

1. Record Nr.	UNINA9910254535003321
Titolo	Interventional Therapies for Secondary and Essential Hypertension // edited by Costas Tsioufis, Roland E. Schmieder, Giuseppe Mancina
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-34141-3
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (X, 363 p. 19 illus., 13 illus. in color.)
Collana	Updates in Hypertension and Cardiovascular Protection, , 2366-4606
Disciplina	616.12
Soggetti	Cardiology Vascular surgery Nephrology Endocrinology Cardiac surgery Vascular Surgery Endocrinology Cardiac Surgery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Part I Interventions for secondary hypertension - 1 Renovascular hypertension (Indications for intervention, Procedural aspects, Patient follow-up) -- 2 Primary hyperaldosteronism (Diagnosis and method of localization, Management algorithm and the role of interventional therapy, Outcome and follow-up) -- 3 Pheochromocytoma/paragangliomas (Confirmation of diagnosis, Preoperative management and surgical procedure, Follow-up: drugs, monitoring and other testing) -- 4 Coarctation of the aorta (Indications for intervention, Stenting versus surgical repair) -- Part II Adjunctive therapies - 5 Bariatric surgery ( Indications, Procedure types: safety and efficacy) -- 6 Sleep apnea (Pathophysiological aspects between sleep apnea and hypertension, Indications for screening, diagnosis and treatment, Positive airway pressure and other devices) -- Part III Interventions for Essential hypertension - 7 Rationale for interventions (The cerebrovascular impact of uncontrolled hypertension, The impact

of uncontrolled hypertension on the heart, What to pay attention to before interventional therapy, Optimization of antihypertensive treatment, Blood pressure measurement before and after intervention, Adherence to medications, New pharmacological agents) -- 8 Renal Sympathetic Denervation (Pathophysiology, Procedural aspects, Safety, Efficacy on blood pressure, Effects beyond blood pressure lowering , Effects on sympathetic nervous system activity, Alternative methods for renal denervation) -- 9 Carotid baroreceptor stimulation (Pathophysiology, Procedural aspects, Safety and efficacy: overview) -- 10. Other interventions (Arteriovenous anastomosis, Carotid body modulation) -- 11 Heart Failure: Interventions for neuromodulation (Rationale, Current methods. A critical overview).

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## Sommario/riassunto

This book aims to describe the role of interventional therapies in various forms of secondary hypertension and to explain the ability of such approaches to address unmet needs in the setting of uncontrolled essential hypertension. The coverage encompasses interventions in the full range of relevant conditions, including the various specific pathologies responsible for secondary hypertension, such as renal artery stenosis, coarctation of the aorta, and adrenal tumors. In each case, up-to-date information is presented on indications, procedural aspects, and patient follow-up. A further focus is the most recent knowledge on the use of invasive neuromodulation, such as renal sympathetic denervation and baroreflex stimulation. The text is supplemented by helpful explanatory diagrams and treatment algorithms. A comprehensive clinical guide of this nature has to date been absent from the literature. The book will be of interest to clinicians managing hypertensive patients, researchers investigating advanced hypertension management, and students on cardiology courses.

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