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Chapter 5 Homocysteine: A Controversial Cardiovascular Risk Factor; Introduction; Epidemiological Studies: Establishment of Homocysteine as a Risk Factor; Animal Models of Hyperhomocysteinemia; Clinical Intervention Trials; Summary and Perspectives; References; Chapter 6 Hypertension as a Risk Factor for Atherosclerosis; Introduction; Evidence Linking Atherosclerosis and Hypertension; Molecular and Cellular Mechanisms Linking Hypertension and Atherosclerosis; Implications for Treatment and Future Directions; References
Chapter 7 The Genetics of Atherosclerosis: From Polymorphisms to Populations Introduction; Lessons from Mendelian Diseases-Familial Hypercholesterolemia; Role for Genetic Diagnosis and Screening; Genetically Isolated Population Studies: Implications for Atherosclerosis in the General Population; GWAS to Identify Atherosclerosis Risk Genes in the General Population; Identification of a Risk Allele Located at 9P21 by GWAS; Technologic Advances and the Future; Conclusion; Acknowledgments; References; Chapter 8 Life Style; Introduction; Lifestyle Factors and Cardiovascular Disease
Lifestyle Factors and Cardiovascular Disease in the Young Physical Activity; Diet and Nutrition; Environmental Effects; Ambient Air Pollution; Other Environmental Factors; Summary; References; Section II Cellular Mechanisms; Chapter 9 Endothelial Cells; Introduction; Endothelial Nitric Oxide; Flow and Arterial Shear Stress; Peroxisome Proliferator-Activated Receptor Nuclear Receptor Family; Endothelial Progenitor Cells; Future Directions; References; Chapter 10 Vascular Smooth Muscle Cells; Introduction; SMCS in Atheroma Progression; Extrinsic Control of SMC Biology
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Sommario/riassunto

Comprehensive and in-depth in its coverage, *Atherosclerosis: Cellular, Molecular & Biochemical Mechanism and Novel Therapy* reviews the recent progress in atherosclerosis research and offers cutting edge perspectives from experts in the field. Written by an international team of authors including leading physician-scientists, research experts and physicians, chapters are divided into four major sections, covering risk factors, cellular and molecular mechanisms, biochemical mechanisms and novel and future therapeutics. *Atherosclerosis: Cellular, Molecular & Biochemical Mechanism and Novel*
