

Contents

Part 1 Investigative Electrocardiography in Epidemiological Studies and Clinical Trials

Chapter 1	
Cardiac Excitation and Repolarization	3
Chapter 2	
Electrocardiographic Lead Systems	18
Chapter 3	
Normal and Arrhythmogenic Ionic Channel Mechanism	29
Chapter 4A	
Heart Rate and Heart Rate Variability	45
Chapter 4B	
Methodological Considerations in Heart Rate Variability Analysis	68
Chapter 5	
Supraventricular Dysrhythmias	74
Chapter 6A	
Ectopic Ventricular Activity	100
Chapter 6B	
Record Length, Spontaneous Variability and Suppression of Ectopic Ventricular Complex Activity by Drugs	113
Chapter 7A	
Left Ventricular Hypertrophy	116
Chapter 7B	
Normal Standards for Cornell Voltage, Cornell Product and Sokolow–Lyon Voltage	150

Chapter 8	
Prolonged Ventricular Excitation	154
Chapter 9A	
Old Myocardial Infarction	166
Chapter 9B	
Attributable Risk	179
Chapter 10A	
Primary Repolarization Abnormalities	183
Chapter 10B	
Procedures for Determination of the Spatial QRS/T Angle from Conventional ECG Measurements	201
Chapter 11	
QT Prolongation and QT Dispersion – a Critical Evaluation	202
 Part 2 Normal ECG Standards for Adults by Gender, Age, and Ethnicity	
Section A	
ECG Intervals: Tables	231
Section B	
ECG Wave Amplitudes: Tables	236
Section C	
ECG Vector Components and Spatial Magnitudes at Normalized Time Scale: Tables	257
Section D	
ECG Amplitudes at 10 ms Intervals: Tables	265
Section E	
Repolarization Waveform Vectors: Tables	272
Index	275

Investigative Electrocardiography in Epidemiological
Studies and Clinical Trials

Rautaharju, P.; Rautaharju, F.

2007, X, 289 p., Hardcover

ISBN: 978-1-84628-465-6