

An electrocardiogram (ECG) records the electrical signal from the heart to check for different heart conditions. Sending a detailed ECG report is one of the many functions provided by the AFHCAN Cart software.

### Using the Midmark Digital ECG device:

1. Select patient in the AFHCAN software, then position patient and apply leads securely per your policy.



2. Turn on the ECG.

3. Select "ECG" button from the "Add to Case" screen.



4. Select "Start ECG" button.



5. Perform the tests you need (e.g. select the analyze button to run an ECG). See back page for buttons and functions.

6. Press the "Exit" button when ready and you will be directed to the next screen



7. View the reports by clicking on the ECG icons on left

8. Click the "Details" button for a more detailed report view.

Thumbnails

- ECG 11:01:33 [Save ???]
- ECG 11:03:06 RR Report [Save ???]

Patient Position: Patient should be placed comfortably in a supine position. Patient should be noted on the ECG report.

Skin Prep: Abrade the skin at the electrode site with an alcohol prep pad. Male patients with very hairy chests should be shaved.

Limb Lead Placement:
 

- RA - Right Arm electrode is placed on a distal portion of the right forearm.
- LA - Left Arm electrode is placed on a distal portion of the left forearm.
- RL - Right Leg electrode is placed on a distal portion of the right leg.
- LL - Left Leg electrode is placed on a distal portion of the left leg.

Clinic Name: \_\_\_\_\_

Patient Name: May Bewell  
Patient ID: 000-00-0001  
Report Type: ECG Report  
Report Date: 10/28/05 16:11:03

Technician: Sherwood, Duane  
Reviewed By: \_\_\_\_\_  
Review Date: \_\_\_\_\_

Sinus Rhythm - Short PR syndrome  
P-QRS - 1:1, Normal P axis, H Rate 75  
PQI = 108  
-Incomplete right bundle branch block  
- Negative T-waves - May be normal for this age.

Rate: 75 BPM  
PR: 108 msec  
QT: 336 msec  
QTc: 304 msec  
QRSd: 100 msec  
P Axis: 66  
QRS Axis: 67  
T Axis: 69

ABNORMAL

File Print Settings Help Exit

Click in this section to zoom

9. All reports will auto-generate a green check mark. Click on a green check mark to de-select any ECG reports you do not wish to keep before selecting the "Save" button.

Thumbnails

- ECG 16:30:06 [Save]
- ECG 16:31:49 [Save]

Patient Position: Patient should be noted on the ECG report.

Skin Prep: Abrade the skin at the electrode site to dry.

Limb Lead Placement:
 

- RA - Right Arm electrode is placed on a distal portion of the right forearm.
- LA - Left Arm electrode is placed on a distal portion of the left forearm.
- RL - Right Leg electrode is placed on a distal portion of the right leg.
- LL - Left Leg electrode is placed on a distal portion of the left leg.

10. Select the save button to add the selected reports to the case

any variation should be noted.

gauze. Allow skin to dry at the electrode site.

right lateral side of the chest.

left lateral side of the chest.

leg above the ankle.

leg above the ankle.

RA LA  
RL LL

Start ECG  
Save  
Back

**Components of the ECG screen on the AFHCAN cart.**

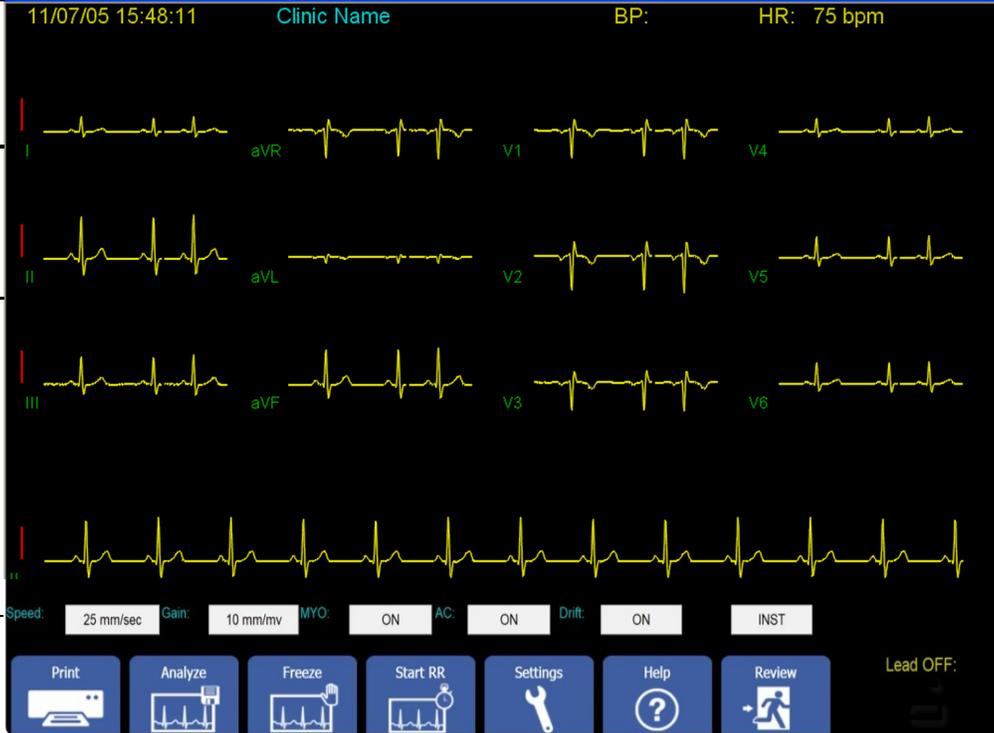
**NOTE:** Wait for a full screen of data (about 10 seconds) prior to choosing **Analyze** or **Freeze** to get complete data recording.

**Print:** prints currently selected report

**\*Analyze:** select this to record an ECG

**\*Freeze:** will stop the currently visible information—You must choose “unfreeze” prior to selecting **Analyze** to get the correct screen recording

**Start RR:** collects 90 seconds of data



**Settings:** adjust display settings to increase/decrease gain and enable waveform smoothing if desired

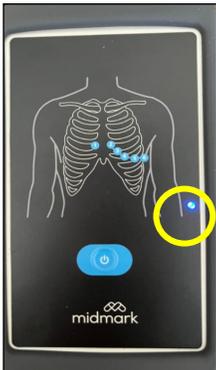
**Help:** Midmark help, NOT AFHCAN software help

**Review:** will bring you to the next screen where you may save to case

**Lead OFF:** shows which lead is off. If blank, all leads are connected.

**Troubleshooting the ECG**

**1. ECG not working? Check the power supply:**



- Check that the blue power light is blinking.
- Verify USB port is secure.

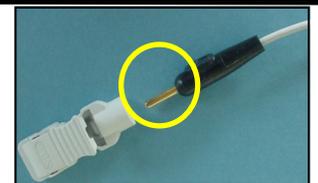


**2. Check leads—the monitor will indicate if one is loose**



- A.** Are all connections to the patient secure? Follow your protocols if skin is not dry enough or there is too much hair.
- B.** Is the electrode jelly wet enough? Is the electrode adhesive sticky?
- C.** Are all the leads hooked together and to the electrodes securely?

**4.** May try gently wiping lead ends with dry gauze and friction in case of possible corrosion.



**3. Check for a secure connection between leads and box.**



**5.** If the error message below appears, open the ECG settings and uncheck “Waveform Smoothing”.

