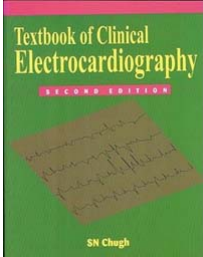


TEXTBOOK OF CLINICAL ELECTROCARDIOGRAPHY

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DESCRIPTION:

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 * Action 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 SI 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 Corpulmonale) * Chronic Obstructive Pulmonary Disease (COPD) and Chronic Corpulmonale * Systemic Hypertension
 Section 10: The Disorders of Cardiac Rhythm Basic Physiopathologic Considerations * Sinus Rhythm and its Manifestations * Abnormal Atrial Rhythm (Atrial Arrhythmias or Dysarrhythmias) * Atrioventricular (AV) Nodal Disturbances * Paroxysmal Supraventricular Tachycardias * Ventricular Arrhythmias/Dysarrhythmias * Reciprocal Rhythm and reciprocal Tachycardia * Atrioventricular Dissociation * Parasystole * 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