

FIGURE 1.1 The square wave at the beginning is a 1-mV calibration marker. At full standard, 10 mm of paper = 1 mV of current. The ECG paper runs at 25 mm/sec. Thus, each millimeter = 0.04 second, and each large square (5 mm) = 0.2 second. The time between two positive deflections, or R waves, is the RR interval. If that is 1 second, the heart rate is 60 beats/min. This patient's heart rate is 100 beats/min (60 seconds per minute + 0.6 second per beat).

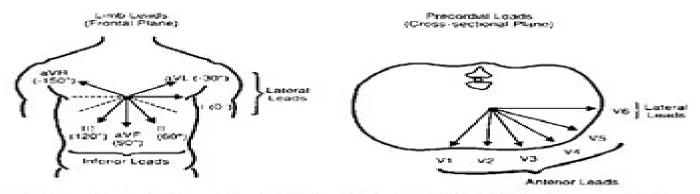


FIGURE 1.2 Spatial orientation of the 12 ECG leads. Each of the ECG leads functions as a voltmeter and has spatial orientation (as voltage is a vector force). Leads that have an inferior orientation are best at detecting changes from the inferior surface of the heart. Anterior precordial leads are most sensitive in detecting anterior wall changes, and the lateral leads, lateral wall abnormalities.

150 Practice Ecgs

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150 Practice ECGs George J. Taylor, 2005-12-09 The third edition of 150 Practice ECGs Interpretation and Review combines practice tracings with clinical cardiology providing students with the practical knowledge necessary to read interpret and understand ECGs This essential review book is organized into three sections introductory text reviewing ECG diagnostic criteria pathophysiology and clinical correlation 150 ECG tracings with a brief clinical history and interpretation and teaching points for each of the 150 ECGs 150 Practice ECGs Interpretation and Review 3rd Edition is ideal as an introductory text for medical and nursing students at any stage of training for residents and fellows as a refresher before board exams and for the sophisticated student teacher as a comprehensive teaching file The ECG In Practice John Hampton, 2013-09-17 A significant resource of information for medical students and junior medical staff as well as for those wishing to refresh their knowledge By Perfusion Apr 2015 Clinically orientated with a guick reference list of cardiovascular conditions Builds on the basic knowledge outlined in the classic ECG Made Easy Emphasises the individuality of every ECG and uses full 12 lead ECG recordings to provide a realistic reproduction of the clinical environment. The unique page size allows presentation of all 12 lead ECGs across a single page for clarity Each chapter begins with a brief account of the relevant history and examination and ends with a short account of what might be done once the ECG has been interpreted Now integrated throughout the book is text on electrophysiology and electrical devices With pacemakers and implanted defibrillators now common among patients on general medical take this material guides the reader in recognising their purpose and making a preliminary analysis of any malfunction Blueprints Emergency Medicine Jessica Radin Peters, Daniel Egan (MD.), 2006 The Second Edition of Blueprints Emergency Medicine covers the essentials of emergency medicine that students need to know during their rotation and while preparing for the USMLE The thoroughly updated and reorganized Second Edition features coverage of the most common conditions encountered on the wards Completely reorganized to cover the most common acute conditions first followed by a systems based approach to emergency medicine Expanded coverage of trauma bioterrorism and pediatric emergencies Greatly increased number of figures tables and algorithms 75 board format Q As with answer explanations Now includes evidence based references Totally revised thoroughly updated and trusted by students the Blueprints series keeps getting better ECGs Made Easy Barbara Aehlert, 2002 First Aid for the Wards, Fifth Edition Tao Le, Vikas Bhushan, James Yeh, 2012-11-30 THE ULTIMATE PRIMER FOR THE CORE CLERKSHIPS NOW IN FULL COLOR Everything you need to know to score strong clerkship evaluations Preparation for every core rotation medicine surgery pediatrics obstetrics and gynecology neurology psychiatry and emergency medicine Answers to commonly asked pimp questions Hundreds of full color illustrations clarify essential concepts and improve retention Advice on presenting cases to attendings How to guides for common procedures High yield facts on the diagnosis and treatment of common diseases Sample patient notes clipboard and note card patient templates

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