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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 Clip™, 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. Continued advances in cardiology have led to unprecedented scientific progress in recent years. However, no matter how advanced the science, the successful application of interventional cardiology relies upon a practitioner's ability to approach interventional techniques competently and confidently in every situation. Fully updated and featuring new chapters and additional tips and tricks, this latest edition of Dr. Nguyen, Colombo, Hu, Grines, and Saito's celebrated book provides a complete yet concise guide to practical interventional cardiology that deserves a place in every cardiac laboratory. Culled from the personal experience of over

fifty international experts, the book incorporates more than 500 practical tips and tricks for performing interventional cardiovascular procedures. Each strategic or tactical move is graded by complexity level and described in a simple, step-by-step approach that includes guidance on how to overcome practical difficulties, providing a comprehensive resource that can benefit both beginner or experienced operators. As well as covering the latest developments in interventional cardiology, this third edition includes technical tips that promote user-friendly performance, low complication rates, cost- and time-efficient approaches and cost- and time-effective selection of devices to help optimize the practice of modern interventional cardiology. A comprehensive survey of nonsurgical treatment for a variety of heart diseases that affect the cardiac valves, the heart muscle, and the structure of the heart. The authors describe who these procedures are useful for, how to do them, and how well they

work. Major topics of discussion include percutaneous techniques for valvular heart disease, septal defects at both the atrial and ventricular levels, adjunctive therapies during coronary interventions, and angioplasty to treat extracardiac vascular disease, as well as reviews of the cutting-edge imaging modalities now being used in interventional procedures. An accompanying CD-ROM contains video demonstrations of catheterization and the imaging portions of these procedures. This fully updated, new edition of ABC of Interventional Cardiology is an easy-to-read, practical guide for the non-specialist. It presents the complex aspects of interventional cardiology in a clear and concise manner, and explains the different interventions for coronary artery disease, valvular and structural heart disease, and electrophysiology, ordered by clinical setting. The ABC of Interventional Cardiology covers the core knowledge on techniques and management,

and highlights the evidence base. Illustrated in full colour throughout, with new images and graphics, it includes key evidence and guidelines, new drug treatments and devices, with recommendations for further reading and additional resources in each chapter. It is ideal for GPs, hospital doctors, medical students, catheter laboratory staff and cardiology nurses. Cardiac catheterization has long been a central diagnostic modality in the evaluation of children, adolescents, and adults with congenital heart disease, and in children with acquired heart disease. Over the past two decades, transcatheter interventions have become equally important in the treatment of pediatric and congenital heart disease. Some transcatheter therapies have become established as the standard of care for congenital cardiovascular anomalies previously managed surgically, others serve to supplement surgery in the integrated management of complex lesions, and still others are in

their infancy, as pediatric interventional cardiology continues to advance in step with the broader field of pediatric cardiovascular medicine. Since the previous edition of this book, new technologies and techniques have been introduced to the field of pediatric interventional cardiology, much has been learned about established transcatheter therapies, and there has been a substantial increase in the volume of published data on outcomes of transcatheter procedures in congenital and pediatric heart disease. With increasing experience, the role of interventional catheterization has become solidified as an integral component of the comprehensive management of patients with essentially all forms of congenital heart disease. Cardiac catheterization has also become established as a distinct subspecialty within the discipline of pediatric cardiology, and at many centers has become the purview of cardiologists who

have received specialized training in interventional catheterization and whose practice is focused on catheterization. This book is targeted to trainees and established interventional cardiologists alike, and is intended as a comprehensive reference for the clinical practice of diagnostic and interventional cardiology in pediatric and congenital heart disease. In the organization of this book, a combination of procedure-based and problem-based approaches has been employed. The structure of the book has been updated to make it more reader friendly, chapters have been added to address new techniques and problems in the field, and greater emphasis has been placed on evaluation of outcomes of transcatheter interventions in congenital heart disease. Section 1 covers the fundamentals of cardiac catheterization, with chapters devoted to pre-procedure patient evaluation, sedation and anesthesia, vascular access and related issues,

catheterization equipment and its use, hemodynamic evaluation, angiography, radiation and radiation safety, and echocardiography in the catheterization lab. Sections 2 through 4 include procedure-based chapters that are organized according to the technical type of intervention. Section 2 is devoted to transcatheter interventions for obstructive lesions, including valvar stenoses and vascular obstructions. Section 3 includes chapters that cover interventions to close various pathologic intracardiac communications and vascular anomalies. Section 4 includes chapters covering interventions performed to create or enlarge intracardiac communications, as well as other interventions. Section 5 focuses on the applications of catheterization and transcatheter interventions in the evaluation and management of specific patient populations. This problem-based or patient-based focus, which is substantially expanded from the previous edition of the book, reflects the

expanding role of catheterization in the comprehensive management of pediatric and congenital heart disease, and addresses emerging applications of transcatheter interventions, including management of the patient receiving extracorporeal circulatory support, hybrid transcatheter-surgical interventions, and prenatal cardiac intervention. Section 6 includes two chapters that cover outcome assessment and regulatory issues pertinent to the pediatric cardiology in general and interventional cardiology in particular. This issue of *Interventional Cardiology Clinics*, guest edited by Dr. Srihari S. Naidu, will discuss Interventional techniques for Heart Failure. Subjects covered in the articles include, but are not limited to: Invasive Hemodynamics of Myocardial Disease: Systolic and Diastolic Dysfunction; Invasive Hemodynamics of Pericardial Disease: Constriction and Tamponade; Invasive Hemodynamics of Pulmonary

Disease and the Right Ventricle; TAVR and MitraClip to Reverse Heart Failure; Mechanical Circulatory Support in Acute Decompensated Heart Failure and Shock; Adult Congenital Interventions in Heart Failure; Future Directions in Device Treatment of Heart Failure; and Prioritizing and Combining Interventional Therapies for Heart Failure, among others. 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. Ideal for cardiologists, surgeons, and referring physicians who need a clinical guide to interventional procedures, Textbook of Interventional Cardiology focuses on the latest treatment protocols for managing heart disorders at every level of complexity. In this updated edition, Dr. Topol continues to bring together experts in the field who present the current state of knowledge and clinical practice in interventional cardiology, including cutting-edge theories, trends, and applications of diagnostic and

interventional cardiology, as well as peripheral vascular techniques and practices. Offers an in-depth understanding of cardiology, making it well suited for cardiology and interventional cardiology exam preparation. Expert guidance from leading authorities ensures a fresh and balanced perspective on every aspect of interventional cardiology. Presents the most recent genetic information and clinical trials related to interventional cardiology. Highlights the latest treatment advances, procedures, devices, and techniques, including transcatheter aortic valve implantation (TAVI). Brand-new chapters include Radiation Safety, Renal Denervation for Resistant Hypertension, Post PCI Hospitalization, Length of Stay and Discharge Planning, and Interventional Heart Failure. Offers balanced coverage of the entire scope of technologies available, without favoring one particular device over another. Integrates the latest trial data into discussions on clinical practice

and recommendations. Multiple images of devices and intra-procedural imaging enhance your visual understanding of the material. Key Points boxes at the beginning of each chapter summarize the most important facts. NIC Handbook of Interventional Cardiology is a step by step guide to common procedures and problems in interventional cardiology. Divided into 19 chapters, the book begins with a brief history of coronary interventions, followed by instruction on the use of a range of interventional equipment and techniques. A separate chapter is devoted to bioresorbable vascular scaffolds, a new technology made from a material that can be absorbed by the body. This chapter discusses the need for this technology, the differentiated clinical benefits, potential advantages of metallic stents, and various associated devices. Further chapters provide step by step guidance on other interventions such as carotid angioplasty and atrial septal defect closure. The final

chapter covers the new and rapidly evolving field of nuclear cardiology, including its history, equipment, materials and imaging protocols, making NIC Handbook of Interventional Cardiology ideal for interventional cardiologists who wish to update their knowledge. Key Points Step by step guide to common procedures in cardiology Final chapter discusses new and rapidly evolving field of nuclear cardiology 189 full colour images and illustrations This issue of Interventional Cardiology Clinics will explore Updates in Percutaneous Coronary Intervention. Curated by the series Editor-in-Chief, Dr. Matthew J. Price, this issue will cover topics and advances in the field that are relevant for practicing clinicians. This issue is one of four selected each year by Dr. Price. The volume will include articles on: Current Concepts in Intraprocedural Pharmacology During PCI; Periprocedural Myocardial Infarction in Contemporary Practice; Newer Generation Metallic Stents: Design,

Performance Characteristics, and Outcomes; Distal Transradial Access for Coronary Angiography and Intervention; Clinical Outcomes Data for iFR-guided PCI; Culprit-only or Complete Revascularization During STEMI in Patients with and Without Shock; Technical Approaches to Left Main Coronary Intervention: Contemporary Best Practices; Robotic Assisted Percutaneous Coronary Intervention; Orbital Atherectomy: A Comprehensive Review; and Percutaneous revascularization of spontaneous coronary artery dissection, among others.

INTERVENTIONAL CARDIOLOGY The updated guide to understanding and implementing today's interventional cardiology procedures Minimally invasive methods of cardiovascular intervention are developing apace, propelled by unprecedented advancements in technology and procedural expertise. Bearing exciting implications for a broad range of adjacent fields of surgery

and patient care, these innovative techniques are of ever-increasing importance, not only within cardiology, but across medicine as a whole. This third edition of *Interventional Cardiology* is designed to equip practitioners of all levels with a working knowledge of today's best and most up-to-date practices, as well as the fundamental principles that underlie their use. Expertly revised to span coronary interventions, interventional pharmacology, structural heart interventions, endovascular therapy, and more, its modular sections are accompanied by multiple-choice questions to help aid learning and self-assessment. The new edition of *Interventional Cardiology* features: A thorough survey of the field, including atherogenesis and inflammation, vascular access controversies, radiation protection concepts, acute and chronic interventional pharmacology recommendations for high risk subjects/procedures

Evaluations with imaging and physiology, including physiologic assessment in the cardiac catheterization lab, intravascular ultrasound, and optical coherence tomography

Discussions of revascularization in various clinical settings, including stable coronary heart disease, acute myocardial infarction, the management of cardiogenic shock, and hemodynamic support devices and techniques

Examinations of coronary interventions in various lesion types, including complex lesions, left main, bifurcations, CTO Heart valve disease and relevant percutaneous interventions, including preop imaging and clinical evaluations and outcomes assessment in great depth and with technical details; left atrial interventions are an expanding frontier

Peripheral vascular, carotid and aorta/branch diseases are covered in greater detail than previous editions; venous disease treatments have become well established

Accompanied by a companion

website featuring videos illustrating key procedures and interactive multiple choice questions

Whether studying for certification or already working in advanced practice, medical professionals of all kinds will benefit greatly from the practical instruction and cutting-edge knowledge found within this vital third edition.

While all interventional cardiologists have access to pharmacopeial texts and databases and are aware of the growing number of pharmacological agents in the armamentarium, questions arise as to the ideal agent or combination of agents in differing patient situations.

This superb text offers the reader coverage of all the major pharmacological t

Interventional cardiology refers to catheter-based treatment of cardiovascular diseases. This dynamic new field is one of the fastest growing fields in medicine. In the United States, more than a million percutaneous coronary interventions (PCI) are performed annually; moreover,

the number of procedures performed will likely continue to increase. The field of interventional cardiology has evolved dramatically over the past decade with the availability of embolic protection devices, drug eluting stents, mechanical thrombectomy catheters, etc. Interventional cardiology represents a rapidly moving target for the cardiologist who seeks to integrate recent advances into their clinical practice. The advent of newer technology presents both an opportunity as well as numerous challenges for the cardiologist to treat patients optimally. *Interventional Cardiology: Essential Clinicians Guide* (Oxford American Cardiology Library) aims to provide clinicians with concise, easily accessible guidance on the pre-procedural, procedural and post procedural aspects of PCI in general situations and in various specific clinical settings. The volume features evidence-based discussion on patient selection, vascular access, general principles of

PCI, and various specific settings and optimal post procedure management of these patients. This handbook focuses on tailoring stent type to the individual patient, taking into account specific risk factors and comorbidities, appropriate use of embolic protection and thrombectomy catheters. Highly practical in format, content and style, *Interventional Cardiology: Essential Clinician's Guide* serves as a succinct, yet comprehensive, easily accessible point-of-care reference for busy practitioners. Useful tools, such as treatment algorithms, charts, tables and illustrations assist in making this volume a practical reference tool. More Comprehensive Than Ever, Truly The Authoritative Manual And Text For Practicing Clinicians Who Desire A Complete And Remarkably Updated Understanding Of Equipment And Operator Techniques In Interventional Cardiology. - Martin B. Leon, Chairman, Cardiovascular Research Foundation, Lenox

Hill Hospital, New York Topics Include: Stents Acute Coronary Syndromes Adjuvative Pharmacotherapy Peripheral Vascular Intervention Written and edited by today's most-recognized interventional cardiology thought leaders, this popular guide focuses on key procedures and techniques. Each strategic or tactical move is graded by complexity level and described in a simple, step-by-step approach that includes guidance on how to overcome practical difficulties and navigate particularly challenging clinical scenarios and complications. It offers interventional cardiologists, fellows in interventional cardiology, cath lab nurses and technicians; vascular surgeons and fellows, interventional radiologists: "Tips and tricks" gathered from the personal experience of over fifty international experts Clear, practical, step-by-step guidance on the latest procedures and techniques, performing challenging interventions, and managing complications and other

difficult situations where evidence may be limited or inconsistent New coverage of hot topics such as percutaneous aortic valve replacement, renal artery ablation, intracranial interventions, and more A unique combination color atlas and synoptic text on interventional cardiology procedures Within the field cardiovascular medicine, interventional cardiology has evolved rapidly in the last decade. In particular, there are advanced therapeutic valvular interventions that compare to historical outcomes with surgical approaches. Transcatheter aortic valve replacement may soon become the standard of care, and transcatheter mitral valve interventions continue to develop rapidly. In addition, improvements in drug-eluting stent technology continue to improve long-term outcomes. Keeping in mind of these rapid advances in interventional cardiology, we have put together this color atlas and synopsis of interventional

cardiology to enable medical students, postgraduate physician trainees, practicing clinicians, including physician assistants, nurse practitioners, internal medicine physicians, and general practitioners so that they can rapidly assimilate information on a wide variety of interventional cardiology related topics. This practical, highly clinical resource fills the need in the literature for an interventional cardiology reference that provides expert textual guidance on patient diagnosis and management, along with a comprehensive collection of images (many in full color) illustrating specific procedures. FEATURES:

- Logically divided into four sections: The Hemodynamic Study, Percutaneous Coronary Interventions, Non-Coronary Cardiac Interventions, and Peripheral Interventions
- Strong focus on normal anatomy, radiographic anatomy, indications, contraindications, interpretations, and patient management
- Most chapters begin with a case scenario,

putting the issue into clinical, real-world perspective. This beautifully illustrated, concisely written resource is perfect for busy cardiologists of all specialties who require broad coverage of the topic in a convenient, quick-access presentation. Videos for Chapter 33 can be found at: <https://accesscardiology.mhmedical.com/content.aspx?bookid=2372&ionid=185600360> Ideal for cardiologists, surgeons, and referring physicians who need a clinical guide to interventional procedures, Textbook of Interventional Cardiology focuses on the latest treatment protocols for managing heart disorders at every level of complexity. In this updated edition, Dr. Topol continues to bring together experts in the field who present the current state of knowledge and clinical practice in interventional cardiology, including cutting-edge theories, trends, and applications of diagnostic and interventional cardiology, as well as peripheral vascular techniques and practices.

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your visual understanding of the material. Key Points boxes at the beginning of each chapter summarize the most important facts. Features 45 videos easily accessible via Expert Consult. Expert Consult eBook version included with purchase. This enhanced eBook experience offers access to all of the text, figures, videos, and references from the book on a variety of devices.

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comprehensive coverage of this groundbreaking resource is highly accessible, thanks to a well-organized full-color format that synthesizes important information and provides a consistent template in describing each procedure. Throughout the book, charts and tables help to summarize key concepts and can serve as the basis for a detailed overview. FEATURES: •NEW to this edition: Multiple-choice questions (with answers) at the end of most chapters •21 NEW CHAPTERS, including History of Interventional Cardiology, Publishing Interventional Cardiology Research, Web-Based Learning, Medical Simulation in Interventional Cardiology, Emerging Clinical Applications of Physiologic and Intravascular Imaging Tools, An Overview of MitraClip Procedure, Cell Therapy for Cardiovascular Disease, and more •Edited by some of the foremost experts in the field, and featuring contributions from key opinion leaders in interventional cardiology •Top-to-bottom coverage of the

latest interventional cardiology techniques •Valuable perspectives on avoiding and properly managing complications •Up-to-date information on devices •Numerous high-quality full-color images and figures throughout •High-yield content makes it valuable for board review •More than 1,500 illustrations, including more than 600 full-color photographs. Interventional cardiology has transitioned from angiographic subjective analysis of stenosis severity into assessment of plaque characteristics and objective assessment of stenosis severity. The evolution of novel interventional imaging modalities is progressively altering our understanding of coronary artery disease diagnosis and prognosis. This book will be an essential companion to assist interventional cardiologists in better assessing patients with Coronary Artery Disease. It will encompass and review all interventional imaging modalities and provide

guidance for interventional cardiologists to use these modalities. Whether you're studying for the interventional cardiology board exam, preparing for recertification, or simply want a concise review of the field, SCAI Interventional Cardiology Review, 3rd Edition, brings you up to date with recent changes in interventional cardiology while also preparing you for exam success. Written by global experts who are Society for Cardiovascular Angiography and Interventions (SCAI) members and leaders, coverage includes all topics on the exam, with the addition of new review questions, new topics, and revised information throughout. Interventional Cardiology is an extensive, richly illustrated guide to this field of medicine. The book is edited by internationally recognised experts, led by Professor Samir Kapadia. This book provides comprehensive coverage of all aspects of interventional cardiology, across five sections, further divided into 88 chapters. The

first section covers the evolution periprocedural pharmacology, beginning with chapters on the history of coronary intervention and concluding with clinical cases. The second section covers specific coronary interventions, taking either a disease-based or an anatomical approach. The chapters also provide information on individual patient groups, such as the elderly and diabetics. Detailed chapters on a range of devices used in interventional cardiology are included in this section. Further sections cover a wide range of peripheral and structural interventions, and the final chapter on general topics includes radiation protection, prevention and management of bleeding, and haemodynamic essentials. Enhanced by 700 full colour images, Interventional Cardiology is an authoritative resource for all cardiologists. Key Points Comprehensive, illustrated guide to interventional cardiology Edited by internationally recognised experts led by Prof

Samir Kapadia 700 full colour images A concise and convenient pocket guide to interventional cardiology's latest procedures and technologies Interventional cardiology is growing more and more integral to the modern-day management of cardiovascular problems. Indeed, trainees are taught interventional methods as a matter of course. With a widening range of options open to them, however, the practicing cardiologist must be diligent and discerning when selecting the appropriate course of action for each patient, adapting their strategy as circumstance demands. Developing the skills and experience necessary to make these key judgments can be a challenging and lengthy process. Bringing together the knowledge of an international group of over 50 experts, this fifth edition of the Practical Handbook of Advanced Interventional Cardiology helps cardiologists of all levels to find interventional solutions to a wide range of problems. Its

revised contents cover topics including new devices, valve procedures, and venous and atrial occlusion, and also feature new chapters on bioresorbable vascular scaffolds, protected percutaneous coronary intervention, coronary atherectomy, pulmonary embolism, and more. This essential companion: Offers clear, easy-to-follow guidance for cardiology practitioners of all levels of skill and experience Grades each strategic or tactical action by level of complexity Includes full-color clinical images and illustrations Covers all key interventional procedures and techniques Provides practical tips and tricks for handling difficult clinical scenarios and complications The Practical Handbook of Advanced Interventional Cardiology is an invaluable resource for both practitioners and trainees in interventional cardiology and all related areas of cardiovascular medicine. Cases in Interventional Cardiology, by Dr. Michael Ragosta, offers

practical, clinical guidance on coronary and peripheral interventional cardiology through 100 well-presented case histories. Brief clinical presentations, representative illustrations, and dynamic online videos of angiograms, aortograms, and intravascular echos optimize your understanding of these procedures and help you better recognize and manage a wide array of conditions. You'll find valuable advice on patient selection, complications, complex lesion subsets, management dilemma controversies, and much more. Through expertconsult.com you'll have convenient access to the full text, illustrations, and videos online. Access the fully searchable text online at expertconsult.com and view videos of the angiograms, aortograms, and intravascular echos relevant to each case. See how to manage a wide range of coronary lesions via 100 case studies illustrating a wide range of clinical scenarios you may experience. Get unparalleled visual guidance

with high-quality clinical images that help you recognize the characteristic appearance of coronary and peripheral lesions. Improve patient care with advice on patient selection, complications, complex lesion subsets, management dilemma controversies, and more Find what you need quickly thanks to a practical, consistent chapter-to-chapter format. Move from the page to the web to master each complex case

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Comprehensive, current, and lavishly illustrated, Atlas of Interventional Cardiology thoroughly covers all of today's cardiac catheterization and coronary interventional procedures, including catheterization and stenting techniques, angiography, atherectomy, thrombectomy, and more. Full-color illustrations and procedural

videos guide you step by step through every interventional procedure you're likely to perform. Continued advances in cardiology have led to unprecedented scientific progress in recent years. However, no matter how advanced the science, the successful application of interventional cardiology relies upon a practitioner's ability to approach interventional techniques competently and confidently in every situation. Fully updated and featuring new chapters and additional tips and tricks, this latest edition of Dr Nguyen, Colombo, Hu, Grines, and Saito's celebrated book provides a complete yet concise guide to practical interventional cardiology that deserves a place in every cardiac laboratory. Culled from the personal experience of over fifty international experts, the book incorporates more than 500 practical tips and tricks for performing interventional cardiovascular procedures. Each strategic or tactical move is graded by

complexity level and described in a simple, step-by-step approach that includes guidance on how to overcome practical difficulties, providing a comprehensive resource that can benefit both beginner or experienced operators. As well as covering the latest developments in interventional cardiology, this third edition includes technical tips that promote user-friendly performance, low complication rates, cost- and time-efficient approaches and cost- and time-effective selection of devices to help optimize the practice of modern interventional cardiology. Completely refocused and reorganized, the new Edition of this respected resource offers you comprehensive, detailed, up-to-date, and clinically oriented coverage on all aspects of interventional cardiology. Edited by the world's most prominent specialist and researcher and contributed by more than 75 leaders in the field, this 5th edition brings you practical, evidence-based guidance on

treating a full range of coronary lesions. They discuss the very latest techniques, devices, and adjunctive therapies and provide critical appraisals of emerging therapeutic approaches. The new edition is now in full-color and features a DVD of video clips demonstrating coronary intervention procedures, three new sections, and a plethora of new chapters that address the hottest topics today. This textbook is a readily accessible educational tool for all fellows undertaking subspecialty training in interventional cardiology, while also serving as a refresher to early career interventional cardiologists. The key objective is to equip the reader with an evidence-based expert-led resource focussed primarily on pre-procedural planning, peri-procedural decision-making, and the salient technical aspects of performing safe and effective coronary intervention, the intention being to support the therapeutic decision-making process in the emergency room, coronary

care unit or cath lab in order to optimize patient outcome. The *Interventional Cardiology Training Manual* provides readers with a step-by-step guide to the basic principles underpinning coronary intervention and facilitates rapid access to best practice from the experts, presented in a pragmatic, digestible and concise format. Uniquely, each chapter has been written in a heart center-specific manner, affording the reader an opportunity to learn how individual institutions perform a specific procedure, which algorithms and guidelines they follow and what evidence they draw on to instigate the best possible care for their patients. In 1999 the American Board of Interventional Medicine is offering, for the first time, what will be an annual certification examination in Interventional Cardiology. Board certification is designed to recognize excellence among physicians specializing in interventional cardiology. *Interventional Cardiology: The Essentials for the Boards* is the first book to

be written in accordance with the American Board of Interventional Medicine's own guidelines. The book is structured to accurately represent the balance of subject matter that can be expected on the certification examination. Care is taken to cover the essential points in each individual topic, highlighting state-of-the-art therapy and unresolved issues. Most chapters are presented in a question-and-answer format, along with a chapter of clinical case descriptions covering a broad range of clinical and interventional problems. A special chapter of "Interventional Cardiology Pearls" provides condensed, easily digested summaries of the most useful information in the previous chapters. In addition, it is the first book of its kind to include a detailed Table of Contents and a Subject Index, making it easy for the examinee to locate specific topics. This book will be of great help to interventional cardiologist specialists preparing for the

board certification exams. General cardiologists, cardiology nurses, cardiac catheterization lab support staff, and general cardiology fellows interested in increasing their understanding of intervention and related topics will also find this work useful. Cardiac catheterization and coronary angiography remain key tools in the management of patients with coronary heart disease. Although this is the most frequently used method of coronary revascularization, general training in cardiology rarely offers more than the opportunity to assist a more senior operator to perform angioplasty procedures. This textbook, covering key procedures and fully revised and updated to include the latest trials, technology, and new techniques, is essential reading. The Oxford Textbook of Interventional Cardiology, 2nd edition spans the whole spectrum of interventional cardiology procedures, including a novel section on the future of interventional cardiology, and multiple new

chapters covering special devices in percutaneous coronary intervention. Written by an expert team of international authors, this book offers guidance on all aspects of interventional cardiology according the European curriculum, and covers the evidence-based guidelines for a comprehensive view of the field. This issue of *Interventional Cardiology Clinics* reviews pharmacologic agents currently used to treat patients in the cath lab. All the pharmaceutical knowledge an interventionalist needs is summarized in this handy reference. Expert guidance from internationally recognized authorities, who provide clear and current updates on all aspects of interventional cardiology. This new edition; Contains a radically expanded chapter contents list presented in four clear sections; coronary interventions, interventional pharmacology, structural heart interventions, and endovascular therapy Includes 46 new chapters, including the latest advances in

bioresorbable coronary stents, advanced transcatheter aortic valve replacement, MitraClip, new transcatheter mitral valve interventions, and more Chapters are templated for rapid referral, beginning with pathophysiological background and relevant pathology, moving to mechanisms of treatment, device description, procedural techniques, follow-up care, and ending with risks, contraindications and complications Multiple choice questions at the end of each chapter for self-assessment, a total of more than 400 MCQs in the book Features 19 procedural videos, hosted on a companion website This issue of the *Interventional Cardiology Clinics* edited by Michael Lee covers all key aspects of complex coronary intervention. Topics include, but are not limited to: Saphenous Vein Interventions, Atherectomy Devices for the Treatment of Calcified Lesions, Bifurcation Stenting, Chronic Total Occlusion, Multivessel Coronary Artery Disease, Management of Complications

(Perforation/Dissection/Thrombosis), Antithrombotic Therapy in Percutaneous Coronary Intervention, and Acute Myocardial Infarction/Thrombectomy. Interventional operators generally expect complications when the coronary anatomy is tortuous; however, it is normal anatomy with what appear angiographically as 'regular' lesions that can cause great difficulty and additional morbidity. Drs Colombo's and Stankovic's team of first-rate, globally-recognized interventional cardiologists offer advice *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. This issue of *Interventional Cardiology Clinics*, guest edited by Editor-in-Chief Matthew J. Price, will focus on Key Trials of the Decade. Trials discussed in this issue will include: Physiology over Angiography to determine lesion severity: The FAME trials; Percutaneous Coronary Intervention or surgery for multivessel disease: The SYNTAX trial at 10 years; Percutaneous Coronary Intervention or surgery for unprotected left main disease: The EXCEL trial at 5 years; Complete or Incomplete Revascularization for ST-Elevation Myocardial Infarction: the PRAMI trial and beyond; Abbreviated Dual Antiplatelet Therapy after PCI in High Bleeding Risk Patients: LEADERS-FREE and ONYX

ONE; Transcatheter treatment of functional mitral regurgitation in patients with heart failure: The COAPT trial; Manual thrombectomy in Primary Percutaneous Coronary Intervention: Lessons learned from TOTAL; Paradigm shifts in the treatment of aortic stenosis: The PARTNER Trials experience; COURAGE and ORBITA in context: PCI for chronic stable CAD; SIMPLICITY to RADIANCE: Interpreting the past and mapping the future of renal denervation; From WOEST to AUGUSTUS: Dual Therapy after PCI; The ISCHEMIA Trial: Background, Design, Outcomes and Clinical Interpretation. This new and comprehensively revised third edition of Practical Interventional Cardiology, led by an eminent UK Cardiologist and supported by contributing authors from around the world, discusses the different interventional procedures by context and addresses current guidelines and ongoing trials, including European experience with non-FDA approved devices. It

represents an extended practical reference for the Interventional Cardiologist, Fellows in training, catheter laboratory Nursing and Technical staff as well as the non-invasive Cardiologist and General Physician. Rather than providing detailed and exhaustive reviews - a criticism of many Interventional Cardiology texts - the purpose of this book is to present practical information regarding Interventional procedures and important topics in Cardiology. An emphasis on clarity, clinical relevance and up-to-date information has been favoured as well as discussion of points of controversy so frequently overlooked." This book provides an in depth review of the current practice in treating elderly patients with coronary artery disease (CAD) as well as an update of the existing literature. It is intended to reflect the current science of elderly patients with stable angina, acute coronary syndromes and those patients who are forwarded for CAGB procedures. Evidence in the

elderly patient group is often limited and/or non-existent therefore the main challenge, even for further research, will be to define the role of geriatric preconditions and its impact on outcome. A second topic will be to clarify how, if ever, existing cardiological outcome values like mortality can be applied to elderly patients or if other values like improvement of functional status or quality of life are more suitable parameters to measure interventional success in elderly patients. The role of pharmacotherapy in advanced age has to be discussed. These topics will be embedded in epidemiological, pathophysiological and ethical aspects of interventional treatment of CAD in older age. This title is directed primarily towards health care professionals outside of the United States. This book has been prepared by professionals working in the UK. It covers the basic principles and practice of interventional cardiology, vascular and non-vascular, written specifically

for the general cardiologist. Designed to facilitate easy access to key information, it contains numerous line illustrations, diagrams, graphs, and charts. The entire spectrum of interventional cardiology is covered in an easy-to-read format. In this new edition are fifteen new chapters written by experts from around the world. The excellent appendix of trials in interventional cardiology has been fully updated making this the best available source on how to apply trials to clinical practice. Includes editors and contributors from the US and Europe for a truly international perspective. Begins each chapter with 6-10 key points written in bullet format that summarize important concepts in the chapter, making reference a snap. Includes extensive coverage of new technologies for interventional cardiology, including lasers, cutting balloons, and distal protection to keep you completely current. Covers high problem areas for intervention, including new

material on chronic total occlusions, bifurcation lesions and PCI in small vessels. Adds a new section on peripheral vascular intervention including the new development areas for

interventional cardiologists like carotid, renal and lower extremity. Contains new information on hot topics such as ASD, PFO closure, and aortic valve intervention.