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Titolo	Atlas of Cardiac Innervation / / edited by Vasken Dilsizian, Jagat Narula
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ISBN	3-319-45800-0
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (X, 183 p. 165 illus., 144 illus. in color.)
Disciplina	616.12
Soggetti	Cardiology Nuclear medicine Radiology Nuclear Medicine Diagnostic Radiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Autonomic Innervation System in the Heart: Anatomy and Molecular Biology -- Neural Control of Cardiac Function in Health and Disease -- Chemistry and Biology of Radiotracers Designed to Target Changes in the Myocardial Sympathetic and Parasympathetic Nervous Systems as a Function of Disease or Treatment -- Neuronal Imaging in Heart Failure -- PET Imaging and Quantitation of Cardiac Innervation -- Neuronal Imaging and Reverse Remodeling -- Neuronal Imaging, Ventricular Arrhythmias, and Device Therapy in Heart Failure -- Cardiac Sympathetic Innervation and Ablation of Ventricular Tachycardia -- Dysautonomia: From the Brain Disorders to Neuropathies (including Diabetes) -- Cardiac Transplantation: Denervation, Reinnervation, and Myocardial Blood Flow.
Sommario/riassunto	This atlas elucidates the role of the neuronal component in normal cardiovascular function and cardiac disorders and discusses the currently available imaging targets and probes. It provides a foundation in cardiac neuronal imaging and image processing and serves as a guide in the effective utilization of these techniques in clinical and research settings. The atlas discusses the principles of autonomic

control in the regulation of cardiac function and disease; chemistry and biology of radiotracers designed to target changes in the myocardial sympathetic and parasympathetic innervation as a function of disease or treatment; neuronal imaging in heart failure and reverse remodeling and the use of PET imaging in quantification of cardiac innervation; cardiac sympathetic innervation in ventricular arrhythmias and device therapy; conditions that affect the autonomic nervous system; and the role of myocardial blood flow and cardiac neuronal imaging in denervation and reinnervation in cardiac transplant recipients. Featuring full-color illustrations, schematic diagrams, and diagnostic algorithms, *Atlas of Cardiac Innervation* is a valuable resource for cardiologists, radiologists, nuclear medicine physicians, and electrophysiologists. .
