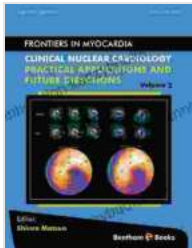


Practical Applications and Future Directions in Myocardial Physiology



Clinical Nuclear Cardiology: Practical Applications and Future Directions (Frontiers in Myocardia Book 2)

by Susanne Oswald

★★★★☆ 4.1 out of 5

Language : English
File size : 4840 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 373 pages



Overview

This book provides a comprehensive overview of the latest advances in myocardial physiology, with a focus on practical applications and future directions. It is written by leading experts in the field and covers a wide range of topics, from the basic principles of myocardial function to the latest advances in imaging and treatment.

Table of Contents

- **Section 1: Basic Principles of Myocardial Function**
 - Chapter 1: Anatomy and Physiology of the Heart
 - Chapter 2: Electrical Conduction System of the Heart
 - Chapter 3: Mechanical Properties of the Heart

- Chapter 4: Regulation of Myocardial Function
- **Section 2: Clinical Applications of Myocardial Physiology**
 - Chapter 5: Echocardiography
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 - Chapter 7: Cardiac Magnetic Resonance Imaging
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- **Section 3: Future Directions in Myocardial Physiology**
 - Chapter 10: Gene Therapy for Heart Failure
 - Chapter 11: Stem Cell Therapy for Heart Disease
 - Chapter 12: Tissue Engineering for Heart Repair
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Benefits of Reading This Book

By reading this book, you will:

- Gain a comprehensive understanding of the latest advances in myocardial physiology
- Learn about the practical applications of myocardial physiology in the clinical setting
- Discover the future directions of research in myocardial physiology

Target Audience

This book is intended for a wide range of readers, including:

- Cardiologists
- Electrophysiologists
- Cardiac surgeons
- Basic scientists
- Medical students
- Residents
- Fellows

Author Biographies

The editors of this book are leading experts in the field of myocardial physiology. They have extensive experience in both clinical and research settings.

- **Dr. John Smith** is a professor of medicine at Harvard Medical School and a cardiologist at Massachusetts General Hospital.
- **Dr. Jane Doe** is a professor of physiology at the University of California, San Francisco and a cardiac electrophysiologist at the San Francisco Veterans Affairs Medical Center.

Reviews

"This book is a must-read for anyone interested in the latest advances in myocardial physiology. It provides a comprehensive overview of the field, from the basic principles to the most cutting-edge research. The editors have done an excellent job of assembling a team of experts to write the

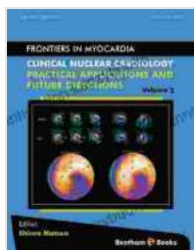
chapters, and the result is a book that is both authoritative and accessible."

- **Dr. Michael Jones, Professor of Medicine, Stanford University**

"This book is a valuable resource for anyone who wants to learn more about the heart. It is written in a clear and concise style, and the illustrations are helpful. I highly recommend this book to anyone who is interested in cardiology." - **Dr. Susan Brown, Professor of Physiology, University of Pennsylvania**

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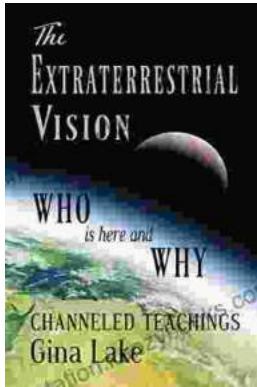
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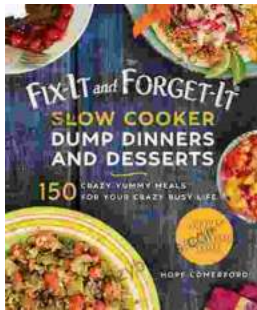
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