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Titolo	Starting to Read ECGs : A Comprehensive Guide to Theory and Practice // by Alan Davies, Alwyn Scott
Pubbl/distr/stampa	London : , : Springer London : , : Imprint : Springer, , 2015
ISBN	1-4471-4965-3
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (222 p.)
Disciplina	610 616.12 616028
Soggetti	Cardiology Medicine Critical care medicine Medicine/Public Health, general Intensive / Critical Care Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Chapter 1 Anatomy and physiology -- Advanced anatomy and physiology -- Cellular physiology (action potential of pacemaker/non-pacemaker cells) -- Wiggers diagram -- Revision of waveform -- Chapter 2 Revision of recording ECG and basic interpretation skills -- Advanced lead placement (posterior ECGs / right sided ECGs) -- Explanation of leads / electrical flow -- Review of normal values and paper timings -- Different methods of rate calculation -- Chapter 3 Calculating cardiac axis -- What it is -- Why it's useful -- The quick look method -- The Hexaxial method -- Making it more accurate -- The vector method -- Worked examples -- Chapter 4 Brady-arrhythmias -- Background -- Genetic factors -- treatment options -- Chapter 5 Tachy-arrhythmias -- Background -- Genetic factors -- treatment options -- Chapter 6 conditions -- Conduction blocks -- PE, electrolyte -- Brugada (type I - III) -- Cardiomyopathy -- Hypertrophy -- Chapter 7 Implantable devices and the ECG -- PPM -- AICDs -- Various implanted monitors (i.e. Reveal) -- Considerations -- ECG appearance -- Chapter 8 Drugs and the ECG -- Tricyclics -- Long QT

causing drugs -- Arrhythmogenic drugs -- Cardiac specific drugs -- Chapter 9 Paediatric ECGs -- Normal paediatric ECG -- Childhood cardiac abnormalities appearance on the ECG (i.e. congenital issues like holes in hearts, accessory pathways etc) -- Chapter 10 ACS and re-perfusion arrhythmias -- Bloods (enzymes) -- physiology and pathology of arteriosclerosis -- Treatment options -- MI's -- Posterior MIs -- Vasospasm -- Ideoventricular rhythms -- Treatment options (PPCI, CABG, thrombolytic therapy). .

Sommario/riassunto

This book follows Starting to Read ECGs: The Basics by the same authorship and provides the beginner in electrocardiogram (ECG) interpretation with a concise, practical and systematic guide to interpreting ECGs. The authors have included an introduction to the pediatric ECG and genetic cardiac conditions in attempt to deepen readers awareness of some of the broader clinical issues. Starting to Read ECGs: A Comprehensive Guide to Theory and Practice expands on some of the topics introduced in the first book, but offers a deeper perspective with more detailed background information and a variety of practical interpretation methods. It can be read as a standalone book for those who already possess some basic ECG knowledge or for those who have read the first book in the series and wish to consolidate and expand on what they have already read. The book uses numerous diagrams, tables and practical examples to reinforce learning and summarize information succinctly, and will be an essential resource for medical students, junior doctors, and other health care professionals involved in the recording and interpretation of ECGs who wish to build their knowledge and confidence.
