Franke Valve Replacement Guide

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Handbook of Hydraulic Resistance
The Rehab Guide: Kitchens & baths
Railway Track and Structures
Instrumentation Technology
Diagnosis and Treatment of Aortic Diseases
Patient Blood Management in Cardiac Surgery
The Engineer
Percutaneous Interventions for Structural Heart Disease
Interventions in Structural, Valvular and Congenital Heart Disease
Three-dimensional Echocardiography
Engineering
The Brewer's Digest
Advances in Treatments for Aortic Valve and Root Diseases
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Handbook of Hydraulic Resistance

"Shows how to recognize NP-complete problems and offers proactical suggestions for dealing with them effectively. The book covers the basic theory of NP-completeness, provides an overview of alternative directions for further research, and contains and extensive list of NP-complete and NP-hard problems, with more than 300 main entries and several times as many results in total. [This book] is suitable as a supplement to courses in algorithm design, computational complexity, operations research, or combinatorial mathematics, and as a text for seminars on approximation algorithms or computational complexity. It provides not only a valuable source of information for students but also an essential reference work for professionals in computer science"--Back cover.

The Rehab Guide: Kitchens & baths

Accurately identify complex geometrical distortions of cardiac anatomy using 3-D echocardiography and make more...
informed decisions regarding diagnosis and treatment. A highly visual, consistent, and practical format with online videos and more presents the authoritative, case-based, expert guidance you need to enhance your utilization and interpretation of this cutting-edge, dimensional diagnostic tool. Master the application of techniques to specific clinical situations with detailed case studies and discussions of challenging issues. See imaging findings as they appear in practice and discern subtle nuances with the aid of high-quality still images plus online videos. Reference the information you need quickly thanks to easy-to-follow, templated chapters, with an abundance of images and figures that facilitate visual learning. Take it with you anywhere! Access the full text, downloadable image library, videos, and more at www.expertconsult.com. Sharpen your interpretive and diagnostic skills in 3-D echo!

Railway Track and Structures

This guidebook, now thoroughly updated and revised in its second edition, gives comprehensive advice on the designing and setting up of monitoring programmes for the purpose of providing valid data for water quality assessments in all types of freshwater bodies. It is clearly and concisely written in order to provide the essential information for all agencies and individuals responsible for the water quality.

Instrumentation Technology

Diagnosis and Treatment of Aortic Diseases

This book provides a comprehensive overview of tricuspid valve disease and an overview of different therapeutic options such as surgical and percutaneous approaches, current clinical trials and registries in the field of tricuspid valve disease. The book has an educational goal with key messages highlighted at the end of each chapter to assist comprehension of the often complex concepts. Practical Manual of Tricuspid Valve Diseases assists the clinician in dealing with different manifestations of tricuspid valve disease and providing help for choosing the best option for the management of these patients. It therefore serves as the standard reference regarding all aspects of tricuspid valve disease in adults and will be of importance to all medical professionals involved in the management of these patients.

Patient Blood Management in Cardiac Surgery

The Engineer
This volume of Interventional Cardiology Clinics will have two parts. Part I will cover Transcatheter Tricuspid Valve Intervention and be edited by Dr. Azeem Latib. Part II will focus on Interventional Therapy for Pulmonary Embolism, with editorial direction from Dr. Jay Giri. Topics covered in Part I include: Interventional Imaging of the Tricuspid Valve; Percutaneous Tricuspid Annuloplasty; Tricuspid Spacers; Caval valve implantation; and Transcatheter Tricuspid Valve Replacement. Articles in Part II include, but are not limited to: Systemic Thrombolysis for Pulmonary Embolism; Catheter-Based Embolectomy for Acute Pulmonary Embolism; Mechanical Hemodynamic Support for Acute Pulmonary Embolism; Caval Filters: Current and Future Concepts; and Balloon Pulmonary Angioplasty for Chronic Thromboembolic Pulmonary Hypertension.

**Percutaneous Interventions for Structural Heart Disease**

Structural heart disease interventions are a diverse group of novel treatments that have evolved from a small number of procedures to an impressive array of new approaches to diseases that have been traditionally managed by surgery and medical therapy. This book has been prepared for use by physicians and non-physicians who have an interest in SHD interventions and desire a practical, comprehensive, and clinical summary of established and emerging percutaneous interventions. The chapters are authored by recognized experts from around the world. There are five major sections including: 1) Core Knowledge in SHD Intervention 2) Specialized Skills for the Interventionalist 3) Closure of Congenital and Acquired Defects in Adults 4) Transcatheter Therapy for Valvular Disease 5) Specialized Procedures Features Include: Extensive images to present anatomical complexities and diversity including some interactive 3-D graphics Presentation of transcatheter mitral valve repair Chapter on how to set up & credential a SHD program

**Interventions in Structural, Valvular and Congenital Heart Disease**

**Three-dimensional Echocardiography**

**Engineering**

**The Brewer's Digest**
Acquire a thorough understanding of cardiac imaging! "I believe radiologists, cardiologists, and clinicians, as well as trainees, will find The Complete Guide to Cardiac CT to be an indispensible tool for learning the subject matter. It is practical in approach, but is solidly grounded in evidence-based medicine with a comprehensive review of the literature and timely references. The textbook provides an ideal resource for the cardiac imager and serves as an exceptional reference tool for understanding the anatomy and disease processes of the heart and coronary circulatory systems."--Theresa C. McLoud, MD, Dept. of Radiology, Massachusetts General Hospital, and Professor of Radiology, Harvard Medical School (from the foreword) Based on the popular review courses of educator and radiologist Dr. Simeon Abramson, The Complete Guide to Cardiac CT is a timely, hands-on learning tool—one that will help you master every important aspect of cardiac CT, from acquisition to interpretation. This unique guide translates complex concepts and topics into understandable, relevant subject matter and includes contributions from international leaders in cardiac CT. Designed for the practical, day-to-day application of cardiac CT, the text also serves as a comprehensive visual resource more than 1000 laser-precise images and illustrations, all of which reflect the latest clinical acumen and cardiac imaging technology. FEATURES Focuses on the recognition, identification, and comprehension of heart and coronary circulatory pathology Valuable to clinicians at any experience level Logical 4-part organization consists of: Technology section that encompasses coronary CT angiography technique, radiation concepts, and successful application of radiation dose reduction tools—plus a detailed review of strategies for overcoming suboptimal examinations, complete with case examples. Coronary Arteries section that thoroughly examines plaque detection and characterization, stenosis assessment, stents and bypass grafts, and assessment of coronary artery anomalies. Beyond the Coronary Arteries details cardiac CT anatomy; myocardial, pericardial and valvular pathology; electrophysiology applications; and congenital heart disease in both pediatric and adult populations. Controversial topics focuses on the utilization of cardiac CT in the acute setting, institution of the triple rule-out protocol, and anatomic versus physiologic imaging with Rubidium PET/CT/ Helpful pedagogy includes numerous tables, diagrams, figures, and illustrations

**Advances in Treatments for Aortic Valve and Root Diseases**

**Treatment of Pulmonary Hypertension**

This book describes the different aspects of aortic valve and root diseases including comprehensive discussion of the state-of-the-art diagnostic imaging options, disease risk stratification, selection of candidates for valve repair or percutaneous intervention, and most recent therapeutic options. The growing prevalence of valvular heart disease represents a major challenge in terms of short- and long-term management and surveillance. Aortic valve diseases, including aortic stenosis and regurgitation, are among the most frequent of these, while the number of cases of aortic root disease is also on the
rise. Aortic valve disease treatment options include valve surgery, valve repair, minimally invasive valve surgery, and percutaneous approaches and all are covered in this volume. Advances in Treatments for Aortic Valve and Root Diseases is a highly illustrated, case oriented reference aimed at cardiology fellows in training, while also helpful to surgeons, cardiologists, imagers, interventionalists, as well as other clinicians and students involved in the diagnosis and treatment of aortic valve and root diseases.

Books and Pamphlets, Including Serials and Contributions to Periodicals

This book is an up-to-date summary of all aspects of aortic disease, written by international experts in their fields, covering diagnostic concepts of all aortic diseases, the most modern therapeutic approaches in various aortic syndromes, the pathogenic origin and the most recent molecular and cellular findings that have revolutionized our present knowledge of aortic diseases. The reader will come to understand the aorta as a functional organ with a complex regulatory system rather than just a major arterial vessel, and will have a better understanding of the prognostic impact of various aortic syndromes, and of the most recent therapeutic concepts for chronic as well as acute aortic pathology. As a unique feature of this book, the aorta is placed in the center of systemic illnesses, such as atherosclerosis, diabetes, hypertension, infectious diseases and connective tissue disorders, storage diseases, trauma and toxic factors; this concept aims to attract the attention of both clinical specialties such as cardiology, radiology and cardiovascular surgery and adjacent areas like pathology and clinical genetics. The book portrays the aorta as an integral part of the cardiovascular system and the entire organism and features the complexity and clinical impact of all major aortic diseases.

Practical Manual of Tricuspid Valve Diseases

This concise manual describes in detail how to perform a transcatheter aortic valve replacement (TAVR) procedure and provides cardiac surgeons and cardiologists with the foundation necessary to begin practicing TAVR. It includes background on the landmark data establishing the field of TAVR, instructions in the pre- and post-operative management of TAVR patients, and technical descriptions of the newest and most common devices and how to use them. Written by leaders in the field, it offers an unbiased, academic review and describes the experience of colleagues who have learned through trial and error. The Transcatheter Aortic Valve Replacement Manual is an essential resource for physicians and related professionals, residents, fellows, and graduate students in cardiology, cardiac surgery, thoracic surgery, and vascular surgery.

Mechanics Magazine
At one time, many children born with congenital heart disease (CHD) suffered from issues that carried fatal prognoses. But that's changing, thanks to technological advances. Interventions in Structural, Valvular, and Congenital Heart Disease, Second Edition guides you through the interventional treatment of congenital, valvular, and stru

Subject guide to German books in print

Intraoperative Echocardiography- E-BOOK

Intraoperative Echocardiography - a volume in the exciting new Practical Echocardiography Series edited by Dr. Catherine M. Otto - provides practical, how-to guidance on intraoperative echocardiography in adult and pediatric patients. Definitive, expert instruction from Dr. Donald C. Oxorn is presented in a highly visual, case-based approach that facilitates understanding and equips you to master this difficult technique while overcoming the unique challenges and risks it presents. Access the full text online at www.expertconsult.com along with cases, procedural videos and abundant, detailed figures and tables that show you how to proceed, step by step, and get the best results. Master challenging and advanced intraoperative echocardiography techniques such as epiarterial echocardiography and 3-D echocardiography through a practical, step-by-step format that provides a practical approach to image acquisition and analysis, technical details, pitfalls, and case examples. Reference the information you need quickly thanks to easy-to-follow, templated chapters, with an abundance of figures and tables that facilitate visual learning. Become an expert in echocardiographic evaluation of complex valvular heart disease, congenital heart disease, and intravascular devices in patients undergoing cardiac surgery and interventional cardiology procedures. Access the complete text and illustrations online at www.expertconsult.com plus video clips, additional cases, and much more!

Catalog of Copyright Entries

Mechanics magazine

The purpose of this book specifically is to teach surgeons (academic or community), surgical fellows and surgical residents regardless of the surgical specialty, the skills to appraise what they read in the surgical literature. Surgeons need to be able to understand what they read before applying the conclusions of a surgical article to their practice. As most surgeons do not have the extra training in health research methodology, understanding how the research was done, how to interpret the results and finally deciding to apply them to the patient level is indeed a difficult task. Chapters explain the methodological
issues pertaining to the various study designs reported in the surgical literature. Most chapters begin with a clinical scenario with uncertain course of action with which most surgeons are struggling. Readers are taught how to search the literature for the best evidence that will answer the surgical problem under discussion. An identified article that seems relevant to the problem you are investigating can be appraised by addressing 3 key questions: 1). Is the study I am reading valid? 2). What are the results of this study? 3). Can I apply these results to my patients? While the primary goal of Evidence-Based Surgery is to teach surgeons how to appraise the surgical literature, an added benefit is that the concepts explained here may help research-minded surgeons produce higher quality research.

Chemical Engineering Progress

This title will be presented as highly practical information on pharmaceutical options in pulmonary hypertension, written in a quick-access, no-nonsense format. The emphasis will be on a just-the-facts clinical approach, heavy on tabular material, light on dense prose. The involvement of the ISCP will ensure that the best quality contributors will be involved and establish a consistent approach to each topic in the series. Each volume is designed to be between 100 and 150 pages containing practical illustrations and designed to improve understand and practical usage of cardiovascular drugs in specific clinical areas.

The Rehab Guide

Custom Builder

Covering the full range of diagnosis and treatment for valvular heart disease, this award-winning reference provides the information you need for safe and effective practice. Part of the Braunwald's family of heart disease references, Valvular Heart Disease, 5th Edition, brings you fully up to date with the latest procedures, imaging modalities, basic science, diagnostic criteria, and treatment guidelines in this fast-changing area. Internationally renowned authors Dr. Catherine M. Otto and Dr. Robert O. Bonow help you apply today's best, evidence-based medical and surgical approaches in your daily practice. Covers current topics such as transcatheter aortic valve replacement (TAVR), timing of intervention for mitral regurgitation, imaging guidance of transcatheter valve procedures, management of prosthetic valve, advanced imaging of the aortic and mitral valves, management of valve disease in pregnant women, and advances in diagnosis and treatment of endocarditis. Contains new chapters on the imaging approach before TAVR, transcatheter valve-in-valve implantation for prosthetic valve stenosis, and management of pulmonic valve disease. Provides summaries of ACC, AHA, and ESC guidelines for guidance on best practices. Includes all the latest imaging modalities for a full understanding of tools needed
for the most accurate physiologic understanding and accurate diagnoses. Offers access to 80 videos that help you visualize heart valve anatomy and dysfunction, as well as important techniques and procedures. Features an extensive number of new and updated illustrations of anatomy and physiology, methodology, flow charts, and clinical examples—750 high-quality images in all. Reorganizes chapters to closely link imaging and interventional approaches for aortic and mitral valve disease. Emphasizes evidence-based approaches with outcome data and relevant references. 2014 BMA Medical Book Awards 1st Prize Award Winner in Cardiology category.

Home


Industrial Equipment News

The first edition, published in 1973, has become a classic reference in the field. Now with the second edition, readers will find information on key new topics such as neural networks and statistical pattern recognition, the theory of machine learning, and the theory of invariances. Also included are worked examples, comparisons between different methods, extensive graphics, expanded exercises and computer project topics. An Instructor's Manual presenting detailed solutions to all the problems in the book is available from the Wiley editorial department.

Ventricular Arrhythmias

Angela's Ashes

Ventricular arrhythmias cause most cases of sudden cardiac death, which is the leading cause of death in the US. This issue reviews the causes of arrhythmias and the promising new drugs and devices to treat arrhythmias.

Atlas of 3D Echocardiography E-Book

Appropriate for upper-division undergraduate- and graduate-level courses in computer vision found in departments of Computer Science, Computer Engineering and Electrical Engineering. This textbook provides the most complete treatment
of modern computer vision methods by two of the leading authorities in the field. This accessible presentation gives both a
general view of the entire computer vision enterprise and also offers sufficient detail for students to be able to build useful
applications. Students will learn techniques that have proven to be useful by first-hand experience and a wide range of
mathematical methods.

**Transcatheter Tricuspid Valve Intervention / Interventional Therapy for Pulmonary Embolism, An Issue of Interventional Cardiology Clinics, E-Book**

**Pattern Classification**

**Evidence-Based Surgery**

**The Complete Guide to Cardiac CT**

**Structural Heart Disease Interventions**

**Transcatheter Aortic Valve Replacement**

**Valvular Heart Disease: A Companion to Braunwald's Heart Disease E-Book**

**Water Quality Assessments**

**Computers and Intractability**
This book presents the percutaneous techniques and technologies most frequently employed in structural interventional cardiology, focusing especially on how to optimize outcomes and minimize risk. Interventional procedures for aortic stenosis, mitral regurgitation, left atrial appendage closure, patent foramen ovale closure, and closure of interatrial and interventricular defects are clearly presented step by step with the aid of a wealth of images. These descriptions are complemented by a case-based analysis of the various structural pathologies and their complications. Clear guidance is also provided on patient selection, preoperative evaluation, and choice of available devices. The authors are all acknowledged experts with extensive experience in laboratories and surgical units. The book fully reflects the rapid changes in structural interventional cardiology that have occurred during recent years. These advances are in particular due to the introduction of transcatheter aortic valve implantation, which allows cardiac surgeons to achieve excellent outcomes in patients at high surgical risk. Other exciting developments include new technologies that permit better treatment of other structural cardiac pathologies and valid alternatives to medical therapy in particular patient groups.

**Computer Vision: A Modern Approach**

This book provides a multidisciplinary approach to the maintenance of hemostasis and minimisation of blood loss in patients undergoing cardiac surgery. All aspects of patient blood management are covered that may contribute to a reduction in perioperative bleeding and transfusion requirements in cardiac surgery. This is achieved through practical cases and a theoretical background that gives a better understanding of patient hemostasis and the occurrence of bleeding complications. This book is relevant to cardiac surgeons, anesthesiologists, clinical perfusionists, hematologists and intensivists.