TEXTBOOK OF CLINICAL ELECTROCARDIOGRAPHY

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KEY SELLING POINTS

♦ Concise, detailed explanations of ECG readings
♦ For students, postgraduates and clinicians
♦ Explains common, uncommon and newly emergent conditions

BOOK INFORMATION

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Extent: 670 pages

Reading an ECG is not an easy task and the interpretation of the data can vary from one person to another. There are a host of ECG books on the market which give simplistic advice, but very few which offer the necessary content for a clinical textbook on the subject – namely, illustrations, case studies and a **concise but detailed explanation of ECGs** when applied to the various circumstances of abnormal heart conditions.

The use of Electrocardiography has now become commonplace when diagnosing cardiac problems. This book deals with all known heart conditions, but in particular there are valuable chapters on stress and ambulatory electrocardiography, pacemakers, conduction defects, pre-arrest arrhythmias and cardiac resuscitation, following guidelines laid down by the British and European Resuscitation council.

It is primarily intended for postgraduate students and clinicians in practice, but students who intend to pursue further study in cardiology will also find it very useful.

Contents:

Section 1: Physiological Mechanisms Governing Electrocardiographic Deflections
Fundamentals of Electrocardiography * The Electrode and the Lead System * Actioni Potentials and Waveforms
* The Cardiac Vector and the Electric Axis * The Electrical Rotation of the Heart
Section 2: The Electrocardiogram
Normal Electrocardiogram * Normal Electrocardiographic Variants in Adults
Section 3: Chamber Hypertrophy or Enlargement
Atrial Hypertrophy/Enlargement * Ventricular Hypertrophy/Enlargement
Section 4: Conduction Defects
Intracardiac Conduction Defects * Sinus Node Dysfunction * Atrioventricular (AV) blocks * Bundle Branch Blocks * The Fascicular Blocks or Hemiblocks * the S1 SII SIII Syndrome
Section 5: Stress Electrocardiography
Section 6: Continuous Ambulatory Electrocardiographic Recording
Section 7: Coronary Artery Disease
Myocardial Ischaemia * Myocardial Infarction
Section 8: Congenital and Heredofamilial Disorders
Congenital Heart Disease * Heredofamilial Prolonged Q-T Syndromes * Accelerated Conduction or Pre-Excitation * Hypertrophic Cardiomyopathy
Section 9: Acquired Heart Disease
Rheumatic Heart Disease * Myocarditis and Cardiomyopathies * Pericarditis * Acute Pulmonary Thromboembolism (Acute Cor pulmonale) * Chronic Obstructive Pulmonary Disease (COPD) and Chronic Cor pulmonale * Systemic Hypertension
Section 10: The Disorders of Cardiac Rhythm
Basic Physiopathologic Considerations * Sinus Rhythm and its Manifestations * Abnormal Atrial Rhythm (Atrial Arrhythmias or Dysrhythmias) * Atrioventricular (AV) Nodal Disturbances * Paroxysmal Supraventricular Tachycardias * Ventricular Arrhythmias/Dysrhythmias * Reciprocal Rhythm and reciprocal Tachycardia * Atrioventricular Dissociation * Parasytole * Ventricular Aberrancy or Aberrant Intraventricular Conduction * Escape Rhythm * Ventricular Fusion Beats * Ventricular Capture Beats
Section 11: Artificial Pacemakers
Section 12: Miscellaneous Disorders
Heart in Endocrine Disorders and Injuries * Drugs, Poisons and the Heart * The Electrolytes and the Heart * Heart in Cerebrovascular and Neuromuscular Disorders
Section 13: Cardiac Resuscitation
Cardiac Arrest * Peri-arrest Arrhythmias
Section 14: Cardiac Transplantation
Appendices
Some Important Electrocardiographic Assertions * The Electrocardiographic Pearls (Key Points) * Cardiac Drugs-Oral and Intravenous * Normal 12-Lead Surface ECG and its Variations in Adults * Analysis of an Arrhythmia * Performa for ECG Reporting * The ABCs of Cardiopulmonary Resuscitation