

Cardiac repolarization : bridging basic and clinical science /

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Monografía

The past decade has seen an explosion of knowledge and radical changes in our understanding of ventricular repolarization as an integral part of the cardiac electrophysiologic matrix. Cardiac Repolarization: Bridging Basic and Clinical Science comprehensively reviews all the latest developments in cardiac electrophysiology, focusing on both clinical and experimental aspects of ventricular repolarization, including newly discovered clinical repolarization syndromes, electrocardiographic phenomena, and their correlation with the most recent advances in basic science. The authors illuminate the basic electrophysiologic, molecular, and pharmacologic mechanisms underlying ventricular repolarization, relate them to specific disease conditions, and examine the future of antiarrhythmic drug development based on both molecular and electrophysiological properties. They also fully review the clinical presentation and management of specific cardiac repolarization conditions, among them early repolarization and short QT interval, Brugada syndrome, long QT syndrome, and sudden infant death syndrome. Chapters delineate objectives and key points, and include established and evidence-based knowledge, current perspectives, areas of controversy, and recommendations for future investigations. Comprehensive and clinically oriented, Cardiac Repolarization: Bridging Basic and Clinical Science surveys the major research discoveries that have recently transformed our understanding of cardiac electrophysiology and spells out in full detail their clinical implications for the diagnosis and treatment of patients with malignant electrical instability of the heart

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