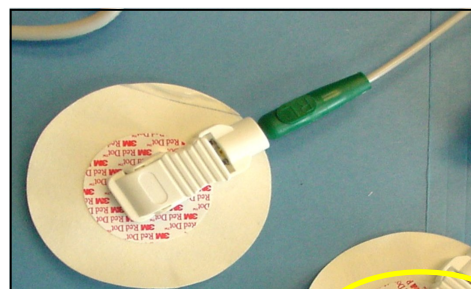
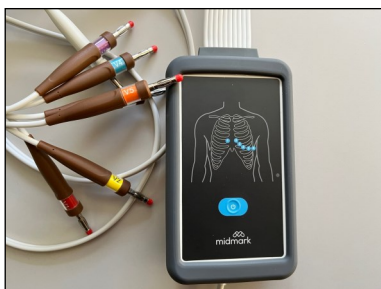


An electrocardiogram (ECG) records the electrical signal from the heart to check for different heart conditions. Sending a detailed ECG report is one of the many functions provided by the AFHCAN Cart software.

## Using the Midmark Digital ECG device:

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

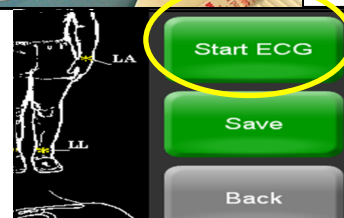


2. Turn on the ECG.

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

Thumbnails

ECG 11:01:33

Save ???

ECG 11:03:06 RR Report

Save ???

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

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

Limb Lead Placement:
 

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

Clinic Name: May Bewell

Patient Name: May Bewell

Patient ID: 000-00-0001

Report Type: ECG Report

Report Date: 10/28/05 16:11:03

Technician: Sherwood, Duane

BP:

Reviewed By:

Review Date:

Gain 1X

Details

Settings

Add

Delete

Modify

Clear/Add

Sinus Rhythm - Short PR syndrome

P-QRS - 1:1, Normal P axis, H Rate 75

POI = 108

-Incomplete right bundle branch block

-Negative T-waves - May be normal for this age

ABNORMAL

Rate: 75 BPM

PR: 108 msec

QT: 336 msec

QTc: 364 msec

QRSd: 100 msec

P Axis: 66

QRS Axis: 67

T Axis: 69

Click in this section to zoom

File

Print

Settings

Help

Exit

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 placed comfortably in a supine position to be noted on the ECG report.

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

Limb Lead Placement:
 

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

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

any variation should

gauze. Allow skin to dry at the electrode

right lateral side of

lateral side of the

leg above the ankle.

above the ankle.

RA

LA

RL

LL

Start ECG

Save

Back

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

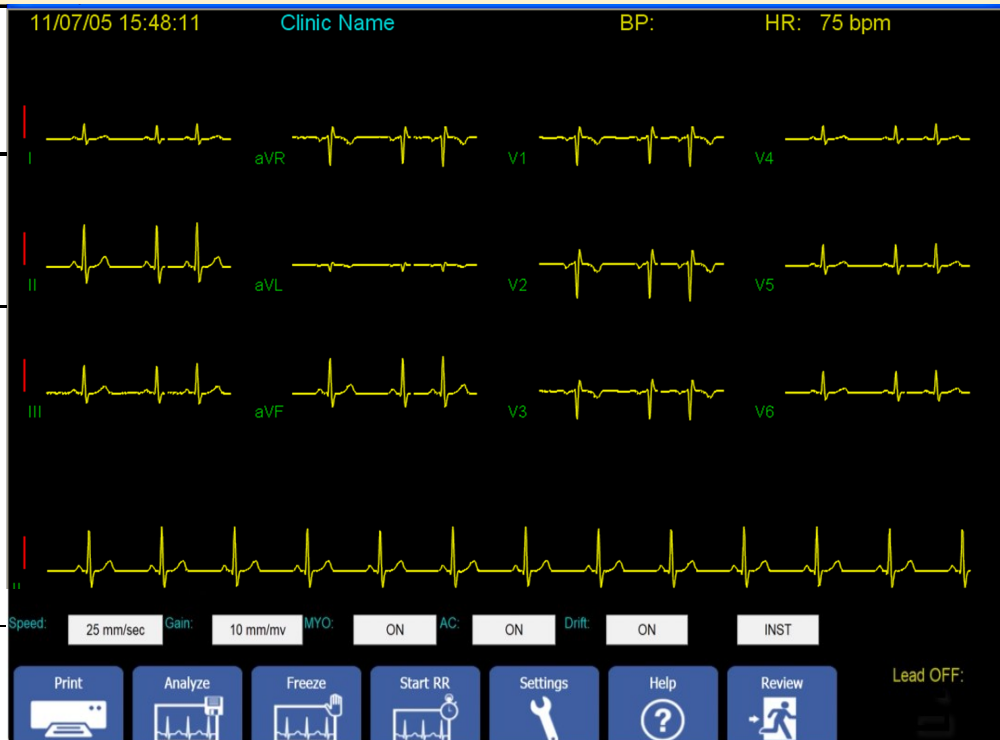
**NOTE:** Wait for a full screen of data (about 10 seconds) prior to choosing **Analyze** or **Freeze** to get complete data recording.

**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

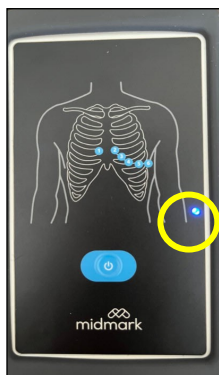
**Help:** Midmark help, NOT AFHCAN software help

**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

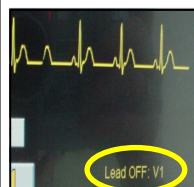
### 1. ECG not working? Check the power supply:



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

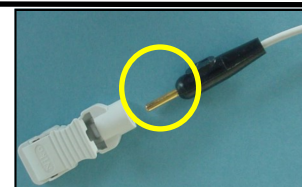


### 2. Check leads—the monitor will indicate if one is loose



- Are all connections to the patient secure? Follow your protocols if skin is not dry enough or there is too much hair.
- Is the electrode jelly wet enough? Is the electrode adhesive sticky?
- 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”.

