

# Mayo Clinic Electrophysiology Manual (Mayo Clinic Scientific Press)

From Oxford University Press

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**Mayo Clinic Electrophysiology Manual (Mayo Clinic Scientific Press)** From Oxford University Press

*Mayo Clinic Electrophysiology Manual* is the first comprehensive guide to the electrical activity of biological cells and tissues and the techniques of electrophysiology. Through a case-based discussion of patients with arrhythmias, the book illustrates the various contemporary techniques for diagnosis, imaging, and physiology-based therapeutic ablation.

Section One addresses the basics of electrophysiology, including device placement, recording, measurement, diagnosis, imaging, amperometry, and physiology-based therapeutic ablation, helping the reader appreciate and more fully understand the complexity and lessons of the emergent specialty. The second section is a case-based discussion of adult and pediatric arrhythmias broken down into twenty patient case studies intended to help the student and clinician apply their understanding of electrophysiology to real presentations, and think about how to plan and execute invasive study and ablation. Each of the twenty case chapters features a question and answer section in order to aid study and retention of material.

Replete with full-page color images of intracardiac electrograms, fluoroscopic images, ultrasound images, advanced mapping, and correlated anatomic dissection, *Mayo Clinic Electrophysiology Manual* is the first focused exploration of the topic and is specifically designed to help both students and practitioners understand and integrate techniques into their daily practice. At present, clinicians have to piece together information on electrophysiology from a variety of sources, often leaving gaps in knowledge. *Mayo Clinic Electrophysiology Manual* provides the clinician with a single authoritative guide and quick reference. Through in-depth analysis of electrophysiological techniques and an understanding of the anatomic and physiological basis for present day mapping, image integration, and ablation, this volume is an indispensable resource for students, practicing physicians, researchers, and experts in electrophysiology.

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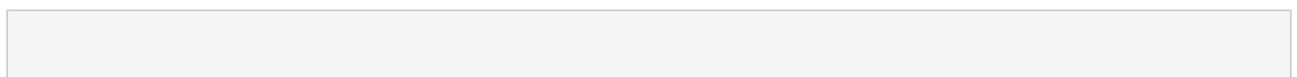
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## **Editorial Review**

### **Review**

"This is a thorough, well organized and highly readable manual of clinical electrophysiology with abundant clear figures emphasizing the arrhythmia and the underlying anatomy. It is capped off with a series of cases providing the reader with a chance to hone what they learned in the preceding chapters with real clinical scenarios. This should be very popular with any serious student of electrophysiology."

-- George J. Klein, MD, FRCP(C), Professor of Medicine, University of Western Ontario, London, ON, Canada

"Asirvatham and his colleagues from the Mayo Clinic have produced what surely will be a classic work in the field of cardiac electrophysiology. This book is a treasure. It is a unique compendium of cases and principles in electrophysiology that combine anatomy, electrophysiology and clinical imaging. Through a comprehensive discussion of specific cases, the authors prepare the cardiac electrophysiologist to appreciate the anatomy of physiology of the problems faced on a daily basis caring for patients with cardiac arrhythmias. The figures and anatomic drawings are spectacular and cannot be found in any other textbook. These drawings are in and of themselves a testament to one of the world's remaining powerhouses of medical illustration...After devouring this book, my only complaint is I hope I do not have to wait too long for the next edition."

-- Kenneth A. Ellenbogen, MD, Kontos Professor of Cardiology, Virginia Commonwealth University School of Medicine, Richmond, VA

"This text is indeed a manual as stated in the title with the primary goal of instructing in the performance of procedures in the clinical electrophysiology laboratory, which in current use is more appropriately termed the catheter ablation laboratory. However, the term "manual" greatly understates the depth and scope of the text. There are abundant illustrations and enlightened discussions of the mechanisms of arrhythmias and the anatomic variations and anomalies in the rich variety of cases presented both in the didactic first portion of the text and in the numerous case presentations of the second portion. This manual will benefit not only trainees but also experienced practitioners and academicians in the field."

-- Ralph Lazzara, MD, OU Regents Professor of Medicine, Heart Rhythm Institute, University of Oklahoma Health Sciences Center, Oklahoma City, OK

"This will be an excellent reference for clinicians in training and practicing cardiac electrophysiologists. The questions and case-based format will be particularly helpful to those in training." --*Doody's Health Sciences Book Review*

### **About the Author**

Samuel J. Asirvatham, Editor-in-Chief, Vice Chair of Cardiovascular Innovation, Division of Cardiovascular Diseases, Department of Internal Medicine, Mayo Clinic

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