

Procedure/Skill Evaluation

Student: \_\_\_\_\_ Level:  EMT-CC  EMT-P Date: \_\_\_\_\_  
Time

Evaluator: \_\_\_\_\_ Start: \_\_\_\_\_ End: \_\_\_\_\_ Total: \_\_\_\_\_ Pass/Fail \_\_\_\_\_

**ECG Acquisition**

<b>Conditions</b>	The candidate should perform this skill on a simulated patient under existing indoor, ambulance, or outdoor lighting, temperature, and weather conditions.
<b>Indications</b>	Any patient exhibiting chest pain of probable cardiac origin, or other symptoms of a possible myocardial infarction.
<b>Red Flags</b>	Avoid attaching electrodes to skin that is burned, injured, or otherwise not intact. Do not delay the management of life-threats for acquisition of an ECG.

Don appropriate standard precautions		
<b>Prepare Equipment</b>		
Select site		
At least 10 cm from the heart for adults		
Attach monitor cables to self-adhesive leads		
<b>Prepare patient</b>		
If possible, explain procedure to patient		
Expose chest		
Ensure skin is not broken or bleeding		
Shave hair from site if particularly thick		
Cleanse area with alcohol prep pad if dirty		
Allow alcohol to dry before placing leads		
<b>Perform procedure</b>		
Turn monitor on		
<b>Limb Lead Monitoring</b>		<b>12 Lead Monitoring</b>
Attach limb leads to appropriate limbs (May be 3 or 4 leads)		Attach the 4 limb leads to appropriate leads
For MCL <sub>1</sub> Attach LL lead to 4 <sup>th</sup> intercostal space, just right of sternum)		Attach precordial (chest) leads V <sub>1</sub> – 4 <sup>th</sup> intercostal space, right of the sternum V <sub>2</sub> – 4 <sup>th</sup> intercostal space, left of the sternum V <sub>4</sub> – 5 <sup>th</sup> intercostal space, midclavicular line V <sub>3</sub> – on a line midway between V <sub>2</sub> and V <sub>4</sub> V <sub>5</sub> – anterior axillary line on same horizontal level as V <sub>4</sub> V <sub>6</sub> – midaxillary line at same level as V <sub>4</sub> and V <sub>5</sub>
Assess baseline rhythm		
Print tape as necessary		
		Connect cable for precordial leads to monitor, if necessary
		Ask patient to remain still and “breathe normally”
		Acquire ECG reading
If artifact or “noisy data”		

View each individual lead on monitor to find “noisy” one	
Reposition lead, replace if necessary	

**Critical Criteria:**

- \_\_\_ Use appropriate standard precautions
- \_\_\_ Accurately place leads on patient
- \_\_\_ Ensure skin is clean and clear prior to lead placement