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*The History of
Cardiac Surgery, 1896-1955*



The History Of Cardiac Surgery 1896 1955

Peipei Pang



The History Of Cardiac Surgery 1896 1955:

The History of Cardiac Surgery, 1896-1955 University Microfilms International, 1991 *The History of Cardiac Surgery, 1896-1955* Stephen L. Johson, 1991 **A History of Cardiac Surgery** Ugo Filippo Tesler, 2020-01-02 The beginning of cardiac surgery is generally considered to be the successful repair of a wound of the heart that took place on the 7th of September 1896 in Frankfurt am Main This operation put an end to the widespread belief that nature had set the heart beyond the limits of surgery The successive development of heart surgery moved together with other advances that were rapidly taking place in various fields of medicine and surgery and which already in the first half of the 20th century had allowed surgical pioneers to successfully correct a number of congenital and acquired heart diseases by adopting closed heart techniques Undoubtedly the most notable progress in the history of cardiac surgery took place between the second half of the 1950s and the end of the 1960s with the introduction of extra corporeal circulation that allowed surgeons to perform interventions under direct vision within the bloodless heart chambers This fundamental technological innovation fostered the development of surgical procedures that are still adopted to this day Among these that must be mentioned are the correction of complex congenital heart diseases the designing and creation of implantable prosthetic heart valves the introduction of coronary artery surgery the repair of severe diseases of the aorta the commencement of heart transplantation and the first implantation of an artificial heart This book narrates these fascinating and sometimes dramatic events as well as detailing some of the greatest pioneers of cardiac surgery *The Evolution of Cardiac Surgery* Harris B. Shumacker, 1992 This book is the first complete history of the development of heart surgery Its story ranges from the observations of the ancient Greeks through early efforts to repair heart wounds in the nineteenth century to the extraordinary advances of the present day Noted heart surgeon Harris B Shumacker has scoured the vast literature on heart surgery in many languages and has succeeded in untangling the complex strands of a fascinating story An active and respected participant in the last half century of this history Shumacker brings to his narrative an experts insights and a wealth of first hand experience As a backdrop for what is to come Shumacker surveys the prehistory of modern heart surgery but his story begins in earnest in the 1920s and 1930s when the first attempts were made to operate on the heart and adjacent vessels to correct congenital malformations He describes the early operations on the great vessels and surface of the heart intracardiac manipulations upon the beating functioning and unsupported heart and operations carried out within the opened heart With the meticulous care of a surgeon Shumacker retraces the incremental growth in our knowledge of the human heart and its repair with clear discussions of each innovative procedure both the successes and the failures He pays special attention to clarifying the individual contributions of the many doctors and researchers throughout the world who have played a role in this still developing story Shumacker concludes with the revolutionary developments of contemporary heart surgery the heart lung machine deep hypothermia and circulatory arrest cardiac support devices heart transplants and the artificial heart Here is a

comprehensive history and an important resource for the medical professional and the medical historian Book Jacket The History of Cardiology ,1986 **Bibliography of the History of Medicine** , The Rise and Fall of Modern Medicine James Le Fanu,2012-11-06 In the years following World War II medicine won major battles against smallpox diphtheria and polio In the same period it also produced treatments to control the progress of Parkinson s rheumatoid arthritis and schizophrenia It made realities of open heart surgery organ transplants test tube babies Unquestionably the medical accomplishments of the postwar years stand at the forefront of human endeavor yet progress in recent decades has slowed nearly to a halt In this judicious examination of medicine in our times which has won the Los Angeles Times Book Prize medical doctor and columnist James Le Fanu both surveys the glories of medicine in the postwar years and analyzes the factors that for the past twenty five years have increasingly widened the gulf between achievement and advancement the social theories of medicine ethical issues and political debates over health care that have hobbled the development of vaccines and discovery of new miracle cures While fully demonstrating the extraordinary progress effected by medical research in the latter half of the twentieth century Le Fanu also identifies the perils that confront medicine in the twenty first century From a respected science writer important information that has been overlooked or ignored by many physicians New Republic Provocative and engrossing and informative Houston Chronicle A Short History of Cardiology Peter Fleming,2020-01-29 The story told in this book begins in about 1700 when the first attempts were made to study the diseased heart in life the subject matter of cardiology as distinct from its appearance after death it ends rather arbitrarily in 1970 The account of the development of knowledge of heart disease is mainly chronological with emphasis on the fruitful consequences of the cross fertilization of clinical practice with pathological anatomy at the beginning of the nineteenth century and with physiology at the end In addition shorter chapters deals with such topics as specific disease entities methods of investigation cardiac surgery and the work of two individuals Peter Latham an example of a physician practising with today s clinical skills but a very imperfect knowledge of the pathogenesis of heart disease and Etienne Marey an early exponent of the clinical physiology which would in time throw light on that pathogenesis **Cardiopulmonary Bypass and Mechanical Support** Glenn P. Gravlee,Richard F. Davis,John Hammon,Barry Kussman,2015-10-13 Offering a unique multidisciplinary approach to the complexities of CPB the 4th Edition of Cardiopulmonary Bypass and Mechanical Support Principles Practice remains the gold standard in the field This edition brings you fully up to date with every aspect of cardiopulmonary bypass including new information on management of pediatric patients CPB s role with minimally invasive and robotic cardiac surgery mechanical circulatory support miniaturized circuits and CPB sickle cell disease and CPB management and much more A newly expanded title reflects the rapidly evolving nature of extracorporeal technology encompassing both short term and long term forms of cardiac and pulmonary support **The Developing Heart: A 'History' of Pediatric Cardiology** Catherine A. Neill,E.P. Clark,2013-04-18 Pediatric cardiology is celebrating in the 1990s the 50th anniversary of the beginnings of the age of

therapy This informal history describes how the discipline grew from the era of pathologic anatomy to the dawn of therapy the beginnings of closed heart surgery between 1939 and 1945 That dawn ushered in a remarkable half century of change and growth leading from clinicophysiologic correlations through the start of open heart surgery in the 1950s The text celebrates some of the achievements of this vivid and heroic age and describes how in the mid 1970s new surgical and medical approaches including prostaglandins and Doppler echocardiography led to successful cardiac treatment in infancy the infant era Interventional cardiology and the study of childhood arrhythmias began Now in the 1990s a new era emphasising molecular biology and cardiac development is growing from the tools and concepts of the past The four eras have focused on pathologic anatomy clinicophysiologic correlations and surgery heart problems in infancy and now the developing heart In each era there have been advances in the four domains of pediatric cardiology the heart before birth the normal heart heart disease and defects and preventive cardiology Growth in knowledge has been both episodic and dramatic yet not a picture of unalloyed achievement The later chapters discuss some of the problems beginning to be recognised in the new and current developmental era The pioneers of pediatric cardiology both men and women are more than eponyms for each used in new and original ways the tools and concepts available in their era The interaction of tools and concepts is a theme in this book Just as the tool of the stethoscope was vital in delineating the clinical profile of ventricular septal defect and patent ductus the fluoroscope played a role in developing the concept of the Blalock Taussig shunt Pioneers also include patients and their families and the book includes some discussion of what little is known of childhood and of the child with heart disease in the four different eras This is a brief overview of the growth of knowledge of children's hearts from before William Harvey until our own time and includes references to histories of cardiac surgery and to collections of classic cardiac papers By its emphasis on the child as the central historic figure and on the interaction of tools and concepts in the growth of knowledge the text provides a celebratory approach to the 50th anniversary of modern pediatric cardiology

Cardiopulmonary Bypass and Mechanical Support Michael Mazzeffi, Barry D. Kussman, C. David Mazer, Bryan A. Whitson, 2025-08-11 Now featuring a new editorial board and new contributors *Cardiopulmonary Bypass and Mechanical Support Principles and Practice* Fifth Edition covers core scientific principles as well as practical clinical applications in this challenging area Drs Michael Mazzeffi C David Mazer Bryan A Whitson and Barry D Kussman ensure that this unique multidisciplinary reference brings you fully up to date with every aspect of cardiopulmonary bypass making it a must have resource for anesthesiologists cardiothoracic surgeons and perfusionists anyone who needs authoritative current information from the gold standard reference in the field *Heart: A History* Sandeep Jauhar, 2018-09-18 The bestselling author of *Intern and Doctored* tells the story of the thing that makes us tick For centuries the human heart seemed beyond our understanding an inscrutable shuddering mass that was somehow the driver of emotion and the seat of the soul As the cardiologist and bestselling author Sandeep Jauhar shows in *Heart A History* it was only recently that we demolished age old

taboos and devised the transformative procedures that have changed the way we live Deftly alternating between key historical episodes and his own work Jauhar tells the colorful and little known story of the doctors who risked their careers and the patients who risked their lives to know and heal our most vital organ He introduces us to Daniel Hale Williams the African American doctor who performed the world's first open heart surgery in Gilded Age Chicago We meet C Walton Lillehei who connected a patient's circulatory system to a healthy donor's paving the way for the heart lung machine And we encounter Wilson Greatbatch who saved millions by inventing the pacemaker by accident Jauhar deftly braids these tales of discovery hubris and sorrow with moving accounts of his family's history of heart ailments and the patients he's treated over many years He also confronts the limits of medical technology arguing that future progress will depend more on how we choose to live than on the devices we invent Affecting engaging and beautifully written *Heart A History* takes the full measure of the only organ that can move itself

National Library of Medicine Current Catalog National Library of Medicine (U.S.), 1972 First multi year cumulation covers six years 1965-70 [Vignettes on Surgery, History and Humanities](#)

Luis Horacio Toledo-Pereyra, 2005-06-20 This book introduces writings on the history and philosophy of surgery that previously appeared in the *Journal of Investigative Surgery* It attempts to reach students of history in general and those interested in the history and philosophy of surgery in particular

Surgical Limits Shelley McKellar, 2003-01-01 A biography of the life of Gordon Murray *Minimally Invasive Heart Surgery* Cevdet Ugur KOCOGULLARI, Rezan AKSOY, Barış TIMUR, Naci Cem AYDOĞDU, 2025-08-11

King of Hearts G. Wayne Miller, 2010-02-10 Few of the great stories of medicine are as palpably dramatic as the invention of open heart surgery yet until now no journalist has ever brought all of the thrilling specifics of this triumph to life This is the story of the surgeon many call the father of open heart surgery Dr C Walton Lillehei who along with colleagues at University Hospital in Minneapolis and a small band of pioneers elsewhere accomplished what many experts considered to be an impossible feat He opened the heart repaired fatal defects and made the miraculous routine Acclaimed author G Wayne Miller draws on archival research and exclusive interviews with Lillehei and legendary pioneers such as Michael DeBakey and Christiaan Barnard taking readers into the lives of these doctors and their patients as they progress toward their landmark achievement In the tradition of works by Richard Rhodes and Tracy Kidder *King of Hearts* tells the story of an important and gripping piece of forgotten science history

A History of Organ Transplantation David Hamilton, 2013-12-21 *A History of Organ Transplantation* is a comprehensive and ambitious exploration of transplant surgery which surprisingly is one of the longest continuous medical endeavors in history Moreover no other medical enterprise has had so many multiple interactions with other fields including biology ethics law government and technology Exploring the medical scientific and surgical events that led to modern transplant techniques Hamilton argues that progress in successful transplantation required a unique combination of multiple methods bold surgical empiricism and major immunological insights in order for surgeons to develop an understanding of the body's most complex

and mysterious mechanisms Surgical progress was nonlinear sometimes reverting and sometimes significantly advancing through luck serendipity or helpful accidents of nature The first book of its kind A History of Organ Transplantation examines the evolution of surgical tissue replacement from classical times to the medieval period to the present day This well executed volume will be useful to undergraduates graduate students scholars surgeons and the general public Both Western and non Western experiences as well as folk practices are included **Pathology of Heart Valve Replacement** A.G.

Rose,2012-12-06 Dr Rose honoured me with a request for a Foreword I am delighted to oblige The treatment of valvular heart disease has improved remarkably in the past 40 years Many factors have contributed not least being the introduction of artificial heart valves for treatment more than 25 years ago Their use has shown that they are good but not an ideal substitute for native valves A galaxy of pathological changes are associated with the insertion and malfunction of artificial heart valves Each has to be defined classified and related to clinical procedures or problems with a prosthesis then a means sought to prevent them Often in understanding their cause investigative procedures have will improve patient care and broaden knowledge in other spheres Dr Rose has been a student of this pathology for many years and has made many contributions No doubt his interest in the area was whetted by colleagues in Cape Town leaders in the field of cardiovascular medicine and surgery This monograph provides a collected review of his experience In it one finds lessons in geographic pathology in considering the causes of valvular heart disease in Cape Town and valuable information regarding the identification of artificial heart valves and a means of examining a heart bearing one *The Genius of C. Walton Lillehei and the True History of Open Heart Surgery* Daniel A. Goor,2007 A brilliant heart surgeon whose discoveries paved the way for generations of other doctors in his field has his career and reputation torn apart Armed with fresh and thoroughly researched information on one of the most influential and enigmatic figures in medicine Goor s fascinating insightful biography combines an understanding of both science and the politics involved in the history of the repair and healing of the human heart

Uncover the mysteries within is enigmatic creation, **The History Of Cardiac Surgery 1896 1955** . This downloadable ebook, shrouded in suspense, is available in a PDF format (Download in PDF: *). Dive into a world of uncertainty and anticipation. Download now to unravel the secrets hidden within the pages.

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