

Braunwald Cardiology

Up-to-date, authoritative and comprehensive, Heart Failure, 4th Edition, provides the clinically relevant information you need to effectively manage and treat patients with this complex cardiovascular problem. This fully revised companion to Braunwald's Heart Disease helps you make the most of new drug therapies such as angiotensin receptor neprilysin inhibitors (ARNIs), recently improved implantable devices, and innovative patient management strategies. Led by internationally recognized heart failure experts Dr. G. Michael Felker and Dr. Douglas Mann, this outstanding reference gives health care providers the knowledge to improve clinical outcomes in heart failure patients. Focuses on a clinical approach to treating heart failure, resulting from a broad variety of cardiovascular problems. Covers the most recent guidelines and protocols, including significant new updates to ACC, AHA, and HFSA guidelines. Covers key topics such as biomarkers and precision medicine in heart failure and new data on angiotensin receptor neprilysin inhibitors (ARNIs). Contains four new chapters: Natriuretic Peptides in Heart Failure; Amyloidosis as a Cause of Heart Failure; HIV and Heart Failure; and Neuromodulation in Heart Failure. Covers the pathophysiological basis for the development and progression of heart failure. Serves as a definitive resource to prepare for the ABIM's Heart Failure board exam. 2016 British Medical Association Award: First Prize, Cardiology (3rd Edition). 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. Market: cardiologists and fellows (26,000), second year medical students (18,000/year), internal medicine residents (23,000); internists (75,000), family practice clinicians and residents (55,000); nurse practitioners (50,000), physician assistants (40,000)

1 PL Global Burden of Cardiovascular Disease 2 DZ Ethical Decisions in Cardiovascular Medicine 3 DZ Clinical Decision Making in Cardiology 4 RB Measurement and Improvement of Quality of Care: Relevance to Cardiovascular Clinical Practice 5 DM Critical Evaluation of Clinical Trials 6 PL Personalized and Precision Cardiovascular Medicine 7 PL Principles of Cardiovascular Genetics 8 DZ Drug Therapeutics and Personalized Medicine 9 PL Biomarkers and Their Use in Precision Medicine 10 PL The History and Physical Examination: An Evidence-Based Approach 11 PL Evaluation and Management of the Noncardiac Surgical Patient- 12 DZ Electrocardiography 13 RB Exercise Testing 14 RB Echocardiography Appropriate Use Criteria: Echocardiography 15 RB The Chest Radiograph in Cardiovascular Disease 16 RB Nuclear Cardiology 17 Cardiovascular Magnetic Resonance 18 Cardiac Computed Tomography Appropriate Use Criteria: Multimodality Imaging in Stable Ischemic Heart Disease and Heart Failure 19 RB Cardiac Catheterization 20 Coronary Angiography and Intracoronary Imaging 21 DM Approach to the Patient With Heart Failure 22 DM Mechanisms

of Cardiac Contraction and Relaxation 23 DM Pathophysiology of Heart Failure 24 DM Diagnosis and Management of Acute Heart Failure Guidelines: The Hospitalized Patient With Heart Failure 25 DM Management of Patients With Heart Failure With Reduced Ejection Fraction Guidelines: Management of Heart Failure with a Reduced Ejection Fraction 26 DM Heart Failure with a Preserved Ejection Fraction Guidelines: Heart Failure with a Preserved Ejection Fraction 27 DM Devices for Monitoring and Managing Heart Failure Guidelines: Cardiac Resynchronization Therapy and Implantable Cardioverter- Defibrillators for Heart Failure with a Reduced Ejection Fraction 28 DM Surgical Management of Heart Failure 29 DM Mechanical Circulatory Support 30 DM Cardiovascular Regeneration and Repair 31 DM Management of Patients with Advanced Heart Failure 32 DZ Approach to the Patient with Cardiac Arrhythmias 33 DZ Genetics of Cardiac Arrhythmias 34 DZ Mechanisms of Cardiac Arrhythmias 35 DZ Diagnosis of Cardiac Arrhythmias Guidelines: Ambulatory Electrocardiographic and Electrophysiological Testing 36 DZ General Therapy for Cardiac Arrhythmias 37 DZ Supraventricular Arrhythmias 38 DZ Atrial Fibrillation: Clinical Features, Mechanisms, and Management Guidelines: Atrial Fibrillation 39 DZ Ventricular Arrhythmias 40 DZ Bradycardia Arrhythmias 41 DZ Pacemakers and Implantable Cardioverter-Defibrillators Guidelines: Cardiac Pacemakers and Cardioverter-Defibrillators 42 DZ Cardiac Arrest and Sudden Cardiac Death 43 DZ Hypotension and Syncope Guidelines 44 PL The Vascular Biology of Atherosclerosis 45 PL Risk Markers and the Primary Prevention of Cardiovascular Disease 46 PL Systemic Hypertension: Mechanisms and Diagnosis 47 PL Systemic Hypertension: Management Guidelines: Treatment of Hypertension 48 PL Lipid Disorders and Cardiovascular Disease Guidelines: Management of Lipids 49 PL Nutrition and Cardiometabolic Diseases 50 Obesity and Cardiometabolic Disease 51 Diabetes and the Cardiovascular System Guidelines: Diabetes and Heart Disease 52 RB Environmental Exposures and CVD 53 PL Exercise and Sports Cardiology 54 PL Comprehensive Cardiac Rehabilitation 55 DZ Complementary Approaches to Heart Disease Management 56 PL Approach to the Patient with Chest Pain 57 RB Coronary Blood Flow and Myocardial Ischemia 58 PL ST-Elevation Myocardial Infarction: Pathology, Pathophysiology, and Clinical Features 59 PL ST-Elevation Myocardial Infarction: Management Guidelines: Management of Patients with ST-Elevation Myocardial Infarction 60 PL Non-ST Elevation Acute Coronary Syndromes Guidelines: Unstable Angina and Non-ST Elevation Myocardial Infarction

Much of the improved survival rate from heart attack can be traced to Eugene Braunwald's work. He proved that myocardial infarction was an hours-long dynamic process which could be altered by treatment. Thomas H. Lee tells the life story of a physician whose activist approach transformed not just cardiology but the culture of American medicine. Acute Coronary Syndromes—a Companion to Braunwald's Heart Disease—covers the state-of-the-art scientific and clinical information you need to rapidly evaluate and manage acute coronary syndromes. Dr. Pierre Theroux and his

team of expert contributors present advances in diagnostic and imaging techniques such as biomarkers, nuclear cardiology, echocardiography, and multislice CT; secondary prevention; and new antiplatelet, anti-ischemic, and gene therapies. Tap into the most definitive knowledge available from one of the leading experts in the field and a stellar cast of contributors. Understand the special considerations for the care of acute coronary syndromes in the emergency department and the coronary care unit. Effectively handle the treatment of special populations and chronic patients thanks to coverage of these challenges. See techniques and procedures in greater detail and clarity through the all-new full-color design. Approach treatment with a global perspective from the new section on Population-Based Perspective that discusses the INTERHEART study, insights from the REACH registry, lessons learned from European registries, and ACS in North America. Gain a comprehensive understanding of ACS through coverage of pathophysiology, molecular mechanisms, the role of the immune system, and brand-new chapters on cell necrosis and cell regeneration and pharmacogenetics in the section on Disease-Based Perspectives. Integrate the latest testing and treatment techniques into your practice thanks to new chapters on biomarkers in acute ischemic heart disease; the role of noninvasive testing in prognostic risk stratification; the culprit lesions and patient at risk; non-responsiveness to antiplatelet therapy; bleeding in the acute coronary syndromes; and the refractory patient.

Echocardiography remains the most commonly used imaging technique to visualize the heart and great vessels, and this clinically oriented text by Drs. Scott D. Solomon, Justina C. Wu, and Linda D. Gillam helps you make the most of its diagnostic and prognostic potential for your patients. Part of the highly regarded Braunwald's family of cardiology references, *Essential Echocardiography* expertly covers basic principles of anatomy and physiology, the appearance of normal variants across a wide range of cardiovascular diseases, and the hands-on approaches necessary to acquire and interpret optimal echocardiographic images in the clinical setting.

Up-to-date, authoritative and comprehensive, *Heart Failure, 4th Edition*, provides the clinically relevant information you need to effectively manage and treat patients with this complex cardiovascular problem. This fully revised companion to Braunwald's *Heart Disease* helps you make the most of new drug therapies such as angiotensin receptor neprilysin inhibitors (ARNIs), recently improved implantable devices, and innovative patient management strategies. Led by internationally recognized heart failure experts Dr. G. Michael Felker and Dr. Douglas Mann, this outstanding reference gives health care providers the knowledge to improve clinical outcomes in heart failure patients. Focuses on a clinical approach to treating heart failure, resulting from a broad variety of cardiovascular problems. Covers the most recent guidelines and protocols, including significant new updates to ACC, AHA, and HFSA guidelines. Covers key topics such as biomarkers and precision medicine in heart failure and new data on angiotensin receptor neprilysin inhibitors (ARNIs).

Contains four new chapters: Natriuretic Peptides in Heart Failure; Amyloidosis as a Cause of Heart Failure; HIV and Heart Failure; and Neuromodulation in Heart Failure. Covers the pathophysiological basis for the development and progression of heart failure. Serves as a definitive resource to prepare for the ABIM's Heart Failure board exam. 2016 British Medical Association Award: First Prize, Cardiology (3rd Edition).

Featuring expert guidance from Drs. James de Lemos and Torbjørn Omland, as well as other globally known leaders in cardiology, Chronic Coronary Artery Disease covers every aspect of managing and treating patients suffering from chronic coronary syndromes. This brand-new companion to Braunwald's Heart Disease was designed as a stand-alone reference for physicians treating patients who present with complex, unique challenges, offering the latest information on the use of imaging modalities in diagnosis and treatment, advances in interventional and surgical approaches to revascularization, new medications to improve symptoms and outcomes in chronic CAD, and much more. Covers every aspect of evaluation and treatment of patients who suffer from chronic coronary syndromes. Provides both evidenced based recommendations from the most recent guidelines from the major cardiology societies: AHA, ACC, and ESC, as well as practical management tips from leading experts with extensive clinical experience. Highlights new developments concerning epidemiology and prevention, pathophysiology, and clinical findings, as well as laboratory testing, invasive and non-invasive testing, risk stratification, clinical decision-making, and prognosis and management of chronic coronary syndromes. Features information on today's hot topics, including the use of novel imaging modalities in diagnosis and treatment and emerging therapies to improve outcomes in chronic CAD.

Provides state-of-the-art coverage of CMR technologies and guidelines, including basic principles, imaging techniques, ischemic heart disease, right ventricular and congenital heart disease, vascular and pericardium conditions, and functional cardiovascular disease. Includes new chapters on non-cardiac pathology, pacemaker safety, economics of CMR, and guidelines as well as new coverage of myocarditis and its diagnosis and assessment of prognosis by cardiovascular magnetic resonance, and the use of PET/CMR imaging of the heart, especially in sarcoidosis. Features more than 1,100 high-quality images representing today's CMR imaging. Covers T1, T2 and ECV mapping, as well as T2* imaging in iron overload, which has been shown to save lives in patients with thalassaemia major Discusses the cost-effectiveness of CMR.

The 2nd Edition of this heralded companion to Braunwald's Heart Disease explores the molecular mechanisms of cardiology and the scientific advances that are changing the practice of cardiology today. International experts discuss the role of genetics in cardiovascular disease • the molecular basis of ischemic disease, thrombosis and hypertension • genetic mapping approaches to inherited disorders • biologically targeted agents for hypertension and heart failure • and much more. Abundant figures and tables illustrate key concepts. Addresses most common cardiovascular problems from a molecular standpoint. Explores developing treatments for cardiovascular problems based on genetics. Provides references to Braunwald's Heart Disease, 6th Edition Examines today's cutting edge advances in molecular cardiology and the future of gene therapy, Examines the implications of cellular cholesterol metabolism in health and disease. Delivers up-to-

date information on understanding the origin of inherited disease. With 55 additional contributing experts.

"[A]ccompanying CD contains additional images and video clips." -- v. 2, p. xv.

With 30 completely new chapters and exhaustive updates, this edition of this cardiology masterwork represents the most extensive revision yet. Hundreds of world authorities synthesize remarkable developments, from the newest findings in molecular biology and genetics through the latest imaging modalities, interventional procedures, and medications.

Part of the highly regarded Braunwald's family of cardiology references, *Clinical Arrhythmology and Electrophysiology*, 3rd Edition, offers complete coverage of the latest diagnosis and management options for patients with arrhythmias. Expanded clinical content and clear illustrations keep you fully abreast of current technologies, new syndromes and diagnostic procedures, new information on molecular genetics, advances in ablation, and much more.

Preventive Cardiology-a new Companion to Braunwald's Heart Disease-addresses the prevention and risk stratification of cardiovascular disease so that you can delay the onset of disease and moderate the effects and complications. Drs. Roger Blumenthal, JoAnne Foody, and Nathan Wong discuss the full range of relevant considerations, including the epidemiology of heart disease, risk assessment, risk factors, multiple risk factor-based prevention strategies, and developments in genetics and personalized medicine. With access to the fully searchable text online at www.expertconsult.com, this authoritative reference gives you the clinically relevant information you need for the effective prevention of cardiovascular disease. Access the fully searchable text online at www.expertconsult.com. Recognize the factors for prevention and risk stratification around cardiovascular disease and effectively delay the onset of disease and moderate the effects and complications, even for individuals who are genetically predisposed. Effectively navigate full range of considerations in prevention from epidemiology of heart disease, biology of atherosclerosis and myocardial infarction, risk assessment-established risk factors and emerging risk factors, multiple risk factor-based prevention strategies, and future directions-through genetics, personalized medicine, and much more. Tap into the expertise of prominent leaders in cardiovascular disease prevention with guidance from Drs. Roger Blumenthal-longtime director of the Framingham Heart Study-JoAnne Foody, and Nathan Wong. Gain a deeper understanding of the pathogenesis of disease and the rationale for management through discussions of basic science. Apply current clinical practice guidelines to ensure optimal outcomes in both primary and secondary prevention. The most authoritative and relevant reference on Prevention of Cardiovascular Diseases is now available!

With authoritative coverage of everything from recent discoveries in the field of vascular biology to recent clinical trials and evidence-based treatment strategies, *Vascular Medicine*, 3rd Edition, is your go-to resource for improving your patients' cardiovascular health. Part of the Braunwald family of renowned cardiology references, this updated volume integrates a contemporary understanding of vascular biology with a thorough review of clinical vascular diseases, making it an ideal reference for vascular medicine specialists, general cardiologists, interventional cardiologists, vascular surgeons, and interventional radiologists. Incorporates technologic advances in vascular imaging – including ultrasound, MRI, CTA, and catheter-based angiography – along with more than 230 new figures, providing an up-to-date and complete view of the vascular system and vascular diseases. Covers novel antithrombotic therapies for peripheral artery disease and venous thromboembolism, advances in endovascular interventions for aortic aneurysms, and today's best surgical treatments for vascular diseases. Includes seven new chapters: Pathobiology of Aortic Aneurysms; Pathobiology and Assessment of Cardiovascular Fibrosis; Large Vessel Vasculitis; Medium and Small Vessel Vasculitis; Epidemiology and Prognosis of Venous Thromboembolic Disease; Fibromuscular Dysplasia; and Dermatologic Manifestations of Vascular Disease. Discusses methods for aggressive patient management and disease prevention to

ensure minimal risk of further cardiovascular problems. Keeps you current with ACC/AHA and ECC guidelines and the best ways to implement them in clinical practice.

Manage cardiovascular problems more effectively with the most comprehensive resource available! A trusted companion to Braunwald's Heart Disease, Cardiovascular Therapeutics, 4th Edition addresses pharmacological, interventional, and surgical management approaches for each type of cardiovascular disease. This practical and clinically focused cardiology reference offers a balanced, complete approach to all of the usual and unusual areas of cardiovascular disease and specific therapies in one concise volume, equipping you to make the best choices for every patient. Consult this title on your favorite e-reader with intuitive search tools and adjustable font sizes. Elsevier eBooks provide instant portable access to your entire library, no matter what device you're using or where you're located. Understand current approaches to treating and managing cardiovascular patients for long-term health, for complex problems, and for unusual cardiac events. Benefit from the substantial experience of Elliott M. Antman, MD, Marc S. Sabatine, MD, and a host of other respected authorities, who provide practical, evidence-based rationales for all of today's clinical therapies. Expand your knowledge beyond pharmacologic interventions with complete coverage of the most effective interventional and device therapies being used today. Easily reference Braunwald's Heart Disease, 9th Edition for further information on topics of interest. Make the best use of the latest genetic and molecular therapies as well as advanced therapies for heart failure. Cut right to the answers you need with an enhanced focus on clinically relevant information and a decreased emphasis on pathophysiology. Stay current with ACC/AHA/ESC guidelines and the best ways to implement them in clinical practice. Get an enhanced visual perspective with an all-new, full-color design throughout.

The author, one of the lipid experts in the world, together with a cast of contributors, provides all of the scientific and clinical information needed to manage every aspect of dyslipidemia. From basic science to pathogenesis of atherothrombotic disease to risk assessment and the latest therapy options, this new title in the Braunwald's Heart Disease family offers up-to-date coverage and guidance on lipidology in a straightforward, accessible, and user-friendly style. Contains extensive clinically relevant information covering risk assessment, therapy, special patient populations, and experimental therapies, including targeting HDL to help you effectively manage any challenges you face. Uses treatment algorithms for easy access to key content. Presents current practice guidelines that assist in the decision-making process. Dr. Braunwald's masterwork returns ... bringing you the definitive guidance you need to overcome any challenge in clinical cardiology today, using the best approaches available! Hundreds of world authorities, many of them new to this edition, synthesize all of the recent developments that are revolutionizing practice - from the newest findings in molecular biology and genetics to the latest imaging modalities, interventional procedures, and medications. This multimedia e-dition includes not only the printed reference, but also access to the complete contents online, fully searchable, with regular updates and much more. The expertise of the contributors, the scope of the coverage, and the versatile, multimedia format all make this the ultimate reference for the practicing cardiologist. Locate the answers you need fast, thanks to a user-friendly, full-color design, complete with more than 1,500 color illustrations. Glean clinically actionable information quickly with Clinical Practice Points in every chapter. Access the complete contents of the 2-volume set online, fully searchable, plus regular updates to reflect the latest clinical developments · Focused Reviews · Commentaries · Late-Breaking Trials · and more. Apply the latest knowledge in your field with 7 new chapters on Acute Heart Failure · Device Therapy of Heart Failure · Emerging Therapies for Heart Failure · Complementary and Alternative Approaches to Management · Prevention and Management of Stroke · Hypertrophic Cardiomyopathy · and Coronary Arteriography Guidelines. Get fresh perspectives on your practice with contributions from more than 20 brand-new authors.

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Authoritative, portable, and up to date, Opie's Cardiovascular Drugs, 9th Edition, is the definitive reference for quick access to frequently used drugs in all phases of care for cardiac patients. Now a part of the Braunwald family of renowned cardiology references, this compact title provides crucial information in an easily accessible format—ideal for cardiologists, residents, cardiology fellows, medical students, nurses, and other cardiac care providers. Updated to include the latest guidelines and evidence-based implications, it offers clear and concise explanations and pertinent clinical facts for all classes of cardiac drugs, as well as all the latest clinical trial results and evidence for the pharmacologic treatment of heart disease. Uses a new, consistent format for each drug class: overview and guidelines for use, mechanisms of action, differences among drugs in class, data for use, side effects, and drug interactions. Covers key topics such as new ESC and NLA guidelines, advances in lipid-lowering therapy, new diabetes drugs that improve cardiovascular outcomes, obesity drugs and cardiovascular and metabolic effects, drugs targeting inflammation, and combinations of antithrombotic therapies with analysis of risk-benefit. Provides guidance on how to effectively manage comorbid diseases. Contains dozens of unique "Opiegram diagrams that demystify complex mechanisms of action and other drug processes—many updated to reflect current pathologic understanding of mechanisms.

Companion to: Braunwald's heart disease / edited by Robert O. Bonow ... [et al.]. 9th ed. c2012.

With more than 700 review questions derived from and keyed to the newly revised 11th Edition of Braunwald's Heart Disease, Braunwald's Heart Disease Review and Assessment, 11th Edition, is the perfect review tool for fellows, residents, and practitioners to prepare for board exams in cardiovascular medicine. Noted Harvard educator Dr. Leonard S. Lilly, with assistance from faculty and fellows at Brigham & Women's Hospital, provides a thorough, clear, and concise overview of the entire field, helping ensure your mastery of all key aspects of today's cardiology. This title is a one-stop resource for complete, authoritative coverage of the most important concepts in cardiovascular medicine - ideal for self-assessment, individualized study, and clinical practice. Uses a completely reorganized format throughout, matching the reorganization of Braunwald's Heart Disease, 11th Edition. Provides new coverage of biomarkers and their use in precision medicine, cardio-oncology, sleep disordered breathing and CVD, the latest hypertension guidelines, reversal agents for the novel oral anticoagulants, and diabetes medications with recently proven cardiovascular benefits. Covers current topics such as cardiovascular genetics, innovative heart failure medications and devices, non-culprit percutaneous coronary intervention, selection of antithrombotic drugs, transcatheter valve procedures, and use of left atrial appendage exclusion procedures in atrial fibrillation. Features detailed answers that comprise "mini-reviews" of the material, and cross references to the main text that make it easy to find definitive explanations for any question. Contains full-color images and illustrations throughout, and numerous case studies that enhance your study and improve retention of complex material.

Identifies answers with color-coded tabs, making it easier to navigate between questions and answers. 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.

Effectively manage the chronic problems of your hypertensive patients with the practical clinical tools inside Hypertension, 2nd Edition: A Companion to Braunwald's Heart Disease. This respected cardiology reference covers everything you need to know - from epidemiology and pathophysiology through diagnosis, risk stratification, treatment, outcome studies, concomitant diseases, special populations and special situations, and future treatments. Confidently meet the needs of special populations with chronic hypertensive disease, as well as hypertension and concomitant disease. Learn new methods of aggressive patient management and disease prevention to help ensure minimal risk of further cardiovascular problems. Benefit from the authors' Clinical Pearls to reduce complications of hypertension. Use new combination drug therapies and other forms of treatment to their greatest advantage in the management of chronic complications of

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hypertension. Successfully employ behavior management as a vital part of the treatment plan for hypertensives and pre-hypertensives. Access the complete contents online and download images at www.expertconsult.com. The clinical tools you need to manage hypertension in patients, from the Braunwald family you trust.

Effectively manage the chronic problems of your hypertensive patients with the practical clinical tools inside Hypertension, 2nd Edition: A Companion to Braunwald's Heart Disease. This respected cardiology reference covers everything you need to know - from epidemiology and pathophysiology through diagnosis, risk stratification, treatment, outcome studies, concomitant diseases, special populations and special situations, and future treatments. Confidently meet the needs of special populations with chronic hypertensive disease, as well as hypertension and concomitant disease. Learn new methods of aggressive patient management and disease prevention to help ensure minimal risk of further cardiovascular problems. Benefit from the authors' Clinical Pearls to reduce complications of hypertension. Use new combination drug therapies and other forms of treatment to their greatest advantage in the management of chronic complications of hypertension. Successfully employ behavior management as a vital part of the treatment plan for hypertensives and pre-hypertensives. Current, comprehensive, and evidence-based, Braunwald's Heart Disease remains the most trusted reference in the field and the leading source of reliable cardiology information for practitioners and trainees worldwide. The fully updated 12th Edition continues the tradition of excellence with dependable, state-of-the-art coverage of new drugs, new guidelines, more powerful imaging modalities, and recent developments in precision medicine that continue to change and advance the practice of cardiovascular medicine. Written and edited by global experts in the field, this award-winning text is an unparalleled multimedia reference for every aspect of this complex and fast-changing area. Offers balanced, dependable content on rapidly changing clinical science, clinical and translational research, and evidence-based medicine. Includes 60 new contributing authors and 12 new chapters that cover Artificial intelligence in Cardiovascular Medicine; Influenza, Pandemics, COVID-19, and Cardiovascular Disease; Tobacco and Nicotine Products in Cardiovascular Disease; Impact of Healthcare Policy on Quality, Outcomes, and Equity in Cardiovascular Disease; Impact of the Environment on Cardiovascular Health, and more. Features a new introductory chapter, Cardiovascular Disease: Past, Present, and Future by Eugene Braunwald, MD, offering his unique, visionary approach to the field of cardiology. Dr. Braunwald also curates the extensive, bimonthly online updates that include Hot Off the Press, Practice Updates, and Late-Breaking Clinical Trials. Provides cutting-edge coverage of key topics such as proteomics and metabolomics, TAVR, diabetocardiology, and cardio-oncology. Contains 1,850 high-quality illustrations, radiographic images, algorithms, and charts, and provides access to 265 helpful videos with identifying icons. Highlights the latest AHA and ACC guidelines to clearly summarize diagnostic criteria and clinical implications. Provides tightly edited, focused content for quick, dependable reference. Flexible format options include either one or two volumes in print, as well as a searchable eBook with ongoing updates. 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.

"Trusted by generations of cardiologists for the latest, most reliable guidance in the field, Braunwald's Heart Disease, 11th Edition, remains your #1 source of information on rapidly changing clinical science, clinical and translational research, and evidence-based medicine. This award-winning text has been completely updated, providing a superior multimedia reference for every aspect of this fast-changing field, including new material about almost every topic in cardiology"--Publisher's description.

Get the tools and knowledge you need for effective diagnosis, evaluation, and management of patients with acute myocardial infarction. Myocardial Infarction: A Companion to Braunwald's Heart Disease, by David A. Morrow, MD, is a comprehensive, hands-on resource that

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provides practical guidance from a name you trust. Concise and easy to use, this text explores the most recent tools for diagnosis and therapeutic decision-making, as well as the full range of available management strategies, providing outcomes data for each strategy. Myocardial Infarction also includes regular updates with late-breaking clinical trials, reviews of important new articles, and the latest guidance on clinical practice, all selected and masterfully edited by Dr. Eugene Braunwald. Provides thorough discussions of ECG, established and emerging biochemical markers, angiography, nuclear cardiology, echocardiography, and cardiac MRI and CT. Features an extensive treatment section that covers the latest drugs and most recent clinical trials of antiplatelet therapy, coronary revascularization, gene therapy, and approaches to reperfusion injury and ventricular remodeling. Discusses special considerations for the evaluation of acute coronary syndromes in the emergency department, and use of advanced technologies in cardiac critical care. Covers key topics such as in-hospital complications, cardiogenic shock, transitions to post-discharge care, and cardiac rehabilitation. Includes Clinical Practice/Controversy chapters that highlight management-focused, practical topics covering expert approaches for areas of uncertainty. Offers guidance on the management of special populations. Consult this title on your favorite e-reader for access to regularly added update content, to conduct rapid searches, and adjust font sizes for optimal readability.

Cardiac Nursing: A Companion to Braunwald's Heart Disease is the only comprehensive text available for cardiac nurses. This brand-new reference emphasizes both evidence-based practice and hands-on care in a high-tech, high-touch approach that meets the high-stakes needs of cardiac and critical care nurses. What's more, the book makes the material easily accessible by using clear language, straightforward text, and plenty of illustrations, lists, and tables. This book is the third in a series of companion texts for Braunwald's Heart Disease and the first specifically for nurses. Authored by the widely published, well-known co-editors of The Journal of Cardiovascular Nursing--two leaders in cardiac nursing. Endorsed by the authors of Braunwald's Heart Disease, including Eugene Braunwald, the physician considered by many to be the "father of modern cardiology." Evidence-based Practice boxes highlight research-supported advances in knowledge and care practices. Conundrum boxes helps readers hone their critical thinking skills by tackling tough questions for which there may be no easy answers. Technology boxes keeps readers up to date with the latest technological advances. Genetics boxes helps readers understand connections between genes and heart disease. Pharmacology tables present important drug-related information at a glance. A guide to cardiac abbreviations and acronyms gives nurses quick access to essential information.

Introducing Cardiovascular Intervention, a comprehensive companion volume to Braunwald's Heart Disease. This medical reference book contains focused chapters on how to utilize cutting-edge interventional technologies, with an emphasis on the latest protocols and standards of care. Cardiovascular Intervention also includes late-breaking clinical trials, "Hot off the Press" commentary, and Focused Reviews that are relevant to interventional cardiology. View immersive videos from an online library of procedural clips located on Expert Consult. Remain abreast of the newest interventional techniques, including next-generation stents, invasive lesion assessment, and methods to tackle complex anatomy. Provide optimal patient care with help from easy-to-access information on the latest diagnostic and treatment advances, discussions on percutaneous approaches to structural heart disease, and new developments in treating heart valve disease.

Braunwald's Heart Disease A Textbook of Cardiovascular Medicine Mosby

Endorsed by the American Society for Preventive Cardiology! Preventive Cardiology - a new Companion to Braunwald's Heart Disease - addresses the prevention and risk stratification of cardiovascular disease so that you can delay the onset of disease and moderate the effects and complications. Drs. Roger Blumenthal, JoAnne Foody, and Nathan Wong discuss the full range of relevant considerations, including the

epidemiology of heart disease, risk assessment, risk factors, multiple risk factor-based prevention strategies, and developments in genetics and personalized medicine. This authoritative reference gives you the clinically relevant information you need for the effective prevention of cardiovascular disease. Recognize the factors for prevention and risk stratification around cardiovascular disease and effectively delay the onset of disease and moderate the effects and complications, even for individual who are genetically predisposed. Effectively navigate full range of considerations in prevention from epidemiology of heart disease, biology of atherosclerosis and myocardial infraction, risk assessment—established risk factors and emerging risk factors, multiple risk factor-based prevention strategies, and future directions—through genetics, personalized medicine, and much more. Tap into the expertise of prominent leaders in cardiovascular disease prevention with guidance from Drs. Roger Blumenthal—longtime director of the Framingham Heart Study—JoAnne Foody, and Nathan Wong. Gain a deeper understanding of the pathogenesis of disease and the rationale for management through discussions of basic science. Apply current clinical practice guidelines to ensure optimal outcomes in both primary and secondary prevention.

Challenges for the treatment of valvular heart disease include the growing need for effective yet less invasive interventions and therapies to treat these progressive conditions. With the development of potential new treatments, it is crucial for cardiac physicians to be well informed on the pathophysiology, assessment, treatment options and their outcomes of valvular diseases. Written by a highly experienced and internationally recognized group of cardiologists, cardiac surgeons, and researchers, Valvular Heart Disease offers insights into the widely varying hemodynamic effects and clinical course of heart valve conditions, as well as the contemporary management of these conditions. Offering a broad perspective on these diseases, Valvular Heart Disease expands on the recent guidelines developed by the major heart societies in the United State and Europe.

Today's patients have unique cardiological needs before, during, and after cancer treatment. Chemotherapies, radiation therapy, and targeted therapies can produce side effects or lasting adverse consequences on the heart and circulatory system, making the field of cardio-oncology increasingly important in today's health care. Cardio-Oncology Practice Manual is a comprehensive, portable guide that provides practical approaches to assessment and management of cardiovascular disease due to the effects of cardiotoxic agents and treatments. Part of the Braunwald family of renowned cardiology references, it clearly presents clinically-relevant aspects of this growing field in one quick, practical reference for a wide range of cardio-oncology providers. Offers templated and streamlined content for quick retrieval, with key point summaries for each major section. Presents cardiac disease entities and specific malignant diseases in succinct narrative overviews addressing important clinical aspects, etiology, treatment, and clinical care summaries. § Features "Central Illustration" algorithms for each topic that visually summarize consensus recommendations and relevant literature regarding assessment, prevention, and treatment. Includes a comprehensive drug guide that provides quick reference to drugs prescribed for cancer with therapeutic indications, mechanisms of cardiotoxicity, risk factors, manifestations of cardiotoxicity, and prevention and risk reduction strategies. Brings you up to date with new immune therapies, including immune checkpoint inhibitors and CAR T-cell. Covers all major malignancies in a portable, authoritative guide—ideal for cardiologists, cardio-oncologists, medical oncologists, and hematologists. Enhanced eBook version included with purchase, which allows you to access all of the text, figures, and references from the book on a variety of devices

The third edition of Hypertension: A Companion to Braunwald's Heart Disease, by Drs. George L. Bakris and Matthew Sorrentino, focuses on every aspect of managing and treating patients who suffer from hypertensive disorders. Designed for cardiologists,

endocrinologists and nephrologists alike, this expansive, in-depth review boasts expert guidance from contributors worldwide, keeping you abreast of the latest developments from basic science to clinical trials and guidelines. Features expert guidance from worldwide contributors in cardiology, endocrinology, neurology and nephrology. Covers behavior management as an integral part of treatment plans for hypertensives and pre-hypertensives. Covers new developments in epidemiology, pathophysiology, immunology, clinical findings, laboratory testing, invasive and non-invasive testing, risk stratification, clinical decision-making, prognosis, and management. Includes chapters on hot topics such as hypertension as an immune disease; sleep disorders including sleep apnea, a major cause of hypertension; a novel chapter on environmental pollution and its contribution to endothelial dysfunction, and more! Equips you with the most recent guidelines from the major societies. Updates sourced from the main Braunwald's Heart Disease text. Highlights new combination drug therapies and the management of chronic complications of hypertension.

Ideal for cardiologists who need to keep abreast of rapidly changing scientific foundations, clinical research results, and evidence-based medicine, Braunwald's Heart Disease is your indispensable source for definitive, state-of-the-art answers on every aspect of contemporary cardiology, helping you apply the most recent knowledge in personalized medicine, imaging techniques, pharmacology, interventional cardiology, electrophysiology, and much more! Practice with confidence and overcome your toughest challenges with advice from the top minds in cardiology today, who synthesize the entire state of current knowledge and summarize all of the most recent ACC/AHA practice guidelines. Locate the answers you need fast thanks to a user-friendly, full-color design with more than 1,200 color illustrations. Learn from leading international experts, including 53 new authors. Explore brand-new chapters, such as Principles of Cardiovascular Genetics and Biomarkers, Proteomics, Metabolomics, and Personalized Medicine. Access new and updated guidelines covering Diseases of the Aorta, Peripheral Artery Diseases, Diabetes and the Cardiovascular System, Heart Failure, and Valvular Heart Disease. Stay abreast of the latest diagnostic and imaging techniques and modalities, such as three-dimensional echocardiography, speckle tracking, tissue Doppler, computed tomography, and cardiac magnetic resonance imaging. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability.

Recent years have seen numerous advances in cardiovascular nuclear medicine technology, leading to more precise diagnoses and treatment and an expanded understanding of the molecular basis for cardiac disease. Nuclear Cardiology and Multimodal Cardiovascular Imaging is a one-stop, comprehensive guide to the diagnostic and clinical implications of this complex and increasingly important technology. Part of the Braunwald family of renowned cardiology references, it provides cutting-edge coverage of multimodal cardiac imaging along with case vignettes and integrated teaching content-ideal for cardiologists, cardiology fellows, radiologists, and nuclear medicine physicians. Features all the latest cardiovascular nuclear medicine studies with practical, evidence-based implications for personalized patient evaluation and treatment. Presents a consistent, patient-centered approach using integrated case vignettes correlated with specific nuclear medicine imaging findings. Discusses patient

assessment criteria, risk factor criteria, pathology, evaluation criteria, outcomes, and other clinical implications. Covers a full range of imaging technologies, including SPECT/CT, PET/CT, and CT/MR hybrid radionuclide cardiovascular imaging studies. Addresses emerging clinical applications of nuclear imaging techniques for precision-based medicine, including targeted molecular imaging and cell therapies. Includes sections on instrumentation/principles of imaging; protocols and interpretation; applications in coronary artery disease, special populations, and heart failure; artificial intelligence, and more. Contains guidelines and appropriate use documents to provide appropriate context for clinicians. Features hundreds of high-quality figures including multimodal cardiac imaging studies, anatomic illustrations, and graphs. Provides Key Point summaries, 50 procedural videos, and 100 multiple-choice questions and answers to reinforce understanding and facilitate review. Enhanced eBook version included with purchase, which allows you to access all of the text, figures, and references from the book on a variety of devices

Atlas of Nuclear Cardiology, an Imaging Companion to Braunwald's Heart Disease, offers the practical, case-based guidance both cardiologists and radiologists need to make optimal use of nuclear imaging techniques in the evaluation of cardiovascular function. Drs. Ami E. Iskandrian and Ernest V. Garcia discuss hot topics including PET and PET-CT, SPECT and gated SPECT, myocardial perfusion imaging, equilibrium radionuclide angiocardigraphy, and equilibrium radionuclide angiography in a consistent, clearly illustrated format. The fully searchable text is also online at www.expertconsult.com - supplemented with an image and video library - making this an ideal resource for mastering nuclear cardiology. Access the fully searchable contents online at www.expertconsult.com, along with a moving image library that demonstrates myocardial perfusion imaging, myocardial tracers, PET, PET-CT, and gated SPECT. Stay current on recent developments in nuclear cardiac imaging such as equilibrium radionuclide angiocardigraphy (ERNA) and first-pass radionuclide angiography (FPRNA). Master the application of techniques to specific clinical situations with detailed case studies and discussions of challenging issues. Gain a clear visual understanding from numerous, high-quality images in full color. Find information quickly and easily thanks to a practical, consistent format throughout the text.

Trusted by generations of cardiologists for the latest, most reliable guidance in the field, Braunwald's Heart Disease, 11th Edition, remains your #1 source of information on rapidly changing clinical science, clinical and translational research, and evidence-based medicine. This award-winning text has been completely updated, providing a superior multimedia reference for every aspect of this fast-changing field, including new material about almost every topic in cardiology.

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