

Objective - Student will learn about the fundamentals of electrocardiography and Electrography lead system

UNIT - 1 Fundamental principles of electrocardiography: Cardiac electrical field Generation during activation Cardiac wave fronts, Cardiac electrical field Generation during ventricular recovery.

UNIT -2 Electrocardiographic lead systems: Standard limb leads, Precordial leads and the Wisdom central termina, Augmented limb leads. The hexaxial reference frame and electrical axis Recording adult and pediatric ECGs

UNIT -3 The normal electrocardiogram, Atrial activation, The normal P wave, Atrial repolarization, Atrio ventricular node conduction and the PR segment Ventricular activation the QRS complex Ventricular recovery and ST-T wave, U wave Normal variants, Rate and rhythm

Recommended Books:

- Feigenbaum's Echocardiography- Latest edition
- The Echo Manual- From the Mayo clinic- Latest edition
- Leo Schamroth- An Introduction to Electrocardiography
- Marriott's practical Electrocardiography
- Gross man & Baims cardiac catheterization, Angiography and Intervention
- Braunwald's Heart Disease: A text book of cardiovascular medicine- Latest edition