Understanding Cardiac Electrophysiology: A Conceptually Guided Approach

Peter Spector
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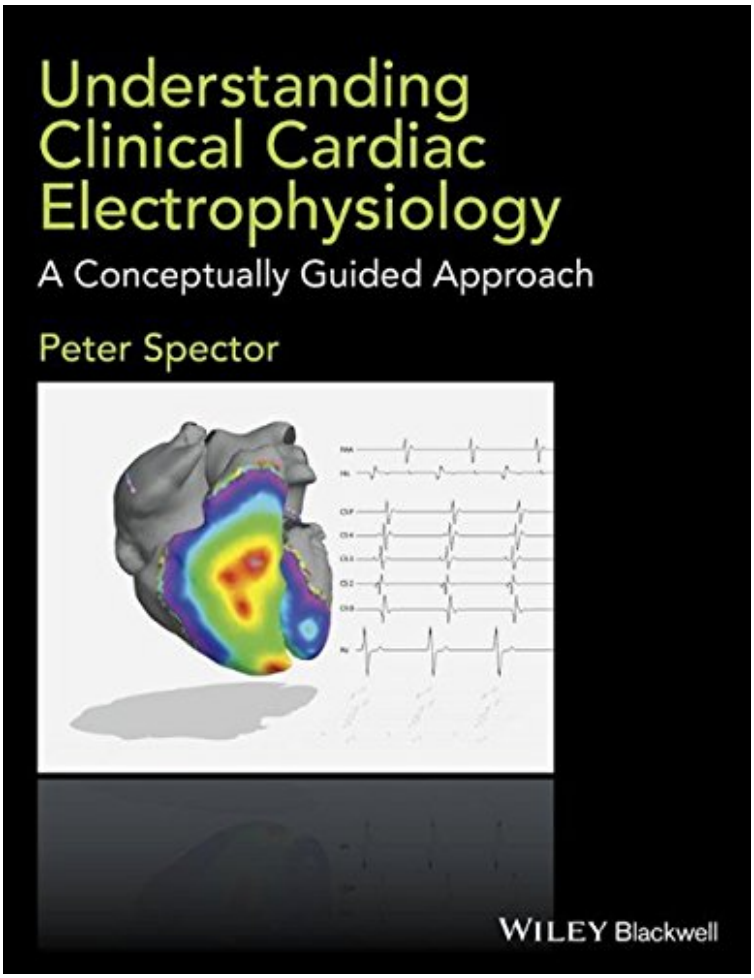

#1623058 in Books Peter Spector 2016-05-16Original language:EnglishPDF # 1 10.90 x .30 x 8.50l, .84 #File Name: 1118905490136 pagesUnderstanding Cardiac Electrophysiology A Conceptually Guided Approach | File size: 65.Mb

Peter Spector : Understanding Cardiac Electrophysiology: A Conceptually Guided Approach before purchasing it in order to gage whether or not it would be worth my time, and all praised Understanding Cardiac Electrophysiology: A Conceptually Guided Approach:

In the fast paced world of clinical training, students are often inundated with the what of electrophysiology without the why. This new text is designed to tell the story of electrophysiology so that the seemingly disparate myriad observations of clinical practice come into focus as a cohesive and predictable whole. Presents a unique, conceptually-

guided approach to understanding the movement of electrical current through the heart, the impact of various disease states and the positive effect of treatment Reviews electrophysiologic principles and the analytic tools which, when combined with a firm grasp of EP mechanisms, allow the reader to think through any situation Presents the mathematics necessary for the practice of cardiac electrophysiology in an accessible and understandable manner Contains accompanying video clips, including computer simulations showing the flow of electrical current through the heart, which help explain and visualise concepts discussed in the text Includes helpful chapter summaries and full color illustrations aid comprehension

From the Back CoverIn the fast paced world of clinical training, students are often inundated with the what of electrophysiology without the why. This new text is designed to tell the story of electrophysiology so that the seemingly disparate myriad observations of clinical practice come into focus as a cohesive and predictable whole. The first section of the book presents Dr Spectors unique approach to understanding the fundamental concepts in electrophysiology, from ion channels and propagation to arrhythmia mechanisms and the generation of electrograms. The second half of the book describes electrophysiology as it is seen by the clinician: through electrograms, imaging, response to pacing maneuvers and electro-anatomic mapping. The book is designed to teach the mechanisms that underlie electrophysiology so that the reader can figure out how to solve clinical problems rather than apply memorized algorithms. This book: Presents a unique, conceptually guided approach to understanding the movement of electrical current through the heart, the impact of various disease states, and the positive effects of treatment s the principles that underlie electrophysiology and the analytic tools which, when combined with a firm grasp of EP mechanisms, allow the reader to think through any situation in which they find themselves Presents the mathematics necessary for the practice of cardiac electrophysiology in an accessible and understandable manner Contains accompanying video clips, including simulations showing the flow of electrical current through the heart, which help explain and visualize the concepts discussed in the text Includes helpful chapter summaries and full-color illustrations to aid comprehension Understanding Clinical Cardiac Electrophysiology is essential reading for cardiac electrophysiology fellows, cardiology residents on rotation, cardiac electrophysiology laboratory technicians, device industry professionals, and general clinical cardiologists who want to enhance their understanding of cardiac electrophysiology.About the AuthorPETER SPECTOR, MD PROFESSOR OF MEDICINE, Director, Cardiac Electrophysiology and Cardiac Electrophysiology Laboratory, University of Vermont Medical Center, University of Vermont College of Medicine, Burlington, VT, USA