

## ECG

**OBJECTIVE:** To perform a proper Electrocardiogram.

**MATERIALS:** Well illuminated examination room, couch, clean gloves, Complete ECG set & Machine.

*D: Appropriately done PD: Partially done ND: Not done/Incorrectly done*

STEP/TASK	D	PD	ND
<b>Preparation</b>			
1. Introduce yourself to the patient, Explain the examination and ask for his consent.			
2. Position him so that he is lying on a couch and ensure that he is comfortable, Ask him to expose his upper body and ankles.			
<b>The procedure</b>			
3. Attach the electrode pads as per the leads.			
4. Place the Limb leads such that: Attach the limb leads. One on each limb. The longest leads attach to the leg above the ankles. And the mid-length leads attach to the upper arms.			
5. Place the chest leads (the shortest leads) such that: V1 is in the fourth inter-costal space at the right sternal margin.			
6. V2 is in the fourth inter-costal space at the left sternal margin.			
7. V3 is midway between V1 and V4.			
8. V4 is in the fifth inter-costal space in the left mid clavicular line.			
9. V5 is at the same horizontal level as V4. But in the anterior axillary line.			
10. V6 is at the same horizontal level as V4 and V5. But in the mid-axillary line.			
11. Turn the ECG machine on and check calibration (1 mV = 1 cm in height) and paper speed (25 mm/s).			
12. Ensure that patient is relaxed and comfortable and press on "Analyse ECG" or a similar button.			
<b>After recording the ECG</b>			
13. Analyse the ECG for any life-threatening abnormalities.			
14. Remove the leads, Discard the electrode pads, Ensure that the patient is comfortable.			
<b>After the procedure</b>			
15. Thank the patient. Cover the patient up, Ensure that he is comfortable			
16. Summarize your findings and offer a differential diagnosis.			

