1. Record Nr. UNINA9910369934903321

Titolo	Cardiac Repolarization : Basic Science and Clinical Management / / edited by Nabil El-Sherif
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-22672-7
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (352 pages)
Disciplina	612.171 616.12807
Soggetti	Cardiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I. Pathophysiology, Molecular Biology, and Clinical Management of Cardiac Repolarization -- 1. Physiology and Molecular biology of Cardiac Ion Channels and Ventricular Repolarization -- 2. Cardiac Repolarization and the Autonomic Nervous System -- 3. Role of Repolarization Remodeling in Organic Heart Disease -- 4. Stem Cells in Study and Treatment of Cardiac Repolarization -- 5. Racial and Gender Differences in Cardiac Repolarization and Arrhythmogenesis -- 6. ECG-derived Evaluation of Cardiac Repolarization -- Part II. Pathophysiology, Molecular Biology, and Clinical Management of Long QT Syndromes -- 7. Physiology and Molecular Biology of Congenital Long QT Syndrome (LQTS) -- 8. Pharmacotherapeutics and Clinical Management of Congenital LQTS -- 9. Drug-induced LQTS -- 10. Arrhythmogenic Mechanism of TdP in LQTS -- 11. Pathogenesis of Autoimmune-associated LQTS -- 12. Role of inflammation and Autoimmune Disease in LQTS -- 13. Future of Genetic Therapy of Congenital LQTS -- Part III. Pathophysiology, Molecular Biology, and Clinical Management of Early Repolarization Syndromes -- 14. Genetics, Molecular biology, and Emerging Concepts of Early Repolarization Syndrome (ERS) -- 15. Electrocardiographic J-wave and Cardiovascular Risk in the General Population -- 16. Benign Versus Malignant Early Repolarization Patterns -- 17. Genetics, Molecular Biology, and Management of Brugada Syndrome -- Part IV. Pathophysiology and Clinical

Management of Special Cardiac Repolarization Syndromes -- 18. Genetics, Molecular Biology, and Management of Short QT Syndrome -- 19. Pathophysiology of Repolarization Alternans -- 20. Microvolt T-wave Alternans: Pathophysiology and Clinical Aspects -- 21. Atrial Repolarization and Arrhythmogenesis: Basic and Clinical Aspects.

Sommario/riassunto

This book provides a comprehensive, up-to-date overview of clinical and research aspects of cardiac repolarization geared toward practicing cardiologists and physicians. It analyzes elements of pathophysiology and molecular biology as they relate to the clinical aspects of cardiac repolarization, long QT syndromes, early repolarization syndromes, and special cardiac repolarization syndromes. Each chapter examines different aspects of the field with basic and clinical overviews and highlights the impact on medical management. The book covers a variety of repolarization topics including the influence of the autonomic system, racial and gender differences in patients, the future role of stem cells, inflammation and autoimmunity, and cardiovascular risk. Cardiac Repolarization: Basic Science and Clinical Managementis an essential resource for physicians and related professionals, residents, fellows, and graduate students in cardiology, clinical cardiac electrophysiology, internal medicine, and cardiovascular biology.