Vascular Biology In Clinical Practice | 38d91f37ebe7b81f4a8c456bb58c7004

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; 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.

The Topol Solution gives you a complete print and multimedia package consisting of Textbook of Cardiovascular Medicine, Third Edition, a DVD, and access to a wealth of online resources. Updated throughout by renowned international authorities, Dr. Topol's best-selling text provides a comprehensive, contemporary view of every area of cardiovascular medicine–preventive cardiology; clinical cardiology; cardiovascular imaging; electrophysiology and pacing; invasive cardiology and surgical techniques; heart failure and transplantation; molecular cardiology; and vascular biology and medicine. The bound-in DVD contains the full text, plus heart sounds, an image/chart/table bank, and videos of procedures–catheterization, CT/MRI, echocardiography, electrophysiology and pacing, intravascular ultrasound, nuclear cardiology, and surgery. The Topol Solution Website includes the fully searchable text, heart sounds, and an image/chart/table bank downloadable to PowerPoint–plus questions and answers from The Cleveland Clinic Cardiology Board Review; a PDA download of cardiology drug facts; quarterly articles from Critical Pathways in Cardiology, and links to other cardiology Websites. FEATURES: - Thoroughly updated Third Edition of best-selling Textbook of Cardiovascular Medicine, plus DVD and instant access to a wealth of online resources- THE TEXT: - Renowned international contributors- A comprehensive, contemporary view of every area of cardiovascular medicine–preventive cardiology; clinical cardiology; cardiovascular imaging; electrophysiology and pacing; invasive cardiology and surgical techniques; heart failure and transplantation; molecular cardiology; and vascular biology and medicine- Focus on clinical material, particularly the application of clinical research to practice- Each chapter includes comments on current controversies and pioneering insights into future developments- THE BOUND-IN DVD: - Full content of book- Heart sounds-a

This up-to-date easy to understand handbook spans the gamut of current basic, clinical and treatment aspects of vascular biology. The concise summaries, tables, diagrams and brief text will provide a stimulating and valuable information on vascular biology which spans the gamut of current basic, clinical and treatment aspects. Dr. Houston takes a subject that until recently has been esoteric and research oriented and makes it understandable and clinically relevant for the practicing physician. Up-to-date and easy to understand. Readily accessible vascular biology handbook that spans the gamut of current basic, clinical and treatment aspects. Concise summaries, tables, and diagrams

Mortality may be declining in people with heart disease, but more and more are experiencing a long lead-up to clinical disease, without an appropriate intervention. The toxicity of our environmental, social, and cultural worlds creates pathophysiologic disturbances such as obesity, diabetes, and, in some cases, heart disease. In Vascular Biology for the Clinician, Mark Houston, MD, MS, MSc, along with Joseph Lamb, MD, and Anita Hays, PhD, suggests to doctors ways to diagnose cardiovascular diseases at an earlier stage and treat their underlying causes. Houston is board-certified in hypertension, internal medicine, and anti-aging medicine. He runs an active practice and has authored nineteen books and 172 articles on hypertension and cardiovascular diseases and served as editor or reviewer for medical journals.

Over the past few decades, cardiovascular disease and diabetes have emerged as major public health problems, both as distinct clinical entities and as comorbid conditions. As a result, the fields of vascular biology and endocrinology are working more closely than ever before. With chapters by renowned experts, Cardiovascular Endocrinology: Shared Pathways and Clinical Crossroads emphasizes the considerable physiological interrelationships and clinical correlations between the specialties of cardiovascular medicine and endocrinology. Offering a wealth of information, Cardiovascular Endocrinology: Shared Pathways and Clinical Crossroads provides a range of insights, including a novel view of the hormonal regulation of the vascular system and the disruption of the nitric oxide signaling system. It also addresses the role of fatty acids and cytokines in the development of this problem. Importantly, this unique title also provides a state-of-the-art update on the importance of other hormones such as thyroid hormone and steroids, as well as the pathophysiology of cardiovascular disease and controversies surrounding the use of hormone replacement therapy. In all, Cardiovascular Endocrinology: Shared Pathways and Clinical Crossroads is a first-of-its-kind title that discusses and summarizes important clinical topics in cardiology and endocrinology. It offers clinicians and researchers an important resource for navigating the increasingly interrelated pathways of cardiovascular and endocrine disorders. The authors discuss a range of important issues from epidemiology to bench research to translation of this research to clinical practice.
The two main causes of death in the world are directly related to cardiovascular system disorders, ischemic heart disease, and stroke. These pathological conditions are caused by complex molecular mechanisms related to endothelial dysfunction and, finally, structural and functional alterations of blood vessels. Clinical evidence demonstrates the relevance of knowledge about vascular biology, from molecular mechanisms to clinical applications, especially for students of medical sciences or basic sciences. This book is an international effort of collaboration, with the purpose to create an academic tool for students or people interested in learning about vascular biology. I invite the readers to check the chapters and explore the topics developed by experts in the field.

This book provides a comprehensive account of vascular biology and pathology and its significance for health and disease. It systematically and chronologically explains how we came to our current understanding of the vasculature and its function today, and describes in an entertaining way the diverse flaws and turns in science and medicine from the past. It thereby offers a complete and well-studied history on vascular biology and medicine. The book has an easy-to-read style and is written for students as well as scientists, physicians and lecturers in the field of biomedicine, human physiology, cardiology and hematology.

This reference provides a synthesis of the whole field of vascular biology, from the latest advances in the study of the structure and function of blood vessels to recent investigations of their interaction with blood cells, with non-cellular constituents of the blood, or with cells of the neighbouring tissue. The latest results from tumor angiogenesis to the latest advances in atherosclerosis research are discussed by leading experts in the field. Together with the CD-ROM this guarantees both researchers and clinicians quick and easy access to all relevant information.

Forkhead Transcription Factors: Vital Elements in Biology and Medicine provides a unique platform for the presentation of novel work and new insights into the vital role that forkhead transcription factors play in multiple systems throughout the body. Leading international authorities provide their knowledge and insights to offer a novel perspective for translational medicine that highlights the role of forkhead genes and proteins that may have the greatest impact for the development of new strategies for a broad array of disorders. Equally important, Forkhead Transcription Factors: Vital Elements in Biology and Medicine clearly sets a precedent for the necessity to understand the diverse and complex nature of forkhead proteins since this family of transcription factors can limit as well as foster disease progression depending upon the cellular environment. The presentation and discussion of innovative studies and especially those that examine previously unexplored pathways that may influence clinical survival and longevity offer an exciting approach to address the potential of forkhead transcription factors for new therapeutic avenues in multiple disciplines.

During the past three decades, the cerebral vasculature and its role in blood-brain transport has been an increasingly active area of investigation and learning, particularly from an anatomical and physiological point of view. However, much less is known at the molecular and cellular level about the blood-brain barrier especially regarding the macromolecules responsible for transport, the roles played by vascular wall components (endothelial cell, pericyte, smooth muscle, basement membrane), and the mechanisms regulating brain vascular-specific protein expression and their molecular alterations during development and disease. Fundamental questions still unanswered include: What are the molecular constituents of brain endothelial cell tight junctions? What are the membrane proteins responsible for transport of specific substrates? What are the molecular signals that cause glucose transporter gene expression to be 20 to 100 times greater in brain endothelial cells in vivo than in vitro? What roles do pericytes, smooth muscle cells and basement membrane have in establishing or maintaining blood-brain transport characteristics? Are brain vascular transport systems responsible for edema following injury? Are transporter systems regulated via receptor-mediated events? Do hormones or neuromodulators regulate transporter expression? What is the molecular mechanism by which plasma proteins enter the extravascular space? Are transporters asymmetrically distributed in the luminal and abluminal endothelial cell membranes? Can prodrugs or pharmacologic agents be designed as substrate analogs and be delivered to the central nervous system by existing transporters or receptors? Can new and beneficial transporters be introduced into the brain vasculature?

This book describes the fundamental biology and mechanics of the vasculature and examines how this knowledge has underpinned the development of new clinical modalities, including endovascular treatment and vascularization of reconstructed tissue for regenerative medicine. Vascular engineering is a multidisciplinary field integrating vascular biology, hemodynamics, biomechanics, tissue engineering, and medicine. Each chapter offers insights into the dynamics of the circulatory system and explains how the impact of related disease conditions — atherosclerosis, hypertension, myocardial ischemia, and cerebral infarction — has generated a focus on developing expertise to both maintain and treat the vascular system. As a comprehensive book in this expanding area, Vascular Engineering serves as a valuable resource for clinicians as well as academics and professionals working in biophysics, biomedical engineering, and nano and microtechnology. Graduate students in these subject areas will also find this volume insightful.

The Oxford Textbook of Vascular Surgery draws on the expertise of over 130 specialist contributors to encompass the field of vascular surgery. Through the use of figures, findings of contemporary trials, and additional online content, this textbook is an excellent study material for surgical trainees entering their final two years of training, in addition to serving as an effective reference source for practicing surgeons. This volume discusses the epidemiology, vascular biology, clinical features and management of diseases that affect the vasculature and contains dedicated chapters which address topics such as paediatric surgery, damage control surgery, and amputations. The text follows a logical framework which complements the published Intercollegiate Surgery Curriculum made particularly useful in preparation for the Intercollegiate Exam. The online version of The Oxford Textbook of Vascular Surgery is free for twelve months to individual purchasers of this book and contains the full text of the print edition, links to external sources and informative videos demonstrating current surgical techniques, making this a valuable resource for practicing surgeons. The field of vascular surgery has advanced rapidly in recent years and has expanded to include the techniques of interventional radiology and cardiology which are also extensively covered in this volume, making it an authoritative modern text. By combining contemporary evidence-based knowledge with informative figures, online resources and links to the current training curriculum, The Oxford Textbook of Vascular Surgery is a highly valuable source of information and will become the standard reference text for all who study vascular disease and its treatment.

The study of medical history is interesting in itself and may help to modify the view sometimes expressed that medical students and doctors are lacking in culture of any sort. Moreover, some historical perspective is often advantageous when one is considering the multitude of advances that are now taking place in the theory and practice of medicine. This book, containing a series of collected papers concerning immunology and pathology and vascular biology and angiogenesis, drives us through scientific milestones in the history of medicine in the course of the past two centuries and highlights the contribution of pioneering scientists whose discoveries have paved the way to many researchers working in the fields of cell biology, developmental biology, immunology, pathology, and oncology. This book will serve as a resource for scientists, historians of medicine and philosophers of science and medicine.

This volume of the series Cardiac and Vascular Biology presents the most relevant aspects of vascular mechanobiology along with many more facets of this fascinating, timely and clinically highly relevant field. Mechanotransduction, mechanosensing, fluid shear stress, hemodynamics and cell fate, are just a few topics to name. All important aspects of vascular mechanobiology in health and disease are reviewed by some of the top experts in the field. This volume, together with a second title on cardiac mechanobiology featured in this series, will be of high relevance to scientists and clinical researchers in the area of vascular biology, cardiology and biomedical engineering.
This volume explores microRNA pathophysiology, focusing on basic concepts in molecular and cellular biology. Chapters contributed by leading scientists examine recently discovered pathways in several processes, including aging, diabetes, cardiovascular disease, hematopoiesis, and mitochondrial fitness. The authors contextualize microRNAs within epigenetics and micropeptidomics, angiogenesis and atherosclerosis, endometrial pathophysiology, and more. Throughout, numerous color photographs, diagrams of molecular pathways, and Tables enhance the text. microRNA: Basic Science is an ideal companion to both microRNA: Medical Evidence and microRNA: Cancer. Taken together, these three books provide a state-of-the-art overview of this rapidly-expanding and fascinating field, from the molecular level to clinical practice. It will be invaluable to medical students, physicians, and researchers, as a complete and unique guide in the exploration of microRNA in basic science, cancer and clinical practice.

Bridging the gap between the laboratory and the bedside, this timely volume illuminates the connection between endothelial dysfunction and vascular disease. This comprehensive survey of atherosclerotic disease begins with biology—incorporating the latest breakthroughs in the field—then elucidates risk factors and diagnostic tools and markers. A major section on endothelial-directed prevention and therapy shows you how to apply cutting-edge research to clinical care. Under the careful editorial guidance of Drs. De Caterina and Libby, the highly-regarded contributors address: endothelial activation and the initiation of atherosclerosis mechanisms of plaque progression and complications the role of LDL in the origin and progression of atherosclerosis advanced glycation endproducts and the accelerated atherosclerosis in diabetes oxidative stress and vascular disease soluble adhesion molecules as markers of vascular disease hormone-replacement therapy and coronary risk anti-oxidants and endothelial protection and more. The first book dedicated to the central role of endothelial dysfunction in vascular disease, this concise volume gathers all the latest information on the subject into one convenient and cohesive text. Make sure your patients are benefiting from current knowledge by keeping a copy of "Endothelial Dysfunctions in Vascular Disease" close at hand for frequent consultation. Introduction Every book has a history, this one not excepted, having emerged from intersections in professional lives of the Editors. This book bears the fruits of a collaboration between the "pupil" (RDC) and the "mentor" (PL). During an extended sabbatical of the pupil in Boston in 1994, we probed together the concept that endothelial dysfunction served as a common denominator of vascular disease, with the balance between inflammation and its inhibition as a fulcrum of the regulation of the behavior of endothelial cells. As practicing cardiologists in our clinical lives, we sought to link to endothelial function the mechanisms of action of risk factors and of pharmacologic agents used to treat and prevent vascular disease. The pupil therefore authored a few reviews on the mechanism of action of risk factors and included them in a small book, published in Italian, for which the mentor wrote a preface. The book was greeted with favor from the Italian cardiological community, and provided the nidus for the present, more ambitious endeavor, which includes updated reviews on the pathogenesis of vascular disease and on the most novel aspects of vascular biology. This enterprise was enabled by the contributions of many of our former or collaborating colleagues, and without whose enthusiasm and engagement this work could never have seen light. We largely underestimated the devotion necessary on our own side at the beginning, but it ultimately yielded a product that we feel achieves our original goals. We are aware that we confront a continuously evolving topic, where frequent updates would be desirable—if not necessary. Yet, we believe in the value of books—such as the current one—that attempt to organize in a snapshot of time, the vast amount of literature available in a coherent and comprehensive scheme. We are aware of existing gaps, of emerging material not paid its due, and of the rapid evolution of some of the concepts highlighted within. The links between the laboratory and the clinic have never afforded more opportunity for new understanding and advances in diagnosis and treatment than today. We hope that our colleagues, vascular biologists, internists, and other physicians alike will find this compendium a useful guide to this most exciting time in vascular biology and medicine—Raffaele De Caterina and Peter Libby

A wide range of research methods for the study of vascular development, from basic laboratory protocols to advanced laboratory practices used in clinical care, are covered in this work. A range of methodologies such as molecular imaging platforms and valuable analytic tools, are included, along with numerous protocols and expert methodologies are collated here. For researchers and clinicians working in vascular biology, Readers will discover basic methodologies used for analysis of endothelial cell growth in vitro, including co-culture models of vessel formation. Authors also explore isolation and purification of cells and methods for analysis of data and visualization of localized vascular regulation. Both animal models and human studies are covered in this work. Each chapter contains helpful sections on troubleshooting, additional notes and links, supporting the reader to carry out protocols. This book will appeal to students, researchers and medical professionals working in all vascular-linked fields such as cardio- and cerebrovascular, cancer and dementia.

Endothelium and Cardiovascular Diseases: Vascular Biology and Clinical Syndromes provides an in-depth examination of the role of endothelium and endothelial dysfunction in normal vascular function, and in a broad spectrum of clinical syndromes, from atherosclerosis, to cognitive disturbances and eclampsia. The endothelium is a major participant in the pathophysiology of diseases, such as atherosclerosis, diabetes, and hypertension, and these entities are responsible for the largest part of cardiovascular mortality and morbidity. Over the last decade major new discoveries and concepts involving the endothelium have come to light. This important reference collects this data in an easy to reference resource. Written by known experts, and covering all aspects of endothelial function in health and disease, this reference represents an assembly of recent knowledge that is essential to both basic investigators and clinicians. Provides a complete overview of endothelial function in health and disease, along with an assessment of new information. Includes coverage of groundbreaking areas, including the structural LDL particle, the development of a new anti-oxidative stress agent, a vaccine for atherosclerosis, coronary heart calcification associated with red wine, and the therapy of endoplasmic reticulum stress. Explores the genetic features of endothelium and the interaction between basic knowledge and clinical syndromes.

A bold solid understanding of the mechanisms and pathophysiology that underlie vascular disease is essential for the clinical evaluation and optimal management options for millions of patients with vascular disease. It is important that students, residents and practicing clinicians have a solid understanding of how basic science is translated into best clinical practice when managing patients with vascular disease. The thirteen chapters in this eBook have been selected from the contents of two Sections (Basic Science, Pathophysiology) in "Rutherford’s Vascular Surgery 8th" edition. It provides an up-to-date overview of the current scientific knowledge regarding the mechanisms and pathogenesis of vascular disease.

"Rutherford’s Vascular Surgery" is the most acclaimed and authoritative reference work in the field, and it is hoped that this eBook, utilizing the content from the latest 8th edition of this classic reference work, will provide all clinicians involved in the management of vascular disease with a unique and exciting e-format to access the most current information written by internationally recognized experts, on the basic science associated with vascular disease. This eBook will enable students, trainees and practitioners to access the content by scrolling through their computer, tablet or smart phone.

This textbook focuses on vascular biology and physiology that underlie vascular disorders in clinical medicine. Vascular biomedicine is a rapidly growing field as new molecular mechanisms of vascular health and disease are unraveled. Many of the major cardiovascular diseases including coronary artery disease, heart failure, stroke and vascular dementia are diseases of the vasculature. It is clear that vascular injury underpins conditions like kidney failure and cardiovascular complications of diabetes. This field is truly multidisciplinary involving scientists in many domains such as molecular and vascular biology, cardiovascular physiology and pharmacology and immunology and inflammation. Clinically, specialists across multiple disciplines are involved in the management of patients with vascular disorders, including cardiologists, nephrologists, neurologists, endocrinologists and vascular surgeons. This book covers a wide range of topics and provides an overview of the discipline of vascular biomedicine without aiming at in-depth reviews, but rather offering up-to-date knowledge organized in concise and structured chapters, with key points and pertinent references. The structure of the content provides an integrative and translational approach from basic science (e.g. stem cells) to clinical medicine (e.g. cardiovascular disease). The content of this book is targeted to those who are new in the field of vascular biology and vascular medicine and is ideal for medical students, graduate and postgraduate students, clinical fellows and academic clinicians with an interest in the vascular biology and physiology of cardiovascular disease and related pathologies.
Vascular biology is at the forefront of much medical research, with links to many diseases.

Endothelium and Cardiovascular Diseases: Vascular Biology and Clinical Syndromes provides an in-depth examination of the role of endothelium and endothelial dysfunction in normal vascular function, and in a broad spectrum of clinical syndromes, from atherosclerosis, to cognitive disturbances and eclampsia. The endothelium is a major participant in the pathophysiology of diseases, such as atherosclerosis, diabetes and hypertension, and these entities are responsible for the largest part of cardiovascular mortality and morbidity. Over the last decade major new discoveries and concepts involving the endothelium have come to light. This important reference collects this data in an easy to reference resource. Written by known experts, and covering all aspects of endothelial function in health and disease, this reference represents an assembly of recent knowledge that is essential to both basic investigators and clinicians. Provides a complete overview of endothelial function in health and disease, along with an assessment of new information including coverage of groundbreaking areas, featuring the artificial LDL particle, the development of a new anti-erectile dysfunction agent, a vaccine for atherosclerosis, coronary calcification associated with red wine, and the interplay of endoplasmic reticulum/oxidative stress. Explores the genetic features of endothelium and the interaction between basic knowledge and clinical syndromes.

Understanding the many complex cellular and molecular mechanisms underlying human vascular diseases is essential in improving the treatment of this important and wide-ranging group of diseases that affect a large proportion of the world population. This book is based on lectures presented at an International Vascular Biology Workshop held in London and chaired by Professor Dame Carol Black. The contents are complemented by some invited chapters, all written by world experts in areas of basic science and clinical medicine highly relevant to vascular biology and disease. We are particularly grateful to Professor Ashraf Quyyumi, Professor of Medicine and Cardiology at Emory University, who with his research group and clinical colleagues, has provided a substantial contribution to this book. In common with our previous book – Vascular Complications in Human Disease: Mechanisms and Consequences published by Springer in 2008, our aim with this book is to highlight some of the established relationships between basic science and clinical medicine, and to outline new and exciting fields of research and practice in vascular biology and pathobiology. There are two sections: Basic Science of Vascular Biology and Clinical Aspects of Vascular Biology. In the first section, dealing with basic science, we have included three important growth areas: “Genetics and Gene Therapy” cover approaches to gene therapy and delivery systems; “Animal Models to Study Vascular Disease” with chapters on animal models of scleroderma, animal models of atherosclerosis, and finally on the endothelin system.

In this book, leading world authorities on brain edema and neurological disorders/injuries and experts in preconditioning join forces to discuss the latest progress in basic sciences, translational research, and clinical management strategies relating to these conditions. The range of topics covered is wide, including microglia, energy metabolism, trace metals and ion channels, vascular biology, cellular treatment, hemorrhagic stroke, novel technological advances, anesthesia and medical gases, pediatric brain edema, neuroimaging, behavioral assessment, clinical trials, peripheral to central signaling pathways, preconditioning translation, and animal models for preconditioning and brain edema research. The book comprises presentations from Brain Edema 2014, the joint meeting of the 16th International Conference on Brain Edema and Cellular Injury and the 3rd Symposium on Preconditioning for Neurological Disorders, held in Los Angeles on September 27–30, 2014.

Over the past decades, the pathogenesis, diagnosis, treatment and prevention of cardiovascular diseases have been benefited significantly from intensive research activities. In order to provide a comprehensive “manual” in a field that has become as broad and deep as cardiovascular medicine, this volume of “Methods in Molecular Medicine” covers a wide spectrum of in vivo and in vitro techniques encompassing biochemical, pharmacological and molecular biology disciplines which are currently used to assess vascular disease progression. Each chapter included in this volume focuses on a specific vascular biology technique and describes various applications as well as caveats of these techniques. The protocols included here are described in detail, allowing beginners with little experience in the field of vascular biology to embark on new research projects.

Translational Research in Coronary Artery Disease: Pathophysiology to Treatment covers the entire spectrum of basic science, genetics, drug treatment, and interventions for coronary artery disease. With an emphasis on vascular biology, this reference fully explains the fundamental aspects of coronary artery disease pathophysiology. Includes important topics, including endothelial function, endothelial injury, and endothelial repair in various disease states, vascular smooth muscle function and its interaction with the endothelium, and the interrelationship between inflammatory biology and vascular function. By providing this synthesis of current research literature, this reference allows the cardiovascular scientist and practitioner to access everything they need from one source. Provides a concise summary of recent developments in coronary and vascular research, including previously unpublished data. Summarizes in-depth discussions of the
Atherosclerosis is the most significant cause of cardiovascular disease worldwide. Vascular biology is the key to understanding how atherosclerosis arises and operates. The ESC Textbook of Vascular Biology is a rich and clearly laid-out guide by leading European scientists providing comprehensive information on vascular physiology, disease, and research. The textbook covers molecular findings and novel targets within the speciality while also providing the basics of vascular biology and disease pathophysiology. It also covers the major changes in the diagnosis, prevention and treatment of atherosclerosis that have occurred in recent years, developments and recent breakthroughs in the field are specifically highlighted. The official publication of the ESC Working Group on Arteriosclerosis and Vascular Biology, this print edition comes with access to the online version on Oxford Medicine Online, for as long as the edition is published by Oxford University Press. By activating your unique access code, you can read and annotate the full text online, follow links from the references to primary research materials, and view, enlarge and download all the figures and tables. The textbook is also linked to the ESC's online learning platform (ESCel) and their core specialist training curriculum (ESC Core Curriculum). The textbook particularly appeals to vascular biologists, cardiologists, and other practising clinicians.

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