardiologists worldwide.

Cardiac Catheterization for Congenital Heart Disease-Gianfranco Butera 2014-10-15 This handbook is an ideal, up-to-date guide to the application of catheter-based interventions across the entire patient age range, from fetal life through to adulthood. Clear instruction is offered on techniques of vascular access, valve dilatation, angioplasty, stent implantation, defect closure, defect creation, pulmonary valve implantation and the hybrid approach, as well as miscellaneous other procedures. Topics are approached using a step-by-step format, ensuring that the reader will immediately be able to access information relevant to daily practice. Many explanatory figures and drawings are included in each chapter in order to clarify further how to plan, perform and evaluate diagnostic and interventional procedures in the field of congenital heart disease. Attention is drawn to important tips and tricks that will assist in achieving optimal outcomes and an appendix includes additional general equations and BSA and oxygen consumption charts.

Congenital Heart Disease-Lisa Bergersen 2008-11-21 This practical manual provides a comprehensive overview of how the cardiac catheterization laboratory in a pediatric cardiology division works. Chapters are organized in the order in which a case progresses. Hemodynamics is covered in depth.

Pocket Guide to Diagnostic Cardiac Catheterization-Andro G. Kacharava MD, PhD 2015-11-04 The Pocket Guide to Diagnostic Cardiac Catheterization provides general cardiology fellows, nurses, and technicians entering the cardiac catheterization laboratory a practical guide addressing key aspects of left and right heart catheterization, selective coronary angiography, and the utilization of other invasive cardiology procedures for diagnostic purposes. Written by a team of physicians from Emory University Hospital's Cardiac Catheterization Laboratories, practical pearls of wisdom about the technical aspects of cardiac catheterization and other invasive cardiology procedures are presented with step-by-step instructions and easy-to-follow illustrations in this quick reference of essential material. Also included is a chapter with video clips that highlight the role and technical versatility of the multipurpose catheter in cardiac catheterization—a technique developed, taught, and learned over many generations in the cardiac catheterization laboratories at Emory University.

The Interventional Cardiac Catheterization Handbook-Morton J. Kern 2004 I. INTRODUCTION TO INTERVENTIONAL CARDIOLOGY -- Spencer B. King, III and Morton J. Kern -- 1 BASIC CORONARY BALLOON ANGIOPLASTY AND STENTING -- Morton Kern -- 2 ARTERIAL ACCESS AND HEMOSTASIS FOR INTERVNETIOANL PROCEDURES -- M. Rinder, M. Kern -- 3 ANGIOGRAPHY FOR INTERVNETIONAL PROCEDURES -- M. Kern, S. Khoukaz, S. Herrmann -- 4 COMPLICATIONS OF PERCUTANEOUS CORONARY INTERVENTIONS -- Glenn Levine, M. Kern -- 5 ANTITHROMBOTIC THERAPY -- Glenn Levine -- 6 NON BALLOON ANGIOPLASTY DEVICES -- Frank V. Aguirre -- 7 ESTENOSIS, BRACHYTHERAPY AND DRUG ELUTING STENTS -- Souheil Khoukaz, M. Kern -- 8 DIFFICULT ANGIOPLASTY SITUATIONS -- M. Rinder, M. Kern -- 9 HIGH-RISK ANGIOPLASTY -- Oscar Agiular, Glenn Levine -- 10 NON-ANGIOGRAPHIC LESSION ASSESSMENT: INTRAVASCULAR ULTRASOUND AND CORONARY PHYSIOLOGY -- William Fearon, M. Kern -- 11 PERIPHERAL VASCULAR DISEASE -- Chris White -- 12 MITRAL AND AORTIC BALLOON VALULOPLASTY -- Ted Feldman -- 13 PERICARDIOCENTESIS -- Ted Feldman -- 14 TRANSLUMINAL ALCHOL SEPTAL ABLATION FOR HYPERTROPHIC OBSTRUCTIVE CARDIOMYOPATHY -- Carey Kimmelstein -- 15 ATRIAL SEPTAL DEFECT AND PATENT FORAMEN OVALE CLOSURE -- Z. Hijazi -- 16 INTERVENTIONS FOR FAILING HEMODIALYSIS VASCULAR ACCESS -- Steven J Bander, Suresh Margassery, Keven J. Martin -- 17 CEREBROVASCULAR INTERVENTIONS -- Camillo Gomez.

Kern's Cardiac Catheterization Handbook-Morton J. Kern 2020

Fast Facts for the Cath Lab Nurse-Brenda McCulloch, MSN, RN 2018-12-14 This quick-access resource delivers a practical orientation for the cath lab. For nurses with a background in cardiac care or intensive care, the cath lab is replete with new challenges and learning opportunities. It is an increasingly complex environment with increasingly challenging procedures. Most effectively run by an interdisciplinary team, all healthcare providers in the cath lab uphold different roles to contribute to patient care and achieve successful procedural outcomes. Fast Facts for the Cath Lab Nurse clearly presents the role of the nurse in

the cath lab and how to assist with basic and advanced cath lab procedures. Written in a simple, easy-to-read format with streamlined, bulleted information, this orientation guide breaks down procedures and provides essential information for each step. Chapters cover interpreting pressure waveforms, understanding various calculations, identifying angiographic images, and more competently providing care to patients in the peri-procedural period. Key Features Provides tables, examples of common hemodynamic calculations, images of pressure waveforms and angiogram Begins each chapter with key learning objectives Provides a quick anatomy review Assists with Registered Cardiovascular Invasive Specialist (RCIS) certification

Cardiac Pacing and ICDs-Kenneth A. Ellenbogen 2008-04-15 Fully revised and updated, the fourth edition of Cardiac Pacing and ICDs continues to be an accessible and practical clinical reference for residents, fellows, surgeons, nurses, PAs, and technicians. The chapters are organized in the sequence of the evaluation of an actual patient, making it an effective practical guide. Revised chapters and updated artwork and tables plus a new chapter on cardiac resynchronization make the new edition an invaluable clinical resource. Features: · New chapter on Cardiac Resynchronization Therapy · Updated and better quality figures and tables · Updated content based on ACC/AHA/NASPE guidelines · Updated indications for ICD placement · Updated information on ICD and pacemaker troubleshooting

Oxford Handbook of Cardiology-Punit Ramrakha 2012-02-23 The second edition of the Oxford Handbook of Cardiology provides a comprehensive and fully revised but concise guide to all modern cardiological practice, with an emphasis on practical clinical management in many different settings.

Chronic Total Occlusions-Ron Waksman 2011-08-31 Chronic total occlusions (CTO) are common, and found in approximately one third of patients with significant coronary artery disease who undergo angiography. Over the past 20 years, CTO lesions have represented the most difficult anatomy for treatment — with lower success rates and higher complication rates. Chronic Total Occlusions provides interventionalists insight into the world of CTOs with introductory chapters that describe the pathology and indications of CTOs along with a review of clinical trials. Imaging modalities including CT angiography, magnetic navigation wire, and IVUS guided recanalization of CTO are also introduced, together with information on new wires technology and devices for CTOs. With numerous illustrations of these devices, technologies, and strategies to improve the CTO success rate, this clinical guide, headed up by Ron Waksman, will prove to be the ideal companion for interventional cardiologists and cardiac surgeons who are required to perform angioplasty and coronary stenting.

Atlas of Cardiac Catheterization for Congenital Heart Disease-Gianfranco Butera 2019-03-11 This atlas depicts and describes catheter-based interventions across the entire pediatric age range, from fetal life through to early adulthood, with the aim of providing an illustrated step-by-step guide that will help the reader to master these techniques and apply them in everyday practice. Clear instruction is offered on a wide range of procedures, including vascular access, fetal interventions, valve dilatation, angioplasty, stent implantation, defect closure, defect creation, valve implantation, hybrid approaches, and other miscellaneous procedures. The atlas complements the previously published handbook, Cardiac Catheterization for Congenital Heart Disease, by presenting a wealth of photographs, images, and drawings selected or designed to facilitate the planning, performance, and evaluation of diagnostic and interventional procedures in the field of congenital heart disease. It will assist in the safe, efficient performance of these procedures, in decision making, and in the recognition and treatment of complications.

Kern's Cardiac Catheterization Handbook 7th Edition-Paul Sorajja FACC FAHA FSCAI 2019-11-12

Kern's Cardiac Catheterization Handbook Access Card-

Introductory Guide to Cardiac Catheterization-Arman T. Askari 2012-05-15 Updated for its Second Edition, Introductory Guide to Cardiac Catheterization is an easy-to-follow "how-to" guide to diagnostic and therapeutic cardiac catheterization. This pocket-sized, concise manual presents practical pointers, tips, ACC/AHA guidelines, and highlighted clinical pearls and includes troubleshooting sections that provide solutions to frequently encountered problems. Numerous illustrations demonstrate the complex procedures now being performed via the catheter. This edition has a section on complications in each chapter, a new chapter on peripheral angiography, and a new question-and-answer review chapter. Other highlights include new safety precautions and updates on novel closure devices.

Practical Manual of Interventional Cardiology-Annapoorna Kini 2014-11-26 This practical handbook is based on an internal working manual developed by staff and fellows at Mount Sinai Heart Cardiovascular Catheterization Laboratory, renowned for its high-volume and low complication complex coronary procedures. The Practical Handbook of Interventional Cardiology captures the knowledge and methodological know-how from leaders in interventional cardiology, it intends to guide users in a stepwise, methodical and practical approach through various cardiac interventional procedures in order to achieve maximum patient safety and improved outcomes. From patient selection, preoperative work-up, setting up equipment to step-by-step illustrations of various procedural details and troubleshooting, this handbook captures all the details necessary to perform the simplest to the most complex cardiac interventions. The book is designed for cardiologists and trainees who desire an efficient way to review the steps of various cardiac interventional procedures and a quick, reliable reference for everyday use.

The Pediatric Cardiac Anesthesia Handbook-Viviane G. Nasr 2017-04-24 Cardiovascular development -- Important concepts in congenital heart disease -- Preoperative evaluation -- Intraoperative management -- Interpretation of cardiac catheterization data -- Cardiopulmonary bypass -- Mechanical support devices -- Patent ductus arteriosus -- Aortopulmonary window -- Coarctation of the aorta -- Atrial septal defect -- Ventricular septal defects -- Atrioventricular canal defects -- Double outlet right ventricle -- Truncus arteriosus -- Total anomalous pulmonary venous return -- Left ventricle outflow tract obstruction -- Mitral valve -- Pulmonary atresia/intact ventricular septum (PA/IVS) -- Tetralogy of fallot (TOF) -- Tetralogy of fallot with pulmonary atresia (TOF/PA) -- Tetralogy of fallot with absent pulmonary valve (TOF/APV) -- Transposition of the great arteries (TGA) -- Single ventricle lesions -- Hypoplastic left heart syndrome -- Interrupted aortic arch -- Vascular rings -- Tricuspid atresia -- Heart transplantation -- Heart-lung and lung transplantation -- Anomalous origin of the left coronary artery from the pulmonary artery (ALCAPA) -- Heterotaxy -- Ebstein anomaly

Complications of Percutaneous Coronary Interventions-Samuel M. Butman 2010-04-28 Covers the whole range of potential complications of PCI Only book exclusively dedicated to the risks of PCI Complements available texts that detail interventional cardiology Supports physicians in improving care by anticipating or recognizing problems Appeals to cardiologists or interventional radiologists Addresses cardiac arrest, legal matters and adverse event reporting Essential information is easily accessible in useful tables Text is logically organized and richly illustrated with 184 illustrations on 210 pages

Pacemakers and ICDs-Jonathan Timperley 2019 This specialist handbook is a practical, comprehensive, and concise training guide on how to implant, follow-up, and troubleshoot pacemakers and ICDs, fully updated with new technologies and the latest international guidelines.

Interventional Cardiology and Cardiac Catheterisation-John Edward Boland 2019-04-24 Cardiology is becoming an increasingly complex field understood by only a select group of medical specialists. This publication demystifies many difficult topics in interventional cardiology and cardiac catheterisation, commencing with the basics of laboratory instrumentation and technology and progressing to a comprehensive review of both new and established cardiac interventions. Unlike other publications that are directed mainly towards clinicians, this text is specifically written to assist newcomers such as such as medical trainees, nurses, technicians, scientific staff and other allied health professionals understand the wonders of interventional cardiology, and includes extensive explanations of the techniques of angiography, and new percutaneous. The comprehensive information presented herein, written by recognised specialists in their respective fields, will no doubt prove of great benefit to clinician and non-medical specialist alike.

Manual of Percutaneous Coronary Interventions-Emmanouil Brilakis 2020-10-17 Manual of Percutaneous Coronary Interventions: A Step by Step Approach is a practical, easy to read reference guide on how to perform percutaneous coronary. Written by recognized experts in the field, this reference compiles the necessary steps, lists pitfalls to watch out for, and provides tactics on troubleshooting percutaneous coronary interventions. Written to bring a practical and easy to read approach, this book is perfect for interventional cardiologists, interventional and general cardiology fellows, cardiology researchers, physicians, cardiac catheterization laboratory personnel, technical staff, industry professionals and anyone interested in understanding the cutting-edge and rapidly evolving field of coronary PCI. Provides a practical, case-oriented and easy to read reference with four color illustrations and step-by-step guidance for percutaneous coronary intervention Includes expert guidance from leaders with large clinical experience Includes access to a companion website that houses videos that demonstrate various PCI techniques, including narration

Critical Care of Children with Heart Disease-Ricardo Munoz 2010-06-21 Critical Care of Children with Heart Disease will summarize the comprehensive medical and surgical management of the acutely-ill patient with congenital and acquired cardiac disease. The aim of the book is to teach bedside physicians, nurses and other caregivers, basic and practical concepts of anatomy, pathophysiology, surgical techniques and peri-operative management of critically ill children and adults with congenital heart disease, allowing these professionals to anticipate, prevent or else treat such pathologies. The book will cover specific cardiac lesions, review their anatomy, pathophysiology, current preoperative, intraoperative and postoperative assessment and management; medical and surgical complications will be briefly described with each lesion further discussed in specific chapters. In addition, the book will have dedicated chapters to management of cardiac patients on extracorporeal membrane oxygenation, hemofiltration, hemo or peritoneal dialysis and plasma exchange. Practical guidelines for cardiovascular nursing care will be also included.

Textbook of Cardiovascular Intervention-Craig A. Thompson 2013-11-19 The field of interventional cardiology and interventional vascular medicine now comprises the dominant diagnostic and therapeutic field within cardiovascular medicine, and continues to grow in terms of patients managed and physicians trained. The Textbook of Cardiovascular Intervention is intended to provide a modern, comprehensive and practical text on interventional cardiology for the current, rapidly evolving practice environment. It is written by a group of worldwide experts in the field and will appeal to fellows, residents and physicians in cardiology, interventional cardiology, cardiothoracic and vascular surgery, vascular and endovascular medicine, neurointerventional radiology and surgery, emergency medicine and intensive care.

OCT Made Easy-Hiram G. Bezerra 2017-10-12 This book, written by premier authors in the field of OCT intravascular imaging, covers the best practices for using OCT to provide high resolution cross-sectional viewing for atherosclerotic plaque assessment, stent strut coverage and apposition, assessment in stent restenosis evaluation, and PCI guide and optimization. Fully illustrated throughout in a handy, cath-lab side handbook supplemented by online movie clips, OCT Made Easy includes case studies, angiography, CT correlations, and simple techniques for getting the best image.

Visual Guide to Neonatal Cardiology-Ernerio T. Alboliras 2018-04-30 The Visual Guide to Neonatal Cardiology is a comprehensive, highly illustrated, reference covering the evaluation, diagnosis and management of cardiac disease in the newborn. Contains over 900 color illustrations, including patient photographs, chest roentgenograms, electrocardiograms, echocardiograms, angiocardiograms, 3D computed tomography, magnetic resonance imaging, pathologic specimens, and other relevant visual aids Discusses the natural history of fetal heart disease and the rationale, indications, technique, and impact of fetal cardiac intervention Reviews the anatomy and physiology of the neonatal cardiovascular system, including differences within the fetal, transitional, neonatal, child and adult circulatory system Highlights key steps for taking a patient history, including detailed discussion of the cardiac examination (inspection, palpation and auscultation of heart sounds and murmurs) Presents over 35 morphologic conditions with sections covering introduction, epidemiology, etiology with accepted or postulated embryogenesis, pathophysiology, clinical presentation, physical examination findings, diagnostic evaluation, management, and prognosis

Includes a neonatal formulary reviewing selected medications currently used for treatment of perioperative low cardiac output, congestive heart failure, pulmonary hypertension, sedation, pain and anticoagulation in neonates

Practical Handbook of Echocardiography-Jing Ping Sun 2011-01-11 Practical Handbook of Echocardiography: 101 Case Studies Echocardiography is now one of the most commonly used diagnostic imaging tools, yet many clinicians remain unaware of the range of conditions echo can reveal or how echo can be used to help plan therapy. Moreover, it can be quite challenging even for the most seasoned practitioners to spot unusual conditions. Compiled by three echocardiographers with more than 100 years of clinical experience between them, Practical Handbook of Echocardiography uses a case-based approach to explain in detail the full spectrum of echocardiographic modalities and how to optimize their use in the clinical setting. This practical new book: Covers the full gamut of echocardiographic modalities, including M-mode, 2-D, 3-D and Doppler (PW, CW, color flow, tissue and strain), transesophageal (intra-operative and routine) and contrast Describes cases in both clinical and echocardiographic terms including very interesting cases and the new clinical techniques Features beautifully reproduced, well-labeled, full color echocardiograms Includes accompanying DVD with real-time video clips Appropriate for physician echocardiographers and all cardiologists, as well as echocardiographic technicians, Practical Handbook of Echocardiography is the ideal concise guide to using echocardiography to make definitive diagnoses and improve patient outcomes.

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