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Titolo	Cardiovascular Genetics and Genomics : Principles and Clinical Practice // edited by Dhavendra Kumar, Perry Elliott
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ISBN	3-319-66114-0
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XIX, 920 p. 164 illus., 110 illus. in color.)
Disciplina	616.12
Soggetti	Cardiology Human genetics Human Genetics
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	Introduction to Genes, Genome and Inheritance -- Elements of Clinical Cardiovascular Genetics: Spectrum and Classification -- Principles and Practice of Genetic Counselling for Inherited Cardiac Conditions -- Genetic and Genomic Technologies: Next Generation Sequencing for Inherited Cardiovascular Conditions -- Pharmacogenetics and pharmacogenomics in cardiovascular medicine and surgery -- Congenital Cardiovascular Disorders including Adult Congenital Heart Disease -- Inherited cardiovascular metabolic disorders -- Mitochondrial cardiovascular diseases -- Inherited Cardiac Muscle Disorders: Hypertrophic and Restrictive Cardiomyopathies -- Inherited Cardiac Muscle Disorders: Dilated Cardiomyopathy -- Inherited Cardiac Muscle Disorders: Arrhythmogenic Right Ventricular Cardiomyopathy -- Inherited Cardiac Muscle Disorders: Left Ventricular Noncompaction -- Inherited arrhythmias: LQTS/SQTS/CPVT -- Inherited arrhythmias: Brugada syndrome and early repolarisation syndrome -- Inherited Conduction Disease and Atrial Fibrillation -- Cardiovascular manifestations in Duchenne/Becker muscular dystrophy and other primary myopathies -- Inherited cardiac amyloidosis -- Cardiovascular manifestations of inherited myotonias -- Marfan syndrome and related inherited aortopathies -- Cardiovascular manifestations in inherited

connective tissue disorders -- Thoracic aortic dilatation, aneurysm and dissection -- Genetics and genomics of coronary artery disease -- Cardiovascular manifestations of immune-mediated inflammatory Disorders -- Genetics and Genomics of Stroke -- Genetics and genomics of systemic hypertension -- Inherited pulmonary arterial hypertension -- Genetics and Genomics of Sudden Unexplained Cardiac Death -- Specific issues in clinical genetics and genetic counselling practices related to inherited cardiovascular conditions -- Multidisciplinary management for inherited cardiovascular conditions -- Internal devices and interventions for inherited cardiac conditions -- Inherited cardiovascular conditions: phenotype-genotype data mining and sharing; databases.

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### Sommario/riassunto

This title reflects the exponential growth in the knowledge and information on this subject and defines the extensive clinical translation of cardiovascular genetics and genomics in clinical practice. This concise, clinically oriented text is targeted at a broad range of clinicians who manage patients and families with a wide range of heterogeneous inherited cardiovascular conditions. Cardiovascular Genetics and Genomics: Principles and Clinical Practice includes a concise and clear account on selected topics written by a team of leading experts on clinical cardiovascular genetics. Each chapter include key information to assist the clinician and case histories have been incorporated to reflect contemporary practice in clinical cardiovascular genetics and genomics. Therefore this will be of key importance to all professionals working in the discipline, from clinicians and trainees in cardiology, cardiac surgery, electrophysiology, immunology through geneticists, nursing staff and those involved in precision medicine.

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