

Arterial Grafting For Myocardial Revascularization Indications Surgical Techniques And Results

Myocardial Revascularization by Arterial/ventricular Implants
Advances in Myocardial Revascularization Research and Treatment: 2011 Edition
Coronary Graft Failure
Atherosclerosis: New Insights for the Healthcare Professional: 2012 Edition
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Pharmacological Treatment of Chronic Stable Angina
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Off-Pump Coronary Artery Bypass
Cardiovascular Health Care Economics

Myocardial Revascularization by Arterial/ventricular Implants

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

Advances in Myocardial Revascularization Research and Treatment: 2011 Edition

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With the growing age of the population, the proportion of elderly patients with diffuse coronary artery disease and severe comorbidities is increasing. The characteristics of these patients render them unsuitable for currently recognized revascularization procedures (CABG, PTCA). Therefore, there is an urgent need for new treatment modalities which could alleviate their symptoms and increase blood flow to the ischemic myocardium, while being less invasive for their fragile condition. The aim of this book is to provide an anatomical and physiological background as well as a complete review of the alternative methods of revascularization which are under development, namely transmyocardial laser revascularization, therapeutic angiogenesis and neurostimulation.

Coronary Graft Failure

Few advances in cardiovascular medicine have so captured the interest of physicians and the public alike as has coronary artery bypass surgery. Cardiologists who lived through the era of false hopes and frustrations of previous "operations" for coronary artery disease can fully appreciate what this major advance offers to their patients. The number of papers on this topic presented at national meetings attest to its popularity, but also make it increasingly difficult for anyone to assimilate all the data. Practitioners who must consider coronary artery bypass surgery for their patients may thus have difficulty in coming to some rational decision regarding the indications for the operation and its consequences. Depending on the "authority" that one reads, there is still some controversy as to which patients are candidates for coronary artery surgery. This monograph on the practice of coronary artery bypass surgery, therefore, comes as a welcome boon to cardiologists, surgeons, internists, and general practitioners who must consider referring their patients for such surgery. It presents a balanced and reasonable picture of the overall subject, in addition to containing important information on such topics as operative technique and economic impact. Dr. Miller has done an outstanding job in bringing together in one text the important considerations related to the evaluation of patients, the natural history of coronary artery disease and the benefits and problems associated with bypass surgery.

Atherosclerosis: New Insights for the Healthcare Professional: 2012 Edition

Written by eminent cardiac anesthesiologists and surgeons, this handbook is a complete, practical guide to perioperative care in cardiac surgery. The book addresses every aspect of cardiopulmonary bypass management and fast-track and traditional cardiac anesthesia and describes all surgical techniques, with emphasis on postoperative considerations. Close attention is also given to routine care and management of complications in the cardiac surgical recovery unit. Coverage includes up-to-date information on cardiac and neurologic monitoring, off-pump surgery, new devices for anastomosis, robotic surgery, and neurologic complications and outcomes. Tables, algorithms, and 15 appendices summarize key facts, protocols, and clinical decisions.

CT of the Heart

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Leading clinicians and researchers from around the world review the full scope of current developments, research, and scientific controversy regarding the principles and applications of cardiac CT. Richly illustrated with numerous black-and-white and color images, the book discusses the interpretation of CT images of the heart in a variety of clinical, physiological, and pathological applications. The authors emphasize current state-of-the-art uses of CT, but also examine developments at the horizon. They also review the technical basis of CT image acquisition, as well as tools for image visualization and analysis.

The Practice of Coronary Artery Bypass Surgery

Coronary heart disease (CHD) is the leading cause of death worldwide. Cardioprotection refers to the prevention of CHD and the clinical improvement in patients suffering from cardiovascular problems.

Current Approach to Heart Failure

The book Coronary Artery Bypass Graft Surgery is an excellent update for health care professionals, taking care of patients who are being considered for or who have had coronary artery bypass graft surgery. The 8 chapters in this book are all written by experts in their topics. This excellent book provides the practicing physician and other healthcare personnel, who take care of patients with coronary artery disease, new information valuable in care of patients with coronary artery disease.

Pharmacological Treatment of Chronic Stable Angina Pectoris

Get expert, step-by-step guidance on a wide variety of both open and interventional cardiac surgical techniques. Atlas of Cardiac Surgical Techniques, 2nd Edition, helps you expand your surgical repertoire and hone your skills with a vividly illustrated, easy-to-navigate text and pearls and pitfalls throughout. This revised atlas covers the surgical procedures you need to master, including minimally invasive techniques, robotic surgery, aortic dissection, and much more. Seven brand-new chapters cover Hybrid Coronary Revascularization, Aortic Valve Repair Techniques, Transcatheter Aortic Valve Replacement, Robotic Mitral Valve Surgery, Surgery for Hypertrophic Cardiomyopathy, Approaches and Techniques to Extra-Corporeal Membrane Oxygenation, and Pulmonary Endarterectomy. Multiple new contributing authors offer a fresh perspective in their areas of expertise. A consistent chapter format guides you quickly from surgical anatomy and preoperative considerations through operative steps and postoperative care. More than 400 full-color images, line drawings, and intraoperative photographs clearly depict the step-by-step progression of procedures.

Primary Angioplasty

Through seven successful editions, Sabiston & Spencer Surgery of the Chest has set the standard in cardiothoracic surgery references. Now, the new 8th Edition, edited by Frank W. Sellke, MD, Pedro J. del Nido, MD, and Scott J. Swanson, MD, carries on this tradition with updated coverage of today's essential clinical

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knowledge from leaders worldwide. Guidance divided into three major sections—Adult Cardiac Surgery, Congenital Heart Surgery, and Thoracic Surgery—lets you quickly find what you need, while new and revised chapters reflect all of the important changes within this rapidly evolving specialty. Expert Consult functionality—new to this edition—enables you to access the complete contents of the 2-volume set from anyplace with an Internet connection for convenient consultation where and when you need it. This is an ideal source for mastering all of the most important current knowledge and techniques in cardiac and thoracic surgery—whether for specialty board review or day-to-day practice. Features short, focused chapters that help you find exactly what you need. Presents the work of international contributors who offer a global view of the entire specialty. Covers thoracic surgery as well as adult and pediatric cardiac surgery for a practical and powerful single source. Includes nearly 1,100 illustrations that help to clarify key concepts. Features online access to the complete contents of the 2-volume text at expertconsult.com for convenient anytime, anywhere reference. Covers the hottest topics shaping today's practice, including the latest theory and surgical techniques for mitral valve disease, advances in the treatment of congenital heart disease, minimally invasive surgical approaches to the treatment of adult and congenital cardiac disease and thoracic disease, stent grafting for aortic disease, and cell-based therapies. Your purchase entitles you to access the web site until the next edition is published, or until the current edition is no longer offered for sale by Elsevier, whichever occurs first. Elsevier reserves the right to offer a suitable replacement product (such as a downloadable or CD-ROM-based electronic version) should access to the web site be discontinued.

Sabiston and Spencer's Surgery of the Chest E-Book

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Coronary Graft Failure

This book is intended for general cardiologists and other physicians involved in the care of patients with chronic stable angina (CSA). The goal of this book is to update clinicians on recent data on the medical management of patients with CSA. Ischemic heart disease remains a major public health problem. Chronic stable angina is the initial manifestation of ischemic heart disease in approximately one half of patients. Stable coronary artery disease is generally characterized by

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episodes of reversible myocardial demand/supply mismatch, related to ischaemia or hypoxia, which are usually inducible by exercise, emotion or other stress and reproducible—but, which may also be occurring spontaneously. Such episodes of ischaemia/hypoxia are commonly associated with transient chest discomfort (angina pectoris). The aim of the management of CSA is to reduce symptoms and improve prognosis. The management of these patients encompasses lifestyle modification, control of coronary artery disease risk factors, evidence-based pharmacological therapy and patient education. All patients with stable angina should be offered optimal medical treatment, defined as one or two anti-anginal drugs as necessary, plus drugs for secondary prevention of cardiovascular disease. Regarding the role of revascularization, randomised trials provide compelling evidence that myocardial revascularisation by coronary artery bypass grafting or by percutaneous coronary intervention improves symptoms of angina relative to continued medical treatment.

Conduits for Myocardial Revascularization

Perioperative Care in Cardiac Anesthesia and Surgery

Few advances in cardiovascular medicine have so captured the interest of physicians and the public alike as has coronary artery bypass surgery. Cardiologists who lived through the era of false hopes and frustrations of previous "operations" for coronary artery disease can fully appreciate what this major advance offers to their patients. The number of papers on this topic presented at national meetings attest to its popularity, but also make it increasingly difficult for anyone to assimilate all the data. Practitioners who must consider coronary artery bypass surgery for their patients may thus have difficulty in coming to some rational decision regarding the indications for the operation and its consequences. Depending on the "authority" that one reads, there is still some controversy as to which patients are candidates for coronary artery surgery. This monograph on the practice of coronary artery bypass surgery, therefore, comes as a welcome boon to cardiologists, surgeons, internists, and general practitioners who must consider referring their patients for such surgery. It presents a balanced and reasonable picture of the overall subject, in addition to containing important information on such topics as operative technique and economic impact. Dr. Miller has done an outstanding job in bringing together in one text the important considerations related to the evaluation of patients, the natural history of coronary artery disease and the benefits and problems associated with bypass surgery.

Advances in Myocardial Revascularization Research and Treatment: 2013 Edition

Advances in Myocardial Revascularization Research and Treatment: 2013 Edition is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about Transluminal Percutaneous Coronary Angioplasty in a concise format. The editors have built Advances in Myocardial Revascularization Research and Treatment: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Transluminal Percutaneous

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Coronary Angioplasty in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of *Advances in Myocardial Revascularization Research and Treatment: 2013 Edition* has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Minimally Invasive Cardiac Surgery

The Practice of Coronary Artery Bypass Surgery

In this book it is shown how this specialty has evolved over the past 20 years, with significant advances in diagnosis and palliative and definitive techniques for correction of cardiovascular diseases. The book contains 10 chapters, which are showing the classical adult and pediatric cardiac surgery.

Interventional Cardiology

Recently, sirolimus-eluting stents implantation has been shown to decrease restenosis markedly in selected patients. Nonetheless, the effects of SES implantation in complex, unselected patients, such as those commonly treated in daily practice ('the real world'), remains largely unknown. This book comprehensively evaluates the impact of SES implantation on the outcomes of patients treated in the real world of interventional cardiology. The authors have evaluated in detail the short- and long-term outcomes of several high-risk subsets not currently included in randomized trials. While it is specific to sirolimus, the book covers the major competing drug eluting stents, including paclitaxel.

Lasers for Ischemic Heart Disease

Robotic Cardiac Surgery is a comprehensive guide to robotic/totally endoscopic cardiac surgery. The book is intended to provide in-depth information regarding the history of robotic surgical systems, their components and principles. It emphasizes patient selection, perioperative management, anesthesia considerations and management, operative techniques and management, postoperative care and results. Extensive, detailed photographs and illustrations of different kinds of robotic surgery are also included. It provides cardiac surgeons, cardiac anesthesiologists, and perfusionists with a comprehensive review of current robotic cardiac surgeries and related knowledge. Changqing Gao, MD, is a professor at the Department of Cardiovascular Surgery, PLA General Hospital, Beijing, China.

Essential Clinical Anesthesia

This concise and practical handbook covers the basics of pathophysiology,

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diagnosis, interdisciplinary surgical management, prevention and rehabilitation of patients with deep sternal wound infections and sternal osteomyelitis. All relevant aspects and surgical procedures are explained in an easily understandable way. Additionally special approaches and preventive measures are highlighted with regard to the perioperative handling as well as the rehabilitation possibilities. Through concise texts with numerous illustrations, the book is ideal for the practice and as a supplement to further studies. This book is suitable for all specialists who are involved into the treatment and diagnosis of sternal wound infections, particularly cardio-thoracic, thoracic, plastic, vascular surgeons, cardiologists, radiologists, and rehabilitation physicians.

Sirolimus-Eluting Stents

This book is intended to be a link between guidelines and clinical practice, a complementary tool to help physicians to be well informed regarding the important field of heart failure. It will be a useful tool for professionals from all the fields of cardiology: non-invasive cardiology, interventional cardiology, electrophysiology and cardiovascular imaging. The topic of heart failure is continuously changing, with new important information being added constantly. The pathophysiology is better understood and there is a trend for a better characterization of special groups of population, such as oncologic patients with heart failure. The new imaging techniques have become valuable tools for the diagnosis of heart failure, while pharmacological and novel cell and gene treatments have evolved enormously. The challenge for the practitioners is making the right selection of treatment strategy that best fits a patient. This book presents detailed information on the indications, selection and mechanism of action of these treatments, whether they be mechanical circulatory devices or pharmacological treatments. The contemporary pharmacological and non-pharmacological management of heart failure has the main target of early prevention of disease progression and the avoidance of heart transplant. In the era of shortage of donors, prevention is the mainstay of the therapeutic strategy, and this is the main philosophy of our book.

Technical Aspects of Modern Coronary Artery Bypass Surgery

Coronary surgery encompasses two thirds of all adult cardiac surgery cases. With the endless pursuit of better outcomes, modern coronary artery bypass grafting (CABG) has become technically more complex in ways that are well beyond the training of the average cardiac surgeon. The old concept of "one-technique-fits-all" has been abandoned in favour of a specialized approach tailored to the individual patient. In fact, in recent years, there is a growing movement towards establishing coronary surgery as a super-specialization of cardiac surgery. Technical Aspects of Modern Coronary Artery Bypass Surgery aims to expand on both the basics and complexities of the technical aspects of coronary surgery. It serves as an up to date resource that illustrates and details the advancement and techniques in this field which may soon become a separate super-specialty. With a particular emphasis on illustrations, the book will be an essential reference book for both established surgeons that have no experience in advanced CABG, and the new generation of CABG surgeons. A complete and concise resource on all aspects of coronary surgery In-depth illustrative review of various coronary techniques Covers both current recommendations and well-established practices in the field

Robotic Cardiac Surgery

This book is useful for physicians taking care of patients with cardiac arrhythmias and includes six chapters written by experts in their field. Chapter 1 discusses basic mechanisms of cardiac arrhythmias. Chapter 2 discusses the chronobiological aspects of the impact of apnoic episodes on ventricular arrhythmias. Chapter 3 discusses navigation, detection, and tracking during cardiac ablation interventions. Chapter 4 discusses epidemiology and pathophysiology of ventricular arrhythmias in several noncardiac diseases, methods used to assess arrhythmia risk, and their association with long-term outcomes. Chapter 5 discusses the treatment of ventricular arrhythmias including indications for implantation of an AICD for primary and for secondary prevention in patients with and without congestive heart failure. Chapter 6 discusses surgical management of atrial fibrillation.

Coronary Artery Disease

Nonpharmacological treatments include a wide variety of treatments such as surgery, technical procedures, implantable and non-implantable devices, rehabilitation, psychotherapy, and behavioral interventions. Unlike pharmacological treatments, these have no specific requirements for approval. Consequently, they can be widely proposed in clinical practice but may not have been adequately evaluated. This situation is an important barrier for the evaluation of the beneficial effects of these treatments and the conduct of clinical trials. Randomized Clinical Trials of Nonpharmacologic Treatments focuses on the methods for assessing nonpharmacological treatments, highlighting specific issues and trial design. Features: Chapters written by international experts in the field Highlights specific issues in assessing nonpharmacological treatments in trials including: how to overcome the difficulties of blinding patients, care providers, and outcome assessors the complexity of the intervention, the learning curve, and the clustering effect placebos that can be used issues of assessing harm and assessing the applicability of trials Presents a variety of trial designs for nonpharmacological treatments—including cluster randomized controlled trials, expertise-based trials, pragmatic trials, and nonrandomized trials. Provides several examples of the planning, conduct, analyses, and reporting of trials in different fields, including surgery, technical interventions, medical devices, rehabilitation, psychotherapy, and behavioral interventions. Providing practical examples that underline these issues and solutions, this book is one of the first to exclusively explore this topic, discussing various categories of treatments, from surgical procedures to psychotherapy.

Practical Textbook of Cardiac CT and MRI

This up-to-date textbook comprehensively reviews all aspects of cardiac CT and MRI and demonstrates the value of these techniques in clinical practice. A wide range of applications are considered, including imaging of atherosclerotic and non-atherosclerotic coronary artery disease, coronary revascularization, ischemic heart disease, non-ischemic cardiomyopathy, valvular heart disease, cardiac tumors, and pericardial disease. The numerous high-quality images illustrate how to interpret

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cardiac CT and MRI correctly for the purposes of diagnosis, treatment planning, and follow-up. Helpful summarizing sections in every chapter will facilitate rapid retrieval of information. This book will be of great value to radiologists and cardiologists seeking a reliable guide to the optimal use of cardiac CT and MRI in real clinical situations. An additional feature is the provision of QR codes allowing internet access to references, further figures, and motion pictures. The reader will be able to enjoy this book using a smartphone or tablet PC.

Translational Research in Coronary Artery Disease

Translational Research in Coronary Artery Disease: Pathophysiology to Treatment covers the entire spectrum of basic science, genetics, drug treatment, and interventions for coronary artery disease. With an emphasis on vascular biology, this reference fully explains the fundamental aspects of coronary artery disease pathophysiology. Included are important topics, including endothelial function, endothelial injury, and endothelial repair in various disease states, vascular smooth muscle function and its interaction with the endothelium, and the interrelationship between inflammatory biology and vascular function. By providing this synthesis of current research literature, this reference allows the cardiovascular scientist and practitioner to access everything they need from one source. Provides a concise summary of recent developments in coronary and vascular research, including previously unpublished data Summarizes in-depth discussions of the pathobiology and novel treatment strategies for coronary artery disease Provides access to an accompanying website that contains photos and videos of noninvasive diagnostic modalities for evaluation of coronary artery disease

Cardiac Arrhythmias

This book provides an invaluable practically applicable and comprehensive manual to coronary artery bypass grafting (CABG) surgery. Critical concepts and techniques are discussed in an easy-to-follow and understand step-by-step guide, featuring a wealth of intraoperative photos and illustrations with concise and instructive descriptions. Topics covered include classical sternotomy, variants of arterial revascularization, off-pump and minimally invasive techniques (MICS-CABG). Operative Techniques in Coronary Artery Bypass Surgery provides invaluable assistance to residents, fellows and trainee surgeons by explaining theoretical and technical aspects of the latest advances in procedural techniques and therapy personalization to optimize CABG surgical outcome. Considering that any heart team depends entirely on the participants' knowledge and their willingness to cooperate, this work allows cardiologists and the other participants of a heart team to better understand the strengths and limitations of state-of-the-art surgical coronary revascularization. The concepts synthesized within the checklists and decision algorithms provided also enable the reader to develop their knowledge of which technique is the most appropriate for a particular patient.

Cardioprotection

This new volume offers a balanced and current presentation of the key topics that form the cornerstone of an Interventional Cardiology training program. Globally

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recognized editors and contributors draw on their years of experience to provide practical information emphasizing the basics of material selection and optimal angiographic setup for purposes of the interventional procedure. Comprehensive chapters address the different techniques of approaching complex coronary lesions such as chronic occlusions, bifurcations, and unprotected left main lesions.

Diabetes Mellitus: Associated Conditions, An Issue of Endocrinology and Metabolism Clinics of North America,

In 1962, Thomas Kuhne coined the term “paradigm shift” while arguing that human knowledge advances by quantum leaps with interspersed smaller steps. Preparation for the major advance is generally not a concerted effort by thought leaders. Rather, a few (or one) visionaries gain insights into a process and are able to definitely demonstrate the accuracy of their worldview. Often, the epiphany does not occur during the intellectual lifetime of the discoverers. Medicine has had numerous such “paradigm shifts” including the compelling reworking of Galen’s concepts of the body. Of note, the scientific world of the time explained the new views by arguing that the human body must have changed between the time of ancient Greece and modern Europe. The inauguration of cardiac surgery itself required profound shifts in medicine’s view of physiology. Yet, over the ensuing 40 years, the field was fine tuned so we could provide greater than 95% success rates in elective surgery with low cost and short hospital stays. In some parts of the world, the procedures were viewed as commodities and prices dropped as providers were unable to differentiate the quality of their work. As patients and their physicians became more demanding, the desire to make the procedures “minimally invasive” grew. In effect, what we were really searching for was a life saving procedure that also preserved quality of life. In short, “minimally invasive” has really been a code phrase for procedures that disrupt our quality of life the least.

Operative Techniques in Coronary Artery Bypass Surgery

This book is open access under a CC BY 4.0 license. This quick-reference handbook offers a concise and practical review of key aspects of the treatment of ST-segment elevation myocardial infarction (STEMI) in the era of primary percutaneous coronary intervention (PPCI). In the context of STEMI, PPCI is the preferred mode of emergency revascularization. Access to PPCI is rapidly increasing and is now routinely practiced in both general and specialist hospitals and there has been a recent emphasis on developing STEMI networks to enhance and expedite the referral pathway. This coupled with concurrent developments to enhance the safety and efficacy of the PPCI procedure has heralded an era where STEMI interventions are increasingly considered an important subspecialty within interventional cardiology. Written by leading cardiologists who have been instrumental in the adoption of PPCI in their respective institutions, the book provides junior and senior cardiologists alike with insightful and thought-provoking tips and tricks to enhance the success of PPCI procedures, which may in turn translate into direct improvements in outcomes. The book is also relevant for healthcare providers and emergency department physicians.

Encyclopedia of Heart Diseases

Randomized Clinical Trials of Nonpharmacological Treatments

Coronary artery bypass surgery has been developed since 1960s to overcome proximal coronary artery disease. Worldwide, the number of patients that are undergoing coronary artery bypass surgery is steadily increasing. Depending on diverse risk factors, one fifth of grafts are occluded at 1 year. For the remaining, graft patency last usually 8–15 years. This book brings together the main specialists in the field to review the current evidence on epidemiology, pathophysiology, diagnostic, new imaging techniques and specific therapeutic modalities. This volume aims to update a complex subject represented by coronary graft failure. The authors of this monograph are interventional cardiologists, cardiovascular surgeons and research scientists, who will be creating four parts and 71 chapters that are divided in order to give a uniform interpretation of this condition including all aspects of coronary graft failure This book not only provides the most up-to-dated scientific evidence in the field but in a two-step manner. Each chapter is divided into a at a glance part that reflects the basic evidence on the topic, and a “full picture” part that brings all what the advanced reader should be brought with.

Atlas of Cardiac Surgical Techniques E-Book

This book is a valuable resource on the subject of off-pump coronary artery bypass (OPCAB) surgery, which has recently been developed as a promising technique for reducing surgical damage to patients. Because of the increasing number of older patients who are candidates for a coronary artery bypass graft (CABG) operation, less-invasive surgeries are becoming a priority all over the world. Despite some challenges, such as its technical difficulties, emerging questions, and controversies involved, OPCAB surgery in CABG is now the gold standard in Japan. This book, written by OPCAB experts, examines the procedure established and its chief benefits. Its coverage ranges from a careful evaluation of the evidence for and against OPCAB surgery to preoperative and intraoperative management of patients undergoing coronary bypass surgery. It also contains a description of advanced techniques for every aspect of the procedure. The authors[share essential insights into the latest trends in cardiovascular surgery for professionals and residents, presenting detailed descriptions of the exposure of the heart, stabilization of each coronary artery target, construction of distal anastomoses, and other important factors. The book offers an invaluable reference guide for cardiac surgeons, cardiologists, anesthesiologists, and other medical staff in operating rooms around the world.

Arterial Grafting for Myocardial Revascularization

Surgical Treatment of Coronary Arteriosclerosis

An illuminating and timely synthesis of methodological and clinical studies showing

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how medical costs can be established, how the value of clinical outcomes can be assessed, and how difficult choices can be rationally made. The methodological chapters review the conceptual and practical issues involved in estimating and interpreting health care costs, making health status and utility assessments, and statistically analyzing cost-effectiveness and clinical trials. The clinical chapters apply these methods to the major clinical areas of cardiology-primary prevention of coronary artery disease, acute coronary syndromes, angioplasty vs coronary bypass surgery, CABG vs medicine, congestive heart failure, arrhythmias, and cardiac surgery. Additional chapters consider the use of economic studies for policy purposes and the future of Medicare under a balanced budget in an aging America.

Cardiac Surgery

Coronary artery bypass surgery has been developed since 1960s to overcome proximal coronary artery disease. Worldwide, the number of patients that are undergoing coronary artery bypass surgery is steadily increasing. Depending on diverse risk factors, one fifth of grafts are occluded at 1 year. For the remaining, graft patency last usually 8-15 years. This book brings together the main specialists in the field to review the current evidence on epidemiology, pathophysiology, diagnostic, new imaging techniques and specific therapeutic modalities. This volume aims to update a complex subject represented by coronary graft failure. The authors of this monograph are interventional cardiologists, cardiovascular surgeons and research scientists, who will be creating four parts and 71 chapters that are divided in order to give a uniform interpretation of this condition including all aspects of coronary graft failure This book not only provides the most up-to-dated scientific evidence in the field but in a two-step manner. Each chapter is divided into a at a glance part that reflects the basic evidence on the topic, and a "full picture" part that brings all what the advanced reader should be brought with.

Deep Sternal Wound Infections

Coronary artery atherosclerosis is the most common cardiac pathology, which is the primary cause of cardiac mortality. Coronary artery stenosis usually involves the proximal portion of the larger epicardial coronary arteries, but diffuse coronary artery disease is also not rare. Most of the patients with/without several comorbidities have asymptomatic atherosclerotic lesions in the coronary territory, and hence early assessment of coronary artery pathology is of utmost importance. Since early surgical intervention is superior to percutaneous interventions, coronary artery bypass grafting is the first choice for the treatment of coronary artery disease. Coronary revascularization can be performed with different approaches according to the patients risk factors. Preventive treatment of coronary artery disease should be the basic strategy for a healthy system.

Arterial Grafting for Coronary Artery Bypass Surgery

The clinical practice of anesthesia has undergone many advances in the past few years, making this the perfect time for a new state-of-the-art anesthesia textbook

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

Coronary Artery Bypass Graft Surgery

This issue of the Endocrinology and Metabolism Clinics, guest edited by Drs. Leonid Poretsky and Emilia Pauline Liao, will focus on Diabetes Mellitus: Associated Conditions. Articles in this issue include Metabolic syndrome; The role of glucocorticoids and insulin resistance in adipose tissue function and lipid metabolism; Cardiovascular disease; The Relationships between Cardiovascular Disease and Diabetes: Focus on Pathogenesis; Interventions for coronary artery disease; Peripheral Arterial Disease; Hypertension; Sleep apnea; Osteoporosis; Vitamin D deficiency; Diabetes and cancer; Dementia; Depression; and Polycystic Ovary Syndrome.

Off-Pump Coronary Artery Bypass

With a vast background of personal experience and a review of more than 300 references, Dr. Segesser has written a book to close the gap between the theory and practice of coronary artery revascularization. In particular, he shows the possibilities and limitations of internal mammary artery grafting in this surgical procedure. The chapters guide you to a thorough understanding of the subject, from anatomy and pathology, to experimental studies and the history of first surgical attempts, to clinical application and results. The discussion of long-term follow-up, complications and re-operations point to areas of success as well as subjects for future research. The details provided here about operative strategies and their outcomes give the cardiovascular surgical team important feedback about present practices which will help lead to improved clinical results.

Cardiovascular Health Care Economics

This updated edition examines the biological characteristics and clinical use of arterial grafts for coronary artery bypass surgery. It contains first-hand information on arterial grafts, as well as vein grafts with regard to biological characteristics, clinical use including off-pump coronary bypass grafting surgery, results, and future developments. The book is a practical guide and as a stimulus for further

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improvement of arterial grafting techniques.

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