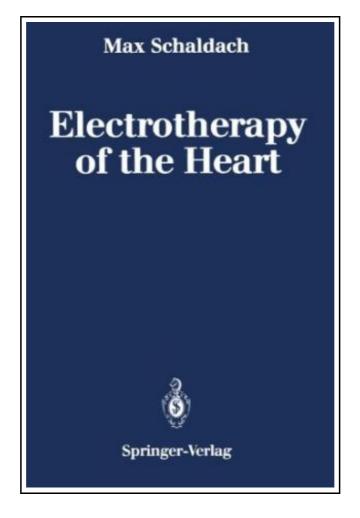
Electrotherapy of the Heart



Filesize: 5.85 MB

Reviews

Excellent eBook and useful one. it was actually writtern extremely perfectly and useful. You wont truly feel monotony at at any time of your time (that's what catalogues are for about when you question me).

(Zora Koch IV)

ELECTROTHERAPY OF THE HEART



To get **Electrotherapy of the Heart** eBook, remember to click the link listed below and save the ebook or gain access to other information that are have conjunction with ELECTROTHERAPY OF THE HEART ebook.

Book Condition: New. Publisher/Verlag: Springer, Berlin | Technical Aspects in Cardiac Pacing | Since 1958, when the first cardiac pacing system wasimplanted, the exemplary collaboration between medicine andengineering has developed into an extremely successfultherapy. The book highlights many of the recent and most importanttechnological advances and shows the multidisciplinarynature of the technical task of pacemaker development whichis based on the diverse components of physiology, electronics, physics, electrochemistry and the materialsciences. | Basic Anatomy and Physiology of the Heart.- Position and Structure of the Heart.- Generation and Tine Course of Excitation.- Excitation-Contraction Coupling and the Contraction Process.- Physiology of the Heartbeat.- The Pacemaker Potential and the Spread of Excitation.-Cardiac Mechanics.- Adjustments of the Heartbeat.- Neural-Humoral Control of Circulation.- Role of the Autonomic Nervous System in Cardiovascular Regulation.- Circulatory Regulation in Patients with Disorders of the Heart's Pacemaking or Conducting System.- Monitoring the Electrical Activity of the Heart.-Pathophysiology.- Disorders of the Pacemaking Function.- Disturbances of Conduction.- Therapy for Cardiac Rhythm Disturbances.- Electrotherapy in the Treatment of Cardiac Rhythm Disturbances.- Pacemaker Technology.- Implantable Pacemakers: History, Current Status and Trends.- Multiprogrammable Single-Chamber Pacemakers.- Technical Solution for the Multiprogrammable Single-Chamber Pacemaker.-Multiprogrammable Dual-Chamber Pacemaker.- Technical Solution for the Dual-Chamber Pacemaker.-Controlled and Regulated Pacemakers.- Control Aspects of Cardiac Output Adjustment.- Different Strategies of Rate Adaptation.- Forward Consideration of Disturbance Variables.- Open-Loop Control Using Corporeal, Non-Cardiac State Variables.- Rate Adaptation Using Cardiac Parameters.- Status of the Application of Corporeal Control Parameters.- Motion Energy as a Control Parameter.- Central Venous Temperature as a Corporeal Control Parameter.- Cardiac Control Parameters.- Principles of Intracardiac Conductance Measurement.- Basic Aspects of Conductance.- Anisotropic Impedance.- Employment of PEP for Rate Adaptation.- Improving the PEP Control: Concept of VIP.- Unipolar Right Ventricular Conductance Measurement.- Clinical Results.- Employment of Volume Information for Rate Adaptation.- Conclusions.- The Stimulating Electrode.- Electrode/Myocardium Interface.- Helmholtz Doublelayer.- Electrical Characteristics.-...



Read Electrotherapy of the Heart Online Download PDF Electrotherapy of the Heart

Related Books



[PDF] TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)

Click the hyperlink listed below to download "TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)" document.

Save Document »



[PDF] Summer the 25th anniversary of the equation (Keigo Higashino shocking new work! Lies and true Impenetrable(Chinese Edition)

Click the hyperlink listed below to download "Summer the 25th anniversary of the equation (Keigo Higashino shocking new work! Lies and true Impenetrable(Chinese Edition)" document.

Save Document »



[PDF] Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications.

Click the hyperlink listed below to download "Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications." document.

Save Document »



[PDF] The Secret Life of the Sesame Street children (nine analysis baby heart most secret(Chinese Edition)

Click the hyperlink listed below to download "The Secret Life of the Sesame Street children (nine analysis baby heart most secret(Chinese Edition)" document.

Save Document »



[PDF] Games with Books: 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade

Click the hyperlink listed below to download "Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade" document.

Save Document »



[PDF] Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade

Click the hyperlink listed below to download "Games with Books: Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade" document.

Save Document »