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Nota di contenuto	Preface -- Introduction -- Foreword -- Hypertrophic Cardiomyopathy: The Past, The Present, and The Future -- Natural History of Untreated Hypertrophic Cardiomyopathy -- Pathology & Pathophysiology -- Approach to Diagnosis: Echocardiography -- Cardiac MRI in Diagnosis and Management -- Genetics of HCM and Role of Genetic Testing -- Assessment of Heart Failure: Invasive and Non-invasive Methods -- Assessment of Syncope: Pediatric Diagnosis and Management -- Sudden Cardiac Death Risk Assessment -- Youth and Athletic Screening: Rationale, Methods and Outcome -- Lifestyle Modification: Exercise, Sports and Other Issues -- Diet, Nutrition and Managing Obesity -- Family Screening: Who, When and How -- Current Medical Therapy: From Beta–Blockers to Disopyramide -- Pathophysiology and Management of Concomitant Hypertension -- Diagnosing and Managing Pulmonary and Right-Sided Heart Disease: Pulmonary Hypertension, Right Ventricular Outflow Pathology, and Sleep Apnea -- Epiphenomena in Hypertrophic Cardiomyopathy: Epicardial and Microvascular Ischemia: Diagnosis and Management -- Indications, Outcomes and Complications of PPM and ICD Placement -- Management of Arrhythmia: Medications, Electrophysiology Studies and

Ablation -- Indications for and Individualization of Septal Reduction Therapy -- Surgical Myectomy and Associated Procedures: Techniques and Outcomes -- Alcohol Septal Ablation: Technique and Outcome -- Managing the High-Risk Patient: Critical Care, TAVR, MitraClip, Pressors and Cardiac Assist Devices -- End-Stage Diastolic and Systolic Heart Failure: Evaluation and Timing of Heart Transplantation -- Novel Pharmocotherapy in HCM: Research Update -- Approach to the Initial and Follow-Up Visits -- Evaluation and Management of Hypertrophic Cardiomyopathic Patients through Noncardiac Surgery and Pregnancy -- Constructing a Hypertrophic Cardiomyopathy Center of Excellence -- Longitudinal Case-Based Presentations in HCM.

Sommario/riassunto

This extensively updated edition provides a comprehensive review of hypertrophic cardiomyopathy, the most common genetic disorder of the heart characterized by dysfunctional contractility at the sarcomere level. The disease produces abnormal and oftentimes focal hypertrophy on a macroscopic level that further impairs cardiac performance and may lead to life-threatening arrhythmias. This edition provides a practical approach, establishing evidence-based best practice for all scenarios. Hypertrophic Cardiomyopathy provides readers with key points and critical clinical pearls to assist them in managing patients. New chapters have been included on managing hypertension, sleep apnea, coronary artery disease, structural and congenital disease, nutrition and pharmacotherapies. All aspects of treatment are covered – medications, pacemakers and defibrillators, and invasive septal reduction therapy (both surgical myectomy and alcohol septal ablation) – in addition to genetics, family screening, lifestyle concerns, and athletic screening. The practical approach has been reinforced with an expanded emphasis on creating a Center of Excellence, how to facilitate the multi-disciplinary approach, and on case-based reviews and discussions, with each chapter ending with a post-test. This book is an essential text for cardiology professionals from trainee to board-certified physician, and includes important information for interventional cardiologists, cardiac surgeons, cardiac imagers, critical care physicians, sports medicine physicians, genetic counsellors, and electrophysiologists.