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Nota di contenuto	Endothelial Dysfunctions and Vascular Disease; Contents; Contributors; Preface; Foreword; Acknowledgments; Dedication; Part I: The basis of endothelial involvement in vascular diseases; 1 Endothelial functions and dysfunctions; 2 Endothelial activation and the initiation of atherosclerosis; 3 Mechanisms of plaque progression and complications; 4 Angiogenesis in cardiovascular disease; Part II: The endothelium and cardiovascular risk factors; 5 VLDL and atherosclerosis; 6 High-density lipoprotein and atheroprotection 7 Advanced glycation endproducts and the accelerated atherosclerosis in diabetes8 Homocysteine and endothelial dysfunction; 9 Lipoprotein (a) and the artery wall; 10 Oxidative stress and vascular disease; 11 Infections and vascular disease; Part III: Diagnostic tools and markers of endothelial functions; 12 Endothelial vasodilatory dysfunction: basic concepts and practical implementation; 13 Endothelial vasodilatory dysfunction and risk factors in adults; 14 Endothelial vasodilatory dysfunction in early life; 15 Endothelial vasodilatory dysfunction in

hypertension

16 Vascular function and diabetes mellitus 17 Dyslipidemia and endothelial dysfunction: pathophysiology and therapy; 18 Soluble adhesion molecules as in vivo biohumoral markers of vascular cell activation; Part IV: Endothelium-directed prevention and therapy; 19 Hormone replacement therapy and cardiovascular disease; 20 Anti-atherogenic effects of omega-3 fatty acids; 21 Treatment of endothelial dysfunction and atherosclerosis by cholesterol lowering; 22

Antioxidants and endothelial protection

23 Angiotensin-converting enzyme inhibitors and angiotensin II type 1 receptor blockers to reverse endothelial dysfunction 24 PPARs in atherosclerosis; 25 Stem cells in atherosclerosis and atherosclerosis-related vascular disorders; 26 Endothelium-targeted gene and cell-based therapy for cardiovascular disease; Index

Sommario/riassunto

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 endothelium-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:- endothel