

1. Record Nr.	UNINA9910300227803321
Titolo	Arterial Disorders : Definition, Clinical Manifestations, Mechanisms and Therapeutic Approaches / / edited by Adel Berbari, Giuseppe Mancia
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-14556-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (426 p.)
Disciplina	610 616.12 616.13 616.61
Soggetti	Cardiology Angiology Nephrology Medicine Biomedicine, general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	PART I Introduction: Definition/Epidemiology of arterial disease -- PART II Normal structure and physiology of the arterial system -- PART III Classification of arterial pathology and clinical manifestations: Atherosclerosis -- Arteriosclerosis -- Disease of Precapillary resistance vessels -- PART IV Pathogenetic mechanisms in arterial disease: Hemodynamic and mechanical factors -- Metabolic factors -- Inflammatory markers -- Neurohormonal interactions -- Mineral-bone/ arterial interactions -- Endothelial function and impairment -- Miscellaneous: Pharmacologic/factors/environmental factors -- PART V Systemic arterial disorders: Arterial aging -- Diabetes mellitus -- Metabolic Syndrome/obesity -- Chronic kidney disease/Renovascular interactions -- Pulmonary Hypertension/Pulmonary vascular interactions -- Systemic vasculitides -- Genetic/ degenerative disorders -- Hypertension -- Toxemia of pregnancy -- Kidney transplants, both donors and recipients -- PART VI Evaluation

procedures: Arterial function -- Renal resistive index -- Retinal microcirculation -- PART VII Therapeutic options: Lifestyle modifications -- Pharmacologic approaches.

Sommario/riassunto

As our knowledge about arterial disease is greatly expanding, the aim of this book is to explore all aspects of arterial pathology, including classification, clinical manifestations, pathogenesis, and therapeutic options. The discussion of pathophysiologic mechanisms of arterial disease is wide ranging, encompassing hemodynamic, metabolic, humoral, inflammatory, genetic and environmental factors. Particular emphasis is placed on recent concepts, such as: the role of age-associated arterial alterations in the initiation and progression of cardiovascular diseases in older persons, the importance of mineral metabolism-bone vascular interactions, the clinical and prognostic significance of the renal resistive index, retinal circulation, toxemia of pregnancy as an arterial disease, and the role of pulmonary/vascular interaction in pulmonary hypertension and cross-talk of macrocirculation and microcirculation in target organ involvement. Evaluation procedures are carefully explained, and the full range of currently available therapeutic options, including lifestyle modifications and pharmacologic approaches, are described and appraised.