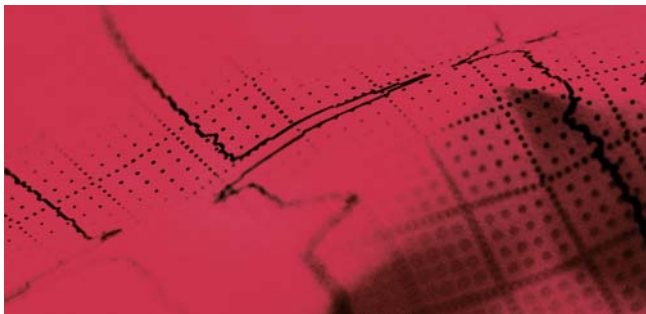


Mukherjee

ECG Cases

pocket



Börm
Bruckmeier
Publishing

Preface

A 12-lead ECG is a simple, inexpensive, non-invasive test that can provide a wealth of clinical information about the patient and is typically one of the first tests carried out on a medical patient in the hospital setting. It is imperative for residents, fellows, emergency room physicians, and hospitalists to be able to interpret major abnormalities in the ECG quickly and accurately. It is therefore essential that clinicians are familiar with common ECG morphologies or typical ECG patterns seen in a particular pathology or clinical condition.

The **ECG Cases pocket** provides examples of common clinical problems encountered in the wards, emergency room, or outpatient setting to enable the clinician to quickly and accurately recognize ECG morphologies that will guide further patient management. Subtle or unusual ECG findings are not presented, and are not the focus of this text.

Each ECG is preceded by a brief clinical history and pertinent physical examination findings, so that the tracings may be interpreted in the appropriate clinical context.

The convenient size of this book will enable medical students, interns, residents, and other trainees to carry it in their pockets, for use as a quick reference against which to compare ECG patterns they may encounter.

Finally, the major ECG diagnoses are identified by the **American Board of Internal Medicine (ABIM) code**, which should be very helpful for trainees preparing for the Internal Medicine, Family Medicine, and Cardiovascular Medicine Boards, or other certifying examinations.

I anticipate that this book will help clinicians to identify common ECG abnormalities encountered in practice, and will ultimately improve patient care.

Contents

Case 1	Atrial Fibrillation	13
Case 2	Limb Lead Reversal	17
Case 3	Atrial Flutter	21
Case 4	Atrial Premature Complexes	25
Case 5	Early Repolarisation	29
Case 6	Atrial Fibrillation	33
Case 7	Atrial Tachykardia	37
Case 8	Junctional Rhythm	41
Case 9	Pericarditis	45
Case 10	Left Bundle Branch Block, Complete	49
Case 11	Hypokalemia	53
Case 12	Hyperkalemia	57
Case 13	ST and/or T Wave Abnormalities Suggesting Myocardial Ischemia	61
Case 14	Ventricular Demand Pacemaker	65
Case 15	Junctional Rhythm	69
Case 16	First Degree Atrioventricular Block	73
Case 17	Hypothermia	77
Case 18	Hypokalemia	81
Case 19	Artifact	85
Case 20	Wolff-Parkinson-White Pattern	89
Case 21	AV Dissociation	93
Case 22	Paroxysmal Atrial Tachycardia With Variable Block	97
Case 23	Sinus Tachycardia	101
Case 24	Sinus Arrhythmia	105
Case 25	Dual Chamber Pacemaker	109
Case 26	Right Atrial Enlargement	113

Case 27	Atrial Tachycardia With Variable Block	117
Case 28	Normal ECG	121
Case 29	Ventricular Tachycardia	125
Case 30	ST and/or T Wave Abnormalities Suggesting Myocardial Injury	131
Case 31	Anterolateral Myocardial Infarction	135
Case 32	Inferior Myocardial Infarction	139
Case 33	Posterior Myocardial Infarction	143
Case 34	Third Degree Atrioventricular Block	147
Case 35	Left Ventricular Hypertrophy	151
Case 36	Right Atrial Enlargement	155
Case 37	ST and/or T Wave Abnormalities Suggesting Myocardial Ischemia	159
Case 38	Right Bundle Branch Block, Complete	163
Case 39	Hypocalcemia	167
Case 40	Hyperkalemia	171
Case 41	Atrial Flutter	175
Case 42	Ventricular Tachycardia	179
Case 43	Multifocal Atrial Tachycardia	185
Case 44	Junctional Bradycardia	189
Case 45	Third Degree Atrioventricular Block	193
Case 46	Second Degree Atrioventricular Block, Mobitz Type II	197
Case 47	Artifact	201
Case 48	SA Block, type I	205
Case 49	Atrial Tachycardia	209
Case 50	Accelerated Idioventricular Rhythm	213
Case 51	Multifocal Atrial Tachycardia	217
Case 52	Atrial Flutter	221
Case 53	Polymorphic Ventricular Tachycardia	225

Case 54	Inferior + Posterior Myocardial Infarction	229
Case 55	Atrial Fibrillation	233
Case 56	Inferior Myocardial Infarction + Atrioventricular Dissociation	237
Case 57	Wolff-Parkinson-White Pattern	241
Case 58	Paroxysmal Atrial Tachycardia With Block, Consistent With Digoxin Toxicity	249
Case 59	Right Ventricular Hypertrophy	253
Case 60	Hypocalcemia	257
Index		261