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system; Discussion; Patterning of the mouse conduction system; Discussion; Clinical pathology of the cardiac conduction system; Discussion; Cardiac conduction and arrhythmia: insights from Nkx2.5 mutations in mouse and humans; Discussion; The genetic origin of atrioventricular conduction disturbance in humans; Discussion Defects in cardiac conduction system lineages and malignant arrhythmias: developmental pathways and diseaseDiscussion; Final general discussion; Index of contributors; Subject index

Sommario/riassunto

The pacemaking and conduction system (PCS) is vital for generating and synchronizing the heart beat. Dysfunction of this system can be a direct cause of cardiac conduction disturbance, arrhythmias and sudden cardiac death. A wealth of information has been collected over many years on the unique histological, morphological and phenotypic characteristics of specialized cardiac tissues. The cellular and molecular mechanisms that govern development of the PCS are now starting to be understood. This book draws together contributions from an international and interdisciplinary group of experts w

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Autore Anglicus

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