

# Carpentiers Reconstructive Valve Surgery From Valve Analysis To Valve Reconstruction

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carpentier s reconstructive valve surgery presents you with authoritative guidance on reconstructive techniques for degenerative mitral valve disease alain carpentier md phd who pioneered the field david h adams md and farzan filsoufi md provide step by step instructions for each procedure and over 200 detailed anatomic drawings so that you can effectively apply the techniques of a master apply the techniques and procedures of dr alain carpentier pioneer of mitral valve reconstruction to your practice view more than 200 detailed anatomic drawings that depict reconstruction procedures clearly master each procedure using step by step instructions and a consistent chapter format grasp the nuances of procedures thanks to tips from the master and a section of questions and answers tap into the knowledge and experience of leaders in the field of mitral valve repair and reconstruction

surgical options for the treatment of degenerative ischemic inflammatory and functional mitral valve diseases have expanded greatly in recent decades still a dilemma exists with employing prosthetic mitral valves in that mechanical valves exhibit good durability but require anticoagulation versus the unpredictable durability of biological valve prostheses over the past few years it has become clear that reconstruction of the mitral valve with autologous tissues effectively addresses this dilemma with no need for anticoagulation and excellent durability combining the best qualities of both prosthetic options without the disadvantages moreover newer repair strategies such as autologous pericardial leaflet augmentation and artificial choral replacement have expanded reparative approaches into virtually all pathologies with excellent long term results as compared to prosthetic valve replacement at present mitral repair is becoming the dominant procedure for treatment of virtually all patients with mitral valve disease this book is designed to illustrate contemporary and sometimes diverse surgical techniques for various types of mitral valve repair with contributions from many of the leaders in the field mitral valve repair and the recently published aortic root surgery are book publications arising from the berlin heart valve symposium 2008 entitled the biological solution the mitral valve repair session was postponed to june 2009 and was featured as the berlin mitral valve symposium at the joint meeting of the society for heart valve diseases and the heart valve society of america in berlin the book contains a collection of proceedings on current techniques and outcomes of mitral valve repair by many of the experts in this field which provide an authoritative reference source for cardiac surgeons family practitioners and clinicians

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 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

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transcatheter valve repair discusses all aspects related to percutaneous and established valve repair methods the book is divided into few major sections covering all four valves and other topics each section contains several chapters discussing everything related to that valve beginning with the pulmonary valve since it was the first valve to be tackled in the catheterization laboratory and then moving to the aortic then the mitral and then finally end with the tricuspid valve 1.5m us citizens alone have some degree of aortic valve stenosis with half 750k requiring aortic valve replacement aortic valve replacement on the whole is performed by surgeons requiring bypass machines and technicians as well as the usual operating team the operation is expensive and occupies a considerable amount of operating room time mostly the aortic valve is calcified and the usual option available to patients is valve replacement with a variety of choices ranging from porcine valves to synthetic for which there are many manufacturers it should be noted that the aortic valve is the most problematic of valves percutaneous procedures are the answer the bottom line is that given the growing elderly population many more patients will require valve repair thus increasing health care costs with not only surgical operations but also hospitalisation percutaneous valve repair whilst requiring a cath lab team does not involve bypass machines nor extended hospitalisation like percutaneous transluminal coronary artery interventions ptca has replaced coronary artery bypass grafts once the golden standard and now stenting having replaced ptca and its balloons we now see drug eluting stents replacing ordinary stents though at a much higher cost there will be a huge movement toward percutaneous valve repair which should presumably cut costs but also morbidity and mortality

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the only reference wholly dedicated to this complex topic diagnosis and treatment of mitral valve disease a multidisciplinary approach provides authoritative must have information on the disease processes affecting the mitral valve interpretation of diagnostic studies and medical transcatheter and surgical treatments needed for mitral valve repair using a multidisciplinary approach drs scott goldman and william gray oversee a who's who team of contributing authors who offer a holistic view of the modern treatment of mitral valve disease for today's cardiac surgeons cardiologists and other cardiac team members includes foundational chapters on anatomy and pathophysiology of the mitral

valve critically important topics when treating multiple complex and highly dynamic structures that function as a single unit covers diagnostic tools medical treatments surgical therapies and transcatheter therapies and provides tips for developing a successful mitral valve program with baseline thresholds common pitfalls and a checklist for hospitals uses an accessible quick reference format that features takeaway chapter openers bulleted key points end of chapter summaries a common nomenclature and glossary of terms key references and ample line drawings photographs tables charts and graphs throughout incorporates the essential role of imaging in structural transcatheter interventions including echocardiography and transcatheter edge to edge repair tear and their uses in diagnostic work up procedural planning intra procedural guidance and follow up features dozens of procedural videos including transthoracic echocardiogram cardiac mri for mitral regurgitation transcatheter mitral valve repair transcatheter valvuloplasty percutaneous mitral valve interventions mitraclip™ positioning and many more enhanced ebook version included with purchase your enhanced ebook allows you to access all of the text figures and references from the book on a variety of devices

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cardiomyopathy and severe arrhythmogenic right ventricular cardiomyopathy new section on hybrid cardiac procedures in the cardiac surgery chapter include image guided catheter based interventions with direct transcatheter transatrial transventricular transapical surgical approaches to the heart

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