

1. Record Nr.	UNINA9910463306503321
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Titolo	12-lead EKG confidence : a step-by-step guide / / Jacqueline M. Green, Anthony J. Chiaramida
Pubbl/distr/stampa	New York, New York : , : Springer Publishing Company, , 2015 ©2015
ISBN	0-8261-1905-0
Edizione	[Third edition.]
Descrizione fisica	1 online resource (504 p.)
Disciplina	616.1/207547
Soggetti	Electrocardiography - Data processing Electrocardiography Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Title; Copyright; Contents; Preface; Acknowledgments; Need and Use; 12 Critical Concepts; Share 12-Lead EKG Confidence: A Step-by-Step Guide, Third Edition; Section I: Overview of Heart Function and the EKG; Chapter 1: Anatomy Review of the Human Heart; Anatomy of the Heart: Overview; The Pericardium; Layers of the Heart; Heart Chambers; The Circulation; The Heart Valves; The Coronary Circulation; The Right Coronary Artery; The Left Coronary Artery; The Left Anterior Descending Artery; The Circumflex Artery; Coronary Arteries as End Arteries Chapter 2: Physiology Review of the Heart's Conduction System The 12 EKG Leads; EKG Paper and Time Lines; The Baseline; How to Measure Waves on the EKG; Standardization; Chapter 3: Basics of the 12-Lead EKG; The Heart's Electrical System; Creation of the Rhythm: The Sinus Node; Identifying the P Wave on the EKG; Communication With the Ventricles: The Atrioventricular Node and the Bundle Branches; Depolarization of the Ventricles: The QRS Complex; Repolarization of the Ventricles: The T Wave; Section II: Methodology: Measurements and Their Clinical Significance; Chapter 4: Heart Rate The Heart Rate: A Mandatory Part of an EKG Interpretation Measurement of the Heart Rate; The Sinus Rhythms; The Sinus Node: Master and Servant; Sinus Tachycardia: Pathophysiology (Critical

Concept!); Sinus Bradycardia: Pathophysiology; The Heart Rate Reference Table; Clinical Significance of Heart Rates: Summary to Memorize!; Worksheets; Chapter 5: The PR, QRS, and QT Intervals; The PR, QRS, and QT Intervals; Location of PR, QRS, and QT Measurements; The Sequence of Events; The PR Interval: An Intentional Delay; How to Measure the PR Interval; Long PR Intervals: 1° Atrioventricular Block Short PR Interval: WPW Syndrome The QRS Interval; Long QRS Intervals: Intraventricular Conduction Delay and Bundle Branch Block; The QT Interval; The QTc: QT Interval Corrected for Heart Rate; Short QTc Syndrome (SQTS); The Long QTc Interval; The Indeterminate QT Interval; Worksheets; Chapter 6: Axis-The Science of Direction; Beginning Simply: If Only We Could See Electricity; The 12 Separate EKG Leads Equal One Arrow Visually; Begin to Visualize: Draw the Direction Diagram (Memorize!); Add Degrees to the Frontal Plane Direction Diagram; Diagram Leads as One-Dimensional Sensors or Observers The Frontal Plane Leads: Visualizing Right From Left-Lead I The Frontal Plane Leads: Visualizing Up and Down-Lead AVF; The View From the Top: The Horizontal Plane; Draw the Horizontal Plane Diagram; Horizontal Plane Diagram: Labeling the Degree Increments; The P Wave Direction: Normally Inferiorly and to the Left; The P Wave Direction: Step by Step to Diagnosis; Worksheets; SECTION II: Review Worksheets; Section III: Common Clinical Arrhythmias; Chapter 7: Atrial Arrhythmias; Sinus Rhythm; Sinus Tachycardia; Sinus Arrhythmia; Sinus Bradycardia; Atrial Tachycardia; Atrial Flutter Premature Atrial Contraction

Sommario/riassunto

Praise for the Second Edition: "This is an excellent workbook for students or healthcare professionals who are just beginning to interpret 12-lead EKGs. The book covers what is expected, but the manner in which it presents the material brings much clarity to the topic." -- Doody's Medical Reviews. This handy, step-by-step guide for medical and nursing students and novice practitioners delivers ample information for confidently interpreting 12-lead EKGs. It goes beyond the many EKG books that rely on rote memorization by actively engaging students in the learning process. The guide fosters
