

PERICARDIAL DISEASE

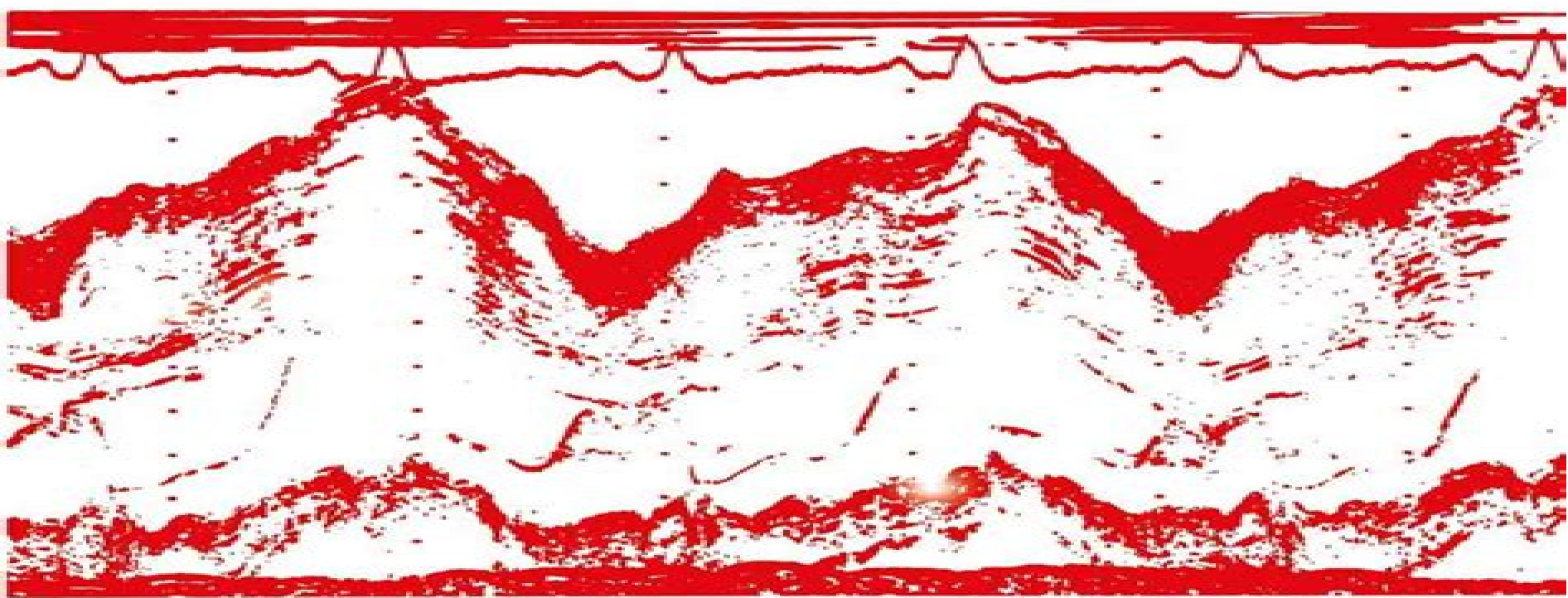
New Insights and Old Dilemmas

edited by

J. Soler-Soler,

G. Permanyer-Miralda, and

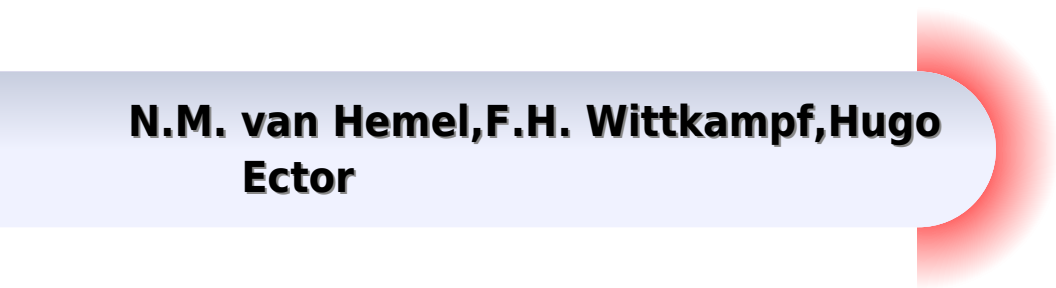
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Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine

**N.M. van Hemel, F.H. Wittkamp, Hugo
Ector**



Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine:

Pericardial Disease J. Soler-Soler, G. Permanyer, J. Sagristà-Sauleda, 2012-12-06 In November 1986 I was invited to attend a symposium held in Barcelona on Diseases of the Pericardium. The course was directed by Dr J Soler Soler, director of Cardiology at Hospital General Vall d'Hebron in Barcelona. During my brief but delightful visit to this institution my appreciation of the depth and breadth of study into pericardial diseases carried out by Dr Soler and his group grew into the conviction that these clinical investigators have accumulated a wealth of information concerning pericardial diseases and that investigators and clinicians practicing in English speaking countries would greatly profit from ready access to the results of the clinical investigations into pericardial disease carried out in Barcelona. The proceedings of the Barcelona conference were published in a beautifully executed volume in the Spanish language edited by Dr Soler and produced by Ediciones Doyma. Because I believe that this work should be brought to the attention of the English speaking scientific and clinical communities I encouraged Dr Soler to have the book translated into English. I knew that this task could be accomplished and that the book would be translated into good English without change of its content. My confidence was based upon a translation of my own book *The Pericardium* into Spanish undertaken by Dr Permanyer who is a contributor and co editor of the present volume.

What's New in Cardiac Imaging? Ernst E. van der Wall, H. Sochor, A. Righetti, M.G. Niemeyer, 2012-12-06 Since the introduction of myocardial perfusion imaging and radionuclide angiography in the mid seventies cardiovascular nuclear medicine has undergone an explosive growth. The use of nuclear cardiology techniques has become one of the cornerstones of the noninvasive assessment of coronary artery disease. In the past 15 years major steps have been made from visual analysis to quantitative analysis from planar imaging to tomographic imaging from detection of disease to prognosis and from separate evaluations of perfusion, metabolism and function to an integrated assessment of myocardial viability. In recent years many more advances have been made in cardiovascular nuclear imaging such as the development of new imaging agents, reevaluation of existing procedures and new clinical applications. This book describes the most recent developments in nuclear cardiology and also addresses new contrast agents in MRI. *What's New in Cardiac Imaging* will assist the clinical cardiologist, the cardiology fellow, the nuclear medicine physician and the radiologist in understanding the most recent achievements in clinical cardiovascular nuclear imaging.

What's New in Cardiovascular Imaging? Johan H. C. Reiber, Ernst E. van der Wall, 2012-12-06 *What's New in Cardiovascular Imaging* is a bibliographical image of a Symposium held June 22-24 1998 in Leiden, the Netherlands. At this Symposium all the major advances in cardiovascular imaging in all the cardiovascular imaging modalities: X-ray intravascular ultrasound, magnetic resonance scintigraphy and CT were addressed by the leading authorities in this field. Based on the presentations of the invited Faculty, this book consists of a compilation of manuscripts related to most of the topics discussed at this particular meeting. We express our gratitude to all authors and coauthors for having made great efforts in preparing their superb up to date chapters under a great time

pressure so that this book was available at the time of the Symposium The authors are all excellent investigators in one or more fields of cardiovascular imaging and they have stimulated progress in cardiovascular imaging with the aim to improve patient care and clinical research This book consists of a total of 32 chapters subdivided into seven Parts Each part describes a particular field in cardiovascular imaging These Parts are Coronary quantitation by QCA and intracoronary ultrasound QCU angiographic trials progress in intravascular ultrasound magnetic resonance MR coronary and vascular imaging nuclear cardiovascular imaging echocardiography and cine and spiral CT coronary imaging In general each Part begins with a chapter that provides a broad overview of the advances in the field described in that particular Part as well as a view towards the future [National Library of Medicine Current Catalog](#) National Library of Medicine (U.S.),1990 *Current Catalog*

National Library of Medicine (U.S.), First multi year cumulation covers six years 1965 70 **Progress in quantitative coronary arteriography** Johan H. C. Reiber,P.W. Serruys,2012-12-06 This is the fifth volume in this series on quantitative coronary arteriography QCA published over the last nine years Research and applications in this exciting field are covered in a total of 26 chapters by world renowned experts This book is subdivided into a total of 6 parts each emphasizing the latest progress in these respective fields In Part One a comprehensive overview is given of the current knowledge and research in endothelial function which is of eminent importance for the further understanding of the pathophysiology of coronary artery disease in patients Fortunately the use of QCA tools is not limited anymore to leading research institutes over the last several years these tools have been installed in many cardiology centers world wide To understand the current possibilities limitations and future expectations of QCA several relevant topics are presented in Part Two First of all the questions about why and how QCA systems should be validated both at the development site and at the application sites and whether data from different vendors and core laboratories can be pooled are discussed As the X ray cardiovascular world steadily moves into the digital imaging era differences and similarities between the conventional cinefilm and the modern digital approaches are presented Currently the widespread use of digital imaging is still hindered by the lack of proper archival and exchange media Requirements and possible solutions for this problem are handled in this section as well [Ischemia-reperfusion in cardiac surgery](#) Hans Michael Piper,C.J. Preusse,2012-12-06 In open heart surgery protection of the myocardium against injury by ischemia reperfusion is an issue of utmost clinical interest The knowledge on the causal mechanisms of myocardial injury in ischemia reperfusion has greatly progressed in recent years both to clinical and experimental research This book provides a critical and comprehensive overview on the current discussion of myocardial protection in cardiac experimental research and surgery Leading groups from Europe the U S and Japan have contributed reviews of their special fields On the basic science side major topics discussed are the mechanisms of stunning and lethal reperfusion injury the role of the endothelium and leukocyte activation in postischemic myocardial dysfunction and the differences between the adult and neonatal myocardium On the clinical side the major concepts and procedures for cardioplegic myocardial protection their

rationales application and respective merits are discussed In a third part of the book possible approaches for the monitoring of myocardial injury during ischemia and reperfusion are evaluated with particular attention to their intraoperative use This book brings together the scientific discussions on ischemia reperfusion in experimental cardiology and cardiac surgery a task needed for a long time It is of general interest for clinicians as well as research workers and students in the cardiac field

Cardiac Arrhythmias, Pacing & Electrophysiology P.E. Vardas, 2012-12-06 Europace 97 was held in Athens Greece on 8 11 June Leads were as usual an important topic with the earl 1997 in the city of classical civilisation and learning iest mention of the then new polyurethane leads Future Though now held in modern surroundings and meeting conferences elaborated on these basic topics while pro facilities the influence of the ancient city state was un gressively adding sensors and sensor function dual mistakable with the architecture and learning of antiquity chamber pacing and recognising the development of looming over the city by its influence over the intellectual clinical cardiac electrophysiology activities of the symposium The ancient magnificence of Clinical cardiac electrophysiology and compre the site was matched by the novelty of modern art and hension of arrhythmias has been largely a development science Europace is a European symposium begun in of the twentieth century With the description and 1979 and has occurred every second year since Con recording of the bundle of His depolarisation by direct sistent with its importance and continental reach the actual access and by catheter modern clinical investigation of symposium has moved to different cities throughout arrhythmias and cardiac electrophysiology began The Western Europe The first symposium was held in London disciplines of cardiac stimulation and of investigation of and subsequent symposia have been held in Torremolinos arrhythmias impulse formation and A V conduction Ostend Florence Istanbul and other cities Because of the were essentially separate for many years **Molecular Physiology and Pharmacology of Cardiac Ion Channels and Transporters** M. Morad, S. Ebashi, W. Trautwein, Yoshihisa Kurachi, 2012-12-06 Knowledge of cardiac ion channels and transporters has advanced remarkably in the last two decades with the development of patch clamp and molecular biological techniques This textbook offers a comprehensive overview of structures and functions of ion channels and transporters in the heart Readers are first introduced to the molecular biology and electrophysiology of all the important ion channels After discussing their developmental changes the pharmacology and pathophysiology of clinically relevant ion channels are reviewed Molecular aspects of the cardiac excitation contraction coupling and intracellular Ca² regulation by ion transporters are also described The book will be useful to electrophysiologists cardiac physiologists and pharmacologists and molecular biologists interested in ion channels at all levels For research specialists the book will provide a perspective of the field The book can be used as a reference source for working scientists in the fields of ion channels biophysics cardiac electrophysiology and pharmacology It is aimed at graduate and medical students designed for use as a textbook for graduate and medical courses **The Noninvasive Evaluation of Hemodynamics in Congenital Heart Disease** J.V. Chapman, G.R. Sutherland, 2012-12-06 The noninvasive evaluation of

hemodynamics in congenital heart disease is an application for which Doppler ultrasound is ideally suited. The pediatric cardiac sonographer has used 2D and TM imaging for several years to study the structural abnormalities associated with various lesions. Pulsed Doppler, continuous wave Doppler, and more recently color flow mapping techniques have been used to study the pathophysiology and to make quantitative measurements thereof. To those already working in pediatric echocardiography, this book is intended to serve as a guide to the applications of the various Doppler modalities in specific abnormalities. The other group for which this text is intended are the adult cardiac sonographers who see the occasional patient with congenital heart disease in their echocardiography laboratories. The incidence of congenital heart disease is not decreasing. As more patients survive to child-bearing age, the adult cardiologist sees more and more referrals from the pediatric cardiologist to follow up the parent with corrected congenital heart disease and in many smaller institutions to examine their offspring as well. For this group, the book is intended to serve as a reference which gives a basic description of the pathology, the relevant parameters to observe, and a guide to the Doppler applications used to make these observations. While there are a few books available on the subject of echocardiography in congenital heart disease, they do not usually go into much detail on noninvasive assessment of the pathophysiology. It is our hope that this text fills that gap.

Nuclear Cardiology in Everyday Practice J. Candell-Riera, D. Ortega-Alcalde, 2012-12-06. The most salient feature of the information provided by nuclear medicine is its information from an analytical and pathophysiological and functional characteristic statistical point of view. This approach is better for adequate experimental or clinical required for correct decision making. Interpretation of such information should therefore necessarily be interpreted alongside the accumulated experience in nuclear cardiology views of the clinical cardiologist who is with the invaluable cooperation of medical able to apply it to the individual patient. It is directed to physicians. This approach, which is routine in every day clinical practice, reaches its plenitude. Nuclear medicine specialists wishing to when the whole process is completed and learn the uses and limitations of these an intimate cooperation is established procedures in everyday clinical cardiology between the nuclear medicine specialist and to cardiologists who feel the need to and the clinical cardiologist. In such understand the rationale and methodology instances each one of these professionals of the studies which benefit their patients understands the needs, limits, and possibilities. We understand that the ultimate reasonabilities of the other for any scientific book is the transmission. The present book is the fruit of such of knowledge and we are fully conscious cooperation. In our hospital, an efficient of the enthusiasm of the authors of the nuclear cardiology team has been made up present text to achieve that aim.

Animal models in cardiovascular research D.R. Gross, 2013-04-17. Interest in the humane and scientifically justifiable use of research animals has intensified since the publication of the first edition of this textbook. This completely revised and updated text provides information essential to any researcher interested in using animal models for cardiovascular research or any research which requires

normal cardiovascular function The format and presentation have been changed to make the text more easy to read and use An introductory chapter offers general principles of animal selection pre and post operative care preanesthesia chemical restraint analgesia and the recognition of pain The number of references cited has been almost doubled over the previous text and the chapter tabulating normal cardiovascular parameters from intact awake animals of those species commonly used in research has been greatly expanded Other chapters providing comprehensive data on the cardiovascular effects of opioids tranquilizers anesthetic agents and other drugs commonly used in cardiovascular research have been expanded with special emphasis on species variability to drug effects The chapters on both naturally occurring and iatrogenic models of cardiovascular disease have also been expanded and updated

Excitation-Contraction Coupling and Cardiac Contractile Force Donald Bers, 2013-04-17 The main aim of this monograph is to provide an overview of calcium regulation in cardiac muscle cells particularly with respect to excitation contraction coupling and the control of cardiac contractile force It is my hope that this book will be useful to students of the cardiovascular system and muscle at all different levels and in different disciplines such as physiology biochemistry pharmacology and pathophysiology I also hope that it will find use for those studying developmental comparative and disease processes as well as more integrative phenomenon I kept several goals in mind in writing this monograph First it should be easily readable Second I chose to include numerous illustrations and tables to help integrate results from numerous investigators in practical formats and also present key figures from important papers Thus this monograph may serve as a resource of information for people working in the areas described herein Third the presentation is a very personal one and I have necessarily drawn extensively on my personal experience in this field over the past 15 years This I think helps maintain a certain continuity of thought from chapter to chapter Fourth I have made serious attempts to make each chapter up to date despite the breadth of topics covered I have also tried to be equitable in choosing references while not intending to be comprehensive or exhaustive Neither of these aims can be perfectly matched and I apologize to the many investigators whose papers I have not cited but should have

Quality of Life after Open Heart Surgery P.J. Walter, 2012-12-06 primary goal of all forms of therapy is not just prolonging life but improving the quality of life has forced analysis of what constitutes quality of life a concept whose structure pervades all walks of life and eludes definition Global well being happiness morale vitality fullness of social life and satisfaction must be integrated and assessed for the effects of the disease and the therapy in the context of specific personality traits attitudes to life family situation and socio economic and political freedom A growing interest in research on this subject has led to a clearer understanding of the components which come to determine quality of a patient's life and how they can be measured in a reproducible manner so that valid comparisons can be made Keeping these recommendations of analysing quality of life within the context of patients who have undergone open heart surgery it seemed appropriate to me to separate the influence of various forms of open heart surgery into five aspects of life which can comprehensively reflect the quality of life outcome of the operation These

five components are 1 Physiological state which summarises the traditionally reported incidence of operative mortality and morbidity objectively and subjectively measured physical capacity and the residual symptoms treatment and long term survival 2 Intellectual functioning relates to the psychoneurological deficit in memory reasoning or judgement because of cerebral microembolism and hypo perfusion during cardiopulmonary bypass

Evidence-Based Cardiology Salim Yusuf, John A. Cairns, A. John Camm, Ernest L. Fallen, Bernard J. Gersh, 2008-04-15 This second edition is a ground breaking clinical text with a strong emphasis on rigorous evidence Leaders in the field discuss best practice in the light of systematic reviews and randomised control trials and how best to treat where the information is less clear Case histories provide intriguing discussions on how to apply the evidence in real life situations Evidence based Cardiology also includes free access to the latest evidence which is automatically posted on a companion website

Coronary Blood Flow J.A. Spaan, 2012-12-06 by JULIEN IE HOFFMAN One of the earliest coronary physiologists was Scaramucci who in 1695 postulated that during systole the contracting myocardium inhibited coronary blood flow Since then the many contributions that have been made to our knowledge of the coronary circulation can be arbitrarily divided into three phases based on advances in technical methods The early phase of research into the coronary circulation done with great difficulty with crude methods may be regarded as ending in the 1940s and it included major discoveries made by such well known investigators as Georg von Anrep Ernest Starling Carl Wiggers and Louis Katz who formulated much of our basic understanding of the field After 1940 the field of coronary physiology entered a new phase when instruments for high fidelity registration of coronary flow and pressure became available This era was dominated by Donald Gregg who combined careful attention to the function of these instruments some of which he helped to develop with an extraordinary ability to discern mechanisms from apparently minor changes in coronary flow and pressure patterns His book *The Coronary Circulation in Health and Disease* set a new standard in the field After 1960 techniques for measuring regional myocardial blood flow became available and enabled a large group of eminent investigators to make major advances in understanding the physiology and pathophysiology of myocardial blood flow

Angiology in Practice A-M. Salmasi, A. Strano, 2012-12-06 Arterial and venous diseases are major causes of morbidity and mortality in most of the world especially in the western hemisphere Not only of interest to angiologists these illnesses are also of concern to most physicians in various fields ranging from cardiology general medicine and cardiovascular surgery to physiology pathology and clinical pharmacology Specialists in diabetes hypertension and epidemiology find these illnesses as challenging in their own fields of interest due to the gross interrelation of these diseases with their specialities This book of 35 chapters contains an up to date discussion of various arterial and venous illnesses presenting major clinical applications ranging from basic pathology haemodynamics and haemorheology to clinical features and management Special attention has also been paid to epidemiology and prevention discussing all the issues concerned A special section on vascular emergency has also been included thereby extending its usefulness to physicians and surgeons working in accident and emergency units

Occult Atherosclerotic Disease A-M. Salmasi,A.N. Nicolaidis,2012-12-06 Occult atherosclerotic diseases impose great challenges in the cardiovascular practice Although their pathology is not much different from that of the overt group of diseases the clinical approach to their diagnoses remains a puzzle This has mainly emerged as a result of the problems faced in trying to pick up the vulnerable subjects from among the general public More definitive candidates to be evaluated are those belonging to one of the high risk groups There are no statistical figures available on the incidence of occult atherosclerotic disease in the non risky general public and this is definitely an area that needs further investigation Atherosclerotic disease whether they are in the cerebral coronary renal or lower limb arteries are theoretically interrelated because the basic patho logical changes are usually similar However there still remain some differ ences which are mainly due to variation in the flow pattern in the arteries Thus it will be important clinically and from the management point of view to investigate for the presence of occult disease in other arteries if an atherosclerotic disease in a certain artery has been discovered This approach is of a great significance especially from the preventive point of view in order to avoid catastrophic events which may have resulted from pathology in the other region **Lipid-Lowering Therapy and Progression of**

Coronary Atherosclerosis A.V. Bruschke,Johan H. C. Reiber,K.J. Lie,Hein J.J. Wellens,2012-12-06 A unique overview of all major angiographic lipid intervention trials presented by their principal investigators Basic mechanisms and methodological aspects including biochemical as well as angiographic aspects are discussed by experts in these fields A careful comparison of all available data permits an analysis to be made of what may currently be considered proved which aspects merit further investigation and which hypotheses should be rejected Audience Clinicians involved in the practice of lipid lowering and investigators involved in lipid lowering clinical trials Scientists involved in other areas of lipid research and investigators conducting coronary angiographic trials designed to study the influence of different interventions will find a wealth of information and practical guidelines in this book The Pacemaker Clinic of the 90's N.M. van Hemel,F.H. Wittkampf,Hugo Ector,2012-12-06 Since the first pacemaker implantation in October 1958 by Senning and Elmqvist in Sweden cardiac pacing for bradycardia has become a well established therapy The impressive growth of clinical experience and the rapid development of pacemaker devices have greatly contributed to this situation The electrical therapy appears to be so easy that insertion of the lead and its connection to the pacemaker generator requires little effort skill or insight However after implantation a patient s condition seldom remains stable which requires a flexible pacing program to cover all new cardiac events and broad insight from clinician and technical colleagues The Pacemaker Clinic of the 90 s teaches anatomical and electrophysiological aspects of pacing supports the prevention of complications and points to new developments in the field Apart from classical indications for cardiac pacing the book discusses the validity of the latest indications supporting the cardiologist and the associated professional in selecting the appropriate pacing mode and pacemaker follow up in individual patients The Pacemaker Clinic of the 90 s will be a helpful companion for years to come

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Table of Contents Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine

1. Understanding the eBook Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine
 - The Rise of Digital Reading Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine
 - Advantages of eBooks Over Traditional Books
2. Identifying Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform

- Popular eBook Platforms
 - Features to Look for in an Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine
 - User-Friendly Interface
4. Exploring eBook Recommendations from Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine
 - Personalized Recommendations
 - Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine User Reviews and Ratings
 - Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine and Bestseller Lists
 5. Accessing Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine Free and Paid eBooks
 - Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine Public Domain eBooks
 - Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine eBook Subscription Services
 - Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine Budget-Friendly Options
 6. Navigating Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine eBook Formats
 - ePub, PDF, MOBI, and More
 - Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine Compatibility with Devices
 - Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine Enhanced eBook Features
 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine
 - Highlighting and Note-Taking Pericardial Disease New Insights And Old Dilemmas Developments In

Cardiovascular Medicine

- Interactive Elements Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine

8. Staying Engaged with Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine

- Joining Online Reading Communities
- Participating in Virtual Book Clubs
- Following Authors and Publishers Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine

9. Balancing eBooks and Physical Books Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine

- Benefits of a Digital Library
- Creating a Diverse Reading Collection Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine

10. Overcoming Reading Challenges

- Dealing with Digital Eye Strain
- Minimizing Distractions
- Managing Screen Time

11. Cultivating a Reading Routine Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine

- Setting Reading Goals Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine
- Carving Out Dedicated Reading Time

12. Sourcing Reliable Information of Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine

- Fact-Checking eBook Content of Pericardial Disease New Insights And Old Dilemmas Developments In Cardiovascular Medicine
- Distinguishing Credible Sources

13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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