SPRING 2017 – Title Selection
Medicine – Cardiology

978-3-319-44202-0  Baars  Clinical Cardiogenetics
978-3-319-51429-1  Bergmann  Clinical Cases in LAA Occlusion
978-3-319-43508-4  Chan  Functional Mitral and Tricuspid Regurgitation
978-3-319-53000-0  Constantinides  Protocols and Methodologies in Basic Science and Clinical Cardiac MRI
978-3-319-45798-7  Dilsizian  Atlas of Cardiac Innervation
978-3-319-26352-6  Emdin  The Breathless Heart
978-1-4471-5244-6  Escaned  Physiological Assessment of Coronary Stenoses and the Microcirculation
978-3-319-40008-2  Fioranelli  Integrative Cardiology
978-981-287-839-7  Fukumoto  Diagnosis and Treatment of Pulmonary Hypertension
978-1-4471-7288-8  Hendel  Cardiology Procedures
978-3-319-46405-3  Hoskins  Cardiovascular Biomechanics
978-3-319-44250-1  Islam  Hypertension: from basic research to clinical practice
978-3-319-40234-5  Lestuzzi  Manual of Cardio-oncology
978-3-319-42980-9  Maisel  Cardiac Biomarkers
978-3-319-47737-4  Niebauer  Cardiac Rehabilitation Manual
978-4-331-56069-2  Niwa  Aortopathy
978-3-319-31384-9  Peacock  Short Stay Management of Atrial Fibrillation
978-3-319-38911-0  Roos-Hesselink  Pregnancy and Congenital Heart Disease
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Clinical Cardiogenetics

Clinical management and signs are the focus of this practical cardiogenetic reference for those who are involved in the care for cardiac patients with a genetic disease. With detailed discussion of the basic science of cardiogenetics in order to assist in the clinical understanding of the topic. The genetic causes of various cardiovascular diseases are explained in a concise clinical way that reinforces the current management doctrine in a practical manner. The authors will cover the principles of molecular genetics in general but also specific to cardiac diseases. They will discuss the etiology, pathogenesis, pathophysiology, clinical presentation, clinical diagnosis, molecular[...]

More on www.springer.com/978-3-319-44202-0

Forthcoming

M.W. Bergmann, A. Tzikas, N.C. Wunderlich

Clinical Cases in LAA Occlusion Indication, Techniques, Devices, Implantation

This concise practical guide is designed to facilitate the clinical decision-making process in the management of LAA occlusion procedures by reviewing a number of cases and defining the various diagnostic and management decisions open to clinicians. Clinical Cases in LAA Occlusion is well illustrated but concise, enabling the reader to obtain relevant information regarding both standard and unusual cases in a rapid, easy to digest format. Each case includes a narrative description and patient management tips.

More on www.springer.com/978-3-319-51429-1

► 181,89 €
ISBN 978-3-319-51429-1
Erscheinungstermin: May 5, 2017

K.M.J. Chan (Ed.)

Functional Mitral and Tricuspid Regurgitation

Pathophysiology, Assessment and Treatment

This book covers in detail all aspects of functional mitral and tricuspid regurgitation, from its pathophysiology and natural history, to its assessment, medical and surgical treatment, and long term results. Functional Mitral and Tricuspid Regurgitation encompasses information and knowledge from a diverse background including cardiology, cardiac surgery and basic science. This is necessary for a full understanding of the subject in order to optimally manage patients with this condition.

More on www.springer.com/978-3-319-43508-4

Hardcover 2017. XIV, 222 p. 100 illus., 72 illus. in color. With online files/update.
► 96,29 €
ISBN 978-3-319-43508-4
Gewöhnlich versandfertig in 3-5 Werktagen.

Forthcoming

C. Constantinides (Ed.)

Protocols and Methodologies in Basic Science and Clinical Cardiac MRI

This book focuses on the practical issues of the implementation of state-of-the-art acquisition methodologies and protocols for both basic science and clinical practice. It is a practical guidebook for both beginners and advanced users for easy and practical implementation of acquisition protocols. It is relevant for a wide audience that ranges from students, residents, fellows, basic scientists, physicists, engineers, and medical practitioners. The novelty of this book relates to its intended practical use and focus on state-of-the-art cardiac MRI techniques that span both the clinical and basic science fields. In comparison and contrast to other pre-existing books, this book will[...]

More on www.springer.com/978-3-319-53000-0

Hardcover 2017. X, 303 p. 110 illus., 60 illus. in color.
► 117,69 €
ISBN 978-3-319-53000-0
Erscheinungstermin: April 12, 2017

V. Dilsizian, J. Narula (Eds.)

Atlas of Cardiac Innervation

This atlas elucidates the role of the neuronal component in normal cardiovascular function and cardiac disorders and discusses the currently available imaging targets and probes. It provides a foundation in cardiac neuronal imaging and image processing and serves as a guide in the effective utilization of these techniques in clinical and research settings. The atlas discusses the principles of autonomic control in the regulation of cardiac function and disease; chemistry and biology of radiotracers designed to target changes in the myocardial sympathetic and parasympathetic innervation as a function of disease or treatment; neuronal imaging in heart failure and reverse remodeling and[...]

More on www.springer.com/978-3-319-45798-7

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► 181,89 €
ISBN 978-3-319-45798-7
Gewöhnlich versandfertig in 3-5 Werktagen.

M. Emdin, A. Giannoni, C. Passino (Eds.)

The Breathless Heart

Apneas in Heart Failure

This book systematically focuses on central sleep apneas, analyzing their relationship especially with heart failure and discussing recent research results and emerging treatment strategies based on feedback modulation. The opening chapters present historical background information on Cheyne-Stokes respiration (CSR), clarify terminology, and explain the mechanics and chemistry of respiration. Following a description of the physiology of respiration, the pathophysiology underlying central apneas in different disorders and particularly in heart failure is discussed. The similarities and differences of obstructive and central apneas are then considered. The book looks beyond the concept[...]

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Physiological Assessment of Coronary Stenoses and the Micrcirculation

Since the introduction of coronary angiography, a key technique in understanding coronary artery disease, a number of paradigms regarding its study and interpretation have taken place. Following an emphasis on improved angiographic and subsequent intracoronary imaging techniques, functional assessment of coronary circulation has demonstrated to have major implications for diagnosis and treatment of coronary artery disease. Fractional flow reserve, a pressure derived index of stenosis severity, constitutes the best example of the current importance of physiological assessment in clinical practice. However, the acceptance of FFR by cardiologists contrasts with important voids in[...]

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Integrative Cardiology
A New Therapeutic Vision

This book is a detailed guide to a new integrative approach to the prevention and treatment of various cardiac disorders and risk factors, including coronary artery disease, congestive heart failure, arrhythmias, dyslipidemia, and hypertension. This approach combines various strategies, including metabolic cardiology, low-dose medicine, exercise programs, stress management programs, evaluation for inherited risk factors, and various other healing modalities. Metabolic cardiology focuses on the prevention, management, and treatment of cardiovascular disease at the cellular level through biochemical interventions with nutritional supplements that can promote energy production in the[...]

More on www.springer.com/978-3-319-40008-2

Cardiology Procedures
A Clinical Primer

This book provides a single reference that describes the application and performance of techniques and procedures performed by cardiologists. It includes descriptions of the technical aspects, clinical application and interpretation of the data generated during these testing modalities. The authors have provided a clinically focused guide to cardiac procedures aimed at clinical trainees and practitioners, including physicians as well as affiliated clinicians. Case studies are presented to further illustrate how these techniques are used in clinical practice.

More on www.springer.com/978-1-4471-7288-8

Cardiovascular Biomechanics

This book provides a balanced presentation of the fundamental principles of cardiovascular biomechanics research, as well as its valuable clinical applications. Pursuing an integrated approach at the interface of the life sciences, physics and engineering, it also includes extensive images to explain the concepts discussed. Cardiovascular biomechanics encompasses the relationship between the mechanics of the cardiovascular system and biological function in health and disease, and it is increasingly recognised that normal function and diseases involve a complex interplay between biology and mechanical forces. With a focus on explaining the underlying principles, this book examines[...]

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Hypertension: from basic research to clinical practice
Volume 2

Hypertension: from basic research to clinical practice contains a unique collection of selected chapters written by experts and enthusiasts engaged in research and treatment of hypertension, a condition that affects around a billion people in the world. The chapters describe fundamental researches at cellular and molecular levels to the science, and art of treatment of the condition in clinical practice. The topics included ranges from pathophysiology of hypertension, through monitoring of hypertension, to the treatment of hypertension in different patient categories. It contains essential background information as well as cutting edge research, and state of the art treatment...

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Cardiac Biomarkers
Case Studies and Clinical Correlations

This book covers ACS and Heart Failure, the chapters represent the most current, up to date and knowledgeable content on the topic available. It is written by the worlds most respected leaders in biomarkers, with a majority emphasis on what clinicians need to know. The Editors and their contributors have provided algorithms, annotated case discussions and caveats. They cover biomarkers to predict risk of heart disease, biomarkers of cardiorenal disease , and conclude with a section on new and emerging biomarkers. It be genuinely helpful and practical to those in the field, including not just people working in the field, but nurses, doctors, etc who practice medicine in the clinic, the...

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Aortopathy

This is the first textbook to focus on Aortopathy, a new clinical concept for a form of vasculopathy. The first section of the book starts from discussing general concept and history of Aortopathy, and then deals with its pathophysiology, manifestation, intrinsic factor, clinical implication, management and prevention. The second part closely looks at various disorders of the Aortopathy such as bicuspid aortic valve and coarctation of aorta. The book editors have published a lot of works on the topic and have been collecting relating data in the field of congenital heart disease for the past 20 years, thus present the book with confidence. The topic - an association of aortic[...]

More on www.springer.com/978-4-431-56069-2

Cardiac Rehabilitation Manual

This book fulfills the need for practical guidance among all professionals involved in the management of these patients, from residents and fellows of cardiology and internal medicine, surgical teams, physiotherapy professionals, critical care physicians and family medicine practitioners. The thoroughly updated content takes into account recent developments in cardiac rehabilitation, and incorporates practical advice on how to use guidelines in clinical practice. There will be one new chapter on patients with cardiac resynchronization therapy and all the others will be updated to keep up-to-date with the guidelines and current practice. Cardiac rehabilitation is of key importance to[...]

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Manual of Cardio- oncology
Cardiovascular Care in the Cancer Patient

This concise and handy manual provides straightforward, up-to-date guidance for cardiologists and other practitioners on the management of cancer patients with cardiac problems, whether they be due to the cancer itself or to antineoplastic treatment. Detailed attention is devoted to the various forms of cardiotoxicity associated with chemotherapy and radiotherapy. The drugs commonly responsible for each toxicity are identified and clear advice is offered on monitoring techniques and treatment approaches. In addition, the issue of cardiotoxicity due to cancer treatment in particular patient groups – children, the elderly, and those with pre-existing cardiac disease – is addressed[...]

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J. Niebauer (Ed.)
Cardiac Rehabilitation Manual

Erscheinungstermin: March 6, 2017

K. Niwa, H. Kaemmerer (Eds.)
Aortopathy

Erscheinungstermin: April 22, 2017

C. Lestuzzi, S. Oliva, F. Ferraù (Eds.)
Manual of Cardio- oncology

Erscheinungstermin: April 6, 2017

A.S. Maisel, A.S. Jaffe (Eds.)
Cardiac Biomarkers

Erscheinungstermin: April 6, 2017

M.S. Islam (Ed.)
Hypertension: from basic research to clinical practice

Erscheinungstermin: March 6, 2017
Short Stay Management of Atrial Fibrillation

This book provides a road map for the efficient and successful management of atrial fibrillation (AF) in the short stay unit. It describes the problem, defines the measures of successful treatment, elucidates interventions, and supplies the tools for achieving quality care. Organized in four parts, it covers the impact of AF on patient populations; the presentation and management of AF; the transition to the outpatient environment; and systems management. Topics include the economic consequences of AF; cardioversion and cardiac implantable electronic devices in AF management; education of the AF patient and discharge planning; and quality metrics in AF. The book also provides order,[...]

More on www.springer.com/978-3-319-31384-9

Hardcover
2016. XII, 289 p. 39 illus., 24 illus. in color. (Contemporary Cardiology)
➤ 96,29 €
ISBN 978-3-319-31384-9
Gewöhnlich versandfertig in 3-5 Werktagen.

Atrial Fibrillation and Percutaneous Coronary Intervention
A Case-based Guide to Oral Anticoagulation, Antiplatelet Therapy and Stenting

This book considers paradigmatic clinical cases in order to cast light on key issues relating to elective or emergency stent implantation and the use of oral anticoagulation (OAC) in patients with atrial fibrillation. The topics addressed include the optimal periprocedural antithrombotic treatment (uninterrupted vs interrupted OAC, intraprocedural use of heparin and glycoprotein IIb/IIIa inhibitors, etc.), the most appropriate type of stent (bare metal vs drug eluting vs “bioactive”), the optimal regimen (e.g., triple therapy of OAC, aspirin, and clopidogrel vs the combination of OAC and a single antiplatelet agent), and the most suitable duration of the antithrombotic treatment[...]

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underlying renal conditions. The book considers all those pathologies that have a high prevalence in[...]

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ISBN 978-3-319-43466-7
**Erscheinungstermin: March 31, 2017**

A. Varghese, N. Uren, P. Ludman (Eds.)

**Cases in Structural Cardiac Intervention**
Multimodality cardiovascular imaging is essential for interventional cardiac procedures and both fields are evolving rapidly. Multimodality Imaging in Cardiac Interventions captures the current state of clinical utility and provides a unique visual aide for teaching, training, and education. The editors have brought together a variety of leading experts from across the United Kingdom to guide the interested viewer in the indications and practicalities of state-of-the-art techniques. This book visually demonstrates the indications and methodology involved in several important cardiac interventions that rely heavily on multimodality cardiovascular imaging for their[...]

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▶ 117,69 €
ISBN 978-1-4471-4980-4
**Erscheinungstermin: March 5, 2017**

Y. Zhou, F. Kiemeneij, S. Saito, W. Liu (Eds.)

**Transradial Approach for Percutaneous Interventions**
This book outlines the state of the art in transradial intervention and illustrates case-based learning for the transradial access (TR access) technique, especially in complex lesions. Offering a practical guide, it includes essential tips and tricks on how to overcome anatomical complexities, how to avoid radial complications, multiple case-based learning for very complex PCI, etc. It also discusses the advantages of the TR intervention, such as reduced vascular access site complications and immediate patient mobilization. The authors, who work at respected transradial centers, share their extensive experience with TR intervention, providing a comprehensive review of current[...]

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ISBN 978-94-017-7349-2
**Erscheinungstermin: February 27, 2017**