

**HAWLER MEDICAL UNIVERSITY
COLLEGE OF NURSING
LABORATORY AND CLINICAL EDUCATION**

Procedure Evaluation Document (PED)

| PROCEDURE: | | Code | 19-02 |
|--|--|---------------------|-----------------|
| ECG – Performing diagnostic ECG | | | |
| No. | Skill steps | Not achieved | Achieved |
| 1 | Prepared procedure equipment: <ul style="list-style-type: none"> <input type="checkbox"/> Patient medical record <input type="checkbox"/> ECG machine <input type="checkbox"/> Scissors for clipping excess hair <input type="checkbox"/> Gauze to clean the excess hair <input type="checkbox"/> Hand rub gel <input type="checkbox"/> Plastic tray | | |
| 2 | Checked patient's medical record for medical order for ECG. | | |
| 3 | Performed hand hygiene using correct technique. | | |
| 4 | Identified patient using two identifiers. | | |
| 5 | Performed greeting, introduction and permission procedure (G.I.P). | | |
| 6 | Provided privacy. | | |
| 7 | Explained the procedure to the patient and answered any questions. | | |
| 8 | Place the ECG machine close to the patient's bed, and plug the power cord into the wall outlet. | | |
| 9 | If the bed is adjustable, raise it to a comfortable working height, usually elbow height (if not adjustable, verbal report). | | |
| 10 | Asked the patient to lie in supine position in the centre of the bed with the arms at the sides. If the bed was too narrow, placed the patient's hands under the buttocks to prevent muscle tension. Also used this technique if the patient was shivering or trembling. | | |
| 11 | Exposed the patient's arms and legs, and draped appropriately. | | |
| 12 | Encouraged the patient to relax the arms and legs. | | |
| 13 | Ensured the feet did not touch the bed's footboard. | | |
| 14 | Selected flat, fleshy areas on which to place the electrodes, avoiding muscular and bony areas. | | |
| 15 | If an area was excessively hairy, clipped the hair (if not, verbal report). | | |
| 16 | Applied the limb lead electrodes. The tip of each lead wire is lettered and colour-coded for easy identification. The white or RA lead goes to the right arm; the green or RL lead to the right leg; the red or LL lead to the left leg; the black or LA lead to the left arm. | | |
| 17 | Exposed the patient's chest. | | |
| 18 | Applied the precordial lead electrodes as follows: <ul style="list-style-type: none"> • V1: Fourth intercostal space at right sternal border • V2: Fourth intercostal space at left sternal border • V3: Halfway between V2 and V4 • V4: Fifth intercostal space at the left mid-clavicular line • V5: Fifth intercostal space at anterior axillary line (halfway between V4 and V6) • V6: Fifth intercostal space at mid-axillary line, level with V4 | | |
| 19 | After the application of all the leads, made sure the paper speed selector is set to the standard 25 m/second and that the machine is set to full voltage (verbal report). | | |
| 20 | If necessary, enter the appropriate patient identification data into the machine (if not possible verbal report). | | |
| 21 | Asked the patient to relax and breathe normally. | | |
| 22 | Instructed the patient to lie still and not to talk while recording the ECG. | | |
| 23 | Pressed the AUTO button observing the tracing quality. | | |
| 24 | When the machine finished recording the 12-lead ECG, removed the electrodes and cleaned the patient's skin, if necessary. | | |

| | | | | | | | | | | | | | |
|--|--|--------------------------|-------------------|--------------------------------|--------------------|-----------------------|---------------------------|-------------------------|-----------|-------|-------|-----------------------|--|
| 25 | Returned the patient to a comfortable position. | | | | | | | | | | | | |
| 26 | Lowered the bed height and adjusted the head of bed to a comfortable position. | | | | | | | | | | | | |
| 27 | If not done electronically from data entered into the machine, labelled the ECG with the patient's name, date of birth, location, date and time of recording | | | | | | | | | | | | |
| 28 | Performed hand hygiene using correct technique. | | | | | | | | | | | | |
| 29 | Documented the procedure in the patient's notes. | | | | | | | | | | | | |
| 30 | Informed the appropriate staff that the procedure has been completed and provided ECG recording. | | | | | | | | | | | | |
| 1. SKILL EVALUATION 60% | | | | | | | | | | | | | |
| Steps | 0 | 1-3 | 4-6 | 7-9 | 10-13 | 14-15 | 16-19 | 20-22 | 23-25 | 26-28 | 29-30 | Skill steps achieved | |
| Points | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | Skill points achieved | |
| Level | F | | | | | | U | N | S | C | I | Skill level achieved | |
| 2. PROCEDURE ASPECTS EVALUATION 40% | | | | | | | | | | | | | |
| Rationale 10% | | Patient Focus 10% | | Professional Manner 10% | | Time 10% | | | | | | | |
| Failed | 5 | Failed | 5 | Failed | 5 | Failed | +10 | 5 | | | | | |
| Unsatisfactory | 6 | Unsatisfactory | 6 | Unsatisfactory | 6 | Unsatisfactory | +8 | 6 | | | | | |
| Novice | 7 | Novice | 7 | Novice | 7 | Novice | +6 | 7 | | | | | |
| Supervised | 8 | Supervised | 8 | Supervised | 8 | Supervised | +4 | 8 | | | | | |
| Competent | 9 | Competent | 9 | Competent | 9 | Competent | +2 | 9 | | | | | |
| Independent | 10 | Independent | 10 | Independent | 10 | Independent | TA | 10 | | | | | |
| Notes: | | | | | | | | Time allowed (TA) | 20 | | | | |
| | | | | | | | | Time achieved | | | | | |
| | | | | | | | | Aspects points achieved | | | | | |
| 3. COMPLETE PROCEDURE EVALUATION 100% | | | | | | | | | | | | | |
| ≤50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | Total points achieved | | | | | | | |
| Failed | Unsatisfactory | Novice | Supervised | Competent | Independent | Total level achieved | | | | | | | |
| Student | | | Signature | | | | Actual Mark/Out of | | | | | | |
| Teacher | | | Signature | | | | | | | | | | |
| Clinical Area | | | Date | | | | | | | | | | |