

ELECTROCARDIOGRAPH (EKG or ECG)



PURPOSE

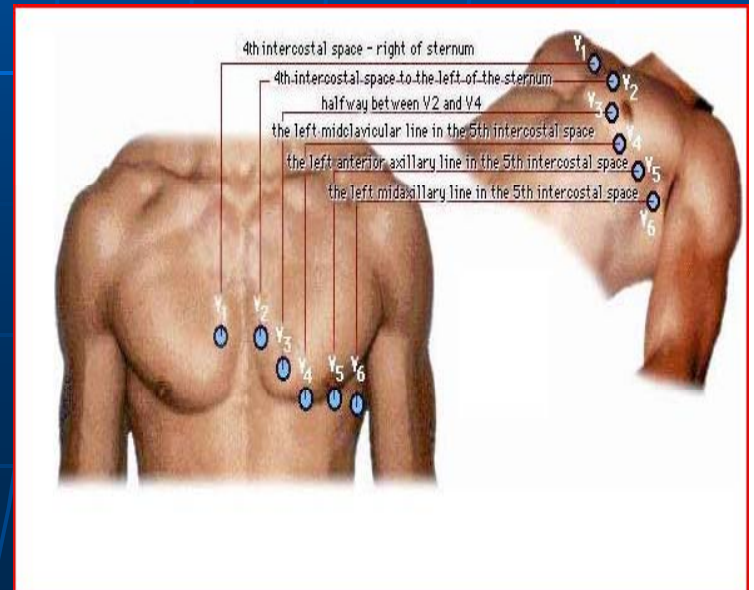
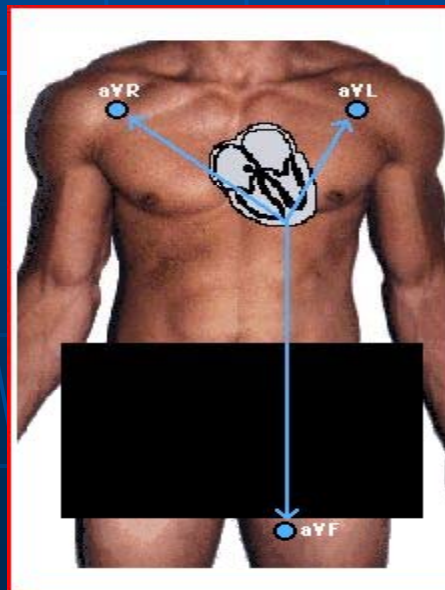
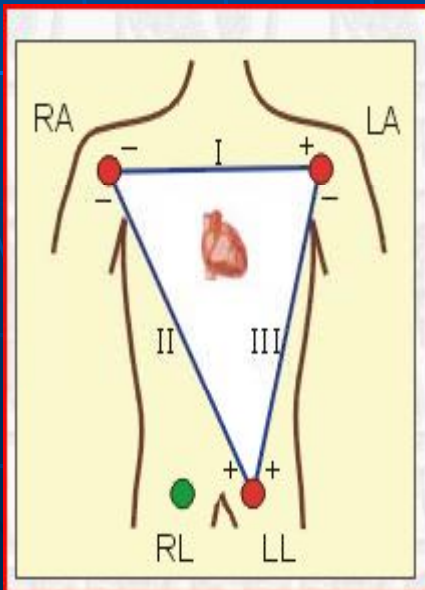
- EKG or ECG is used to record electrochemical events associated with a heartbeat and provide information about the anatomy and physiology of an individuals' heart.

EKG can be used to identify

- Arrhythmias
- Myocardial ischemia and infarction
- Pericarditis
- Chamber hypertrophy
- Electrolyte disturbances
- Drug toxicity

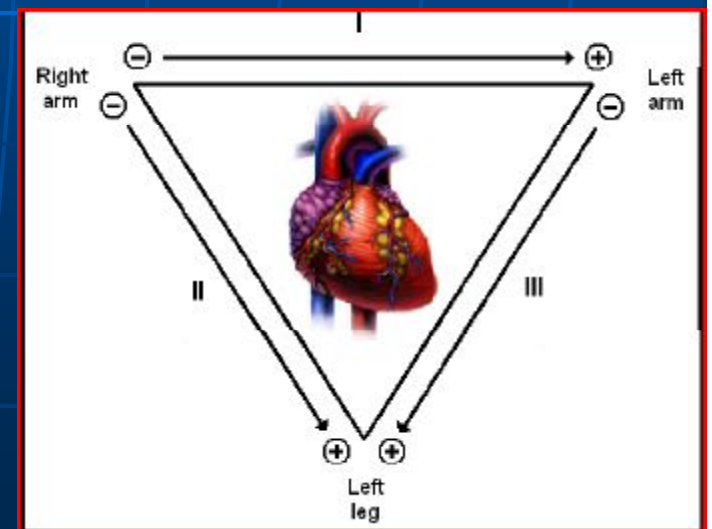
Standard EKG Leads (Electrodes)

- 3 Standard Limb Leads
- 3 Augmented Limb Leads
- 6 Precordial Leads



Location of Standard Limb Leads

- Lead I- Activity across the base of heart
 - Left & right Arm
- Lead II-Activity from apex to base
 - Right arm & left leg
- Lead III-Activity along left side of heart
 - Left arm & left leg



To Avoid Interference with Reading

- Remove watches, jewelry, cellphones
- Lie down and relax
- Wipe skin with alcohol

QUESTIONS

- T/F An electrocardiograph has 12 leads.
- T/F An electrocardiograph can identify a chamber hypertrophy.