

Objective - Student will learn about the advance electrocardiography and also learn about heart block

UNIT - 1 The abnormal electrocardiogram, Left atrial abnormality, Right atrial abnormality, Left ventricular hypertrophy and enlargement, Right ventricular hypertrophy and enlargement, Intraventricular conduction delays, Left anterior fascicular block, Left posterior fascicular block, Left bundle branch block, Right bundle branch block, Myocardial ischemia and infarction,

UNIT - 2 Repolarization (ST-Wave) abnormalities, QRS changes, Evolution of electrocardiographic changes, Localization of ischemia or infarction, Noninfarction Q waves, Primary and secondary T wave change, Electrolyte and metabolic ECG abnormalities, Cardiac arrhythmias, Ventricular premature beats.

UNIT – 3 Supra-ventricular, tachycardia's, Atrial flutter/fibrillation, Ventricular Tachycardia/Ventricular fibrillation, Atrio Ventricular block, Prolonged PR interval, Mobitz

UNIT - 4 type 1 and 2 block, Complete heart block, Direct Current (DC) shock, Defibrillator, Monophasic and biphasic shock, Technique of cardioversion, Indications for cardioversion.

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