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Nota di contenuto	The gene in the twenty-first century / Choong-Chin Liew, Victor J. Dzau -- Monogenic hypercholesterolemia / Ruth McPherson -- Hypertrophic cardiomyopathy / Ali J. Marian -- Dilated cardiomyopathy and other cardiomyopathies / Mitra Esfandiarei, Robert Yanagawa, Bruce M. McManus -- The long QT syndrome / Sabina Kupersmidt, Kamilla Kelemen, Tadashi Nakajima -- Atherosclerosis / Paivi Pajukanta, Kiat Tsong Tan, Choong-Chin Liew -- Heart failure / Markus Meyer, Peter VanBuren -- The implications of genes on the pathogenesis, diagnosis and therapeutics of hypertension / Kiat Tsong Tan, Choong-Chin Liew -- Gene therapy for cardiovascular disease: inserting new genes, regulating the expression of native genes, and correcting genetic defects / Ion S. Jovin, Frank J. Giordano -- Stem cell therapy for cardiovascular disease / Emerson C. Perin, Guilherme V.

Silva -- Pharmacogenetics and personalized medicine / Julie A. Johnson, Issam Zineh -- The potential of blood-based gene profiling for disease assessment / Steve Mohr, Choon-Chin Liew.

Sommario/riassunto

Until recently, a modest knowledge of genetics was more than adequate for the daily practice of clinical cardiology, but advances in genetics and genomics are changing cardiovascular medicine in fundamental ways. The identification of the genetic basis of several forms of dyslipidemia, hypertension, diabetes, cardiomyopathies, and vascular diseases signalled the new importance of genetics in clinical medicine. In this timely volume, Drs. Dzau and Liew - both pioneers in the area - help cardiologists understand: how cardiovascular genetics may remodel the way cardiovascular medicine
