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Altri autori (Persone)	ArampatzisChourmouzos
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	<p>""Front Cover""; ""Dedication""; ""Contents""; ""Contents of online material""; ""Contributors""; ""Foreword""; ""Preface""; ""Abbreviations""; ""Chapter 1 Current concepts of plaque formation and the progression of atherosclerosis""; ""Chapter 2 Screening and identifying high-risk individuals in the general population by using traditional risk factors""; ""Chapter 3 The role of genomics and proteomics in identifying subjects at risk of clinical manifestations of coronary atherosclerosis and their future clinical applications""</p> <p>""Chapter 4 Identification of the patient at risk: Current role of biomarkers and evolving avenues for research""""Chapter 5 Stable and unstable atherosclerotic disease: Definitions, clinical manifestations, and pathophysiology""; ""Chapter 6 Clinical evaluation of the patient with chest pain""; ""Chapter 7 Exercise stress testing, stress echocardiography, and scintigraphy: Which tool for which patient?""; ""Chapter 8 Multislice computed tomography: Role in diagnosis and risk stratification""</p> <p>""Chapter 9 Magnetic resonance imaging: Role in diagnosis and risk stratificationPier Giorgio Masci and Jan Bogaert""""Chapter 10 PET-CT: Role in diagnosis and potential to predict the response to revascularization""; ""Chapter 11 From conventional to three-dimensional coronary angiography: Potential clinical implications"";</p>

""Chapter 12 Fractional flow reserve: Role in guiding clinical decision making""; ""Chapter 13 Intravascular ultrasound: Role in patient diagnosis and management""
""Chapter 14 Photoacoustic imaging of coronary arteries: Current status and potential clinical applications""""Chapter 15 Plaque imaging with optical coherence tomography: Current status and potential clinical implications""; ""Chapter 16 Thermal assessment of the human coronary atherosclerotic plaque: Current status and potential clinical implications""; ""Chapter 17 Imaging of structure and composition of lipid core plaque with a combination NIRS-IVUS system: Current status and potential clinical applications""
""Chapter 18 Role of endothelial shear stress in the destabilization of coronary plaque: Acute coronary syndromes and rapid plaque progression""""Chapter 19 Tissue characterization using virtual histology and iMAP: Current status and potential clinical applications""; ""Chapter 20 The role of angiography in the assessment of the atherosclerotic plaque: Current status and potential clinical applications""; ""Chapter 21 What is the optimal imaging tool for coronary atherosclerosis?""; ""Chapter 22 Optimization of primary and secondary prevention""
""Chapter 23 Anti-ischemic pharmacotherapy in patients with established coronary artery disease""

Sommario/riassunto

The prevalence of coronary artery disease is increasing due to rising rates of obesity and the fact that a greater number of people are living longer. Coronary Atherosclerosis: Current Management and Treatment addresses this leading cause of death worldwide. Atherosclerosis has a broad range of disease manifestations depending on the degree of the stenosis and the functional status of the coronary plaque. This volume, written by a leading international team of editors, addresses the pathophysiology of the disease, established and novel diagnostic approaches (both invasive and non-invasive), treatment methodologies (including treatment algorithms), and differing perspectives on treatment, including future therapies and long-term outcomes. The inclusion of personal perspectives from experts, full-color images and ancillary video files make this a key resource. Key topics include: Pharmacology of coronary artery disease (CAD) Up-to-date evidence on pathophysiology Invasive and non-invasive imaging Current evidence for risk stratification Clinical decisionmaking Coronary Atherosclerosis: Current Management and Treatment provides a state-of-the-art review of current knowledge to aid specialists, general physicians, and cardiologists in training, in the diagnosis, risk stratification, and management of patients with diverse presentations of coronary atherosclerosis.
