GE Healthcare

CS

Resting ECG
Quick Reference Guide

Clinical Systems
Clinical Education Development

Notice

The materials contained in this document are intended for educational purposes only. This document does not establish specifications, operating procedures or maintenance methods for any of the products referenced. Always refer to the official written materials (labeling) provided with the product for specifications, operating procedures and maintenance requirements.
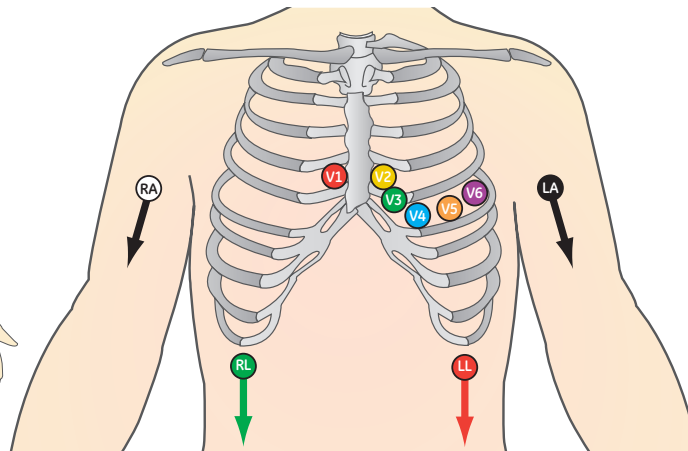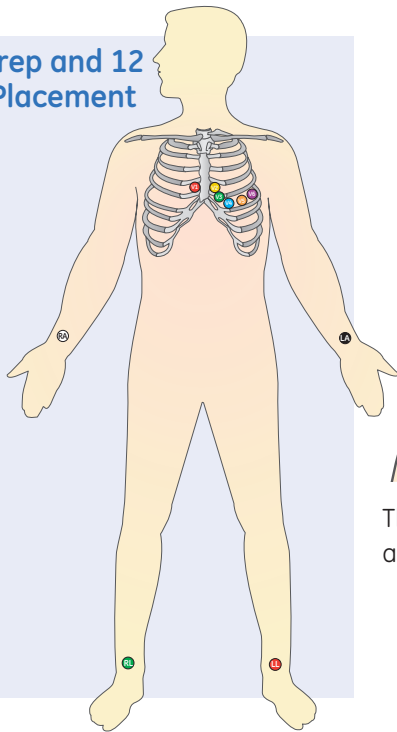
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Contents

Skin Prep and 12 Lead Placement

The quality of your ECG tracing is a direct result of skin prep and lead placement.

1. Shave hair from application site.
2. Gently rub area to remove dead skin cells.
3. Cleanse site with alcohol solution.
4. Dry skin completely.

Lead	Electrode Placement
V1	Fourth intercostal space next to the sternum on the right side.
V2	Fourth intercostal space next to the sternum on the left side.
V3	Midway between locations V2 and V4.
V4	At the mid-clavicular line in the fifth intercostal space.
V5	At the anterior axillary line on the same horizontal level as V4.
V6	At the mid-axillary line on the same horizontal level as V4 and V5.
RA and LA	Place on the corresponding right and left wrist. An alternate placement to reduce muscle artifact is midway between the elbow and the shoulder.
RL and LL	Place on the corresponding right and left ankle. An alternate placement to reduce muscle artifact is on the upper leg as closed to the torso as possible.

1
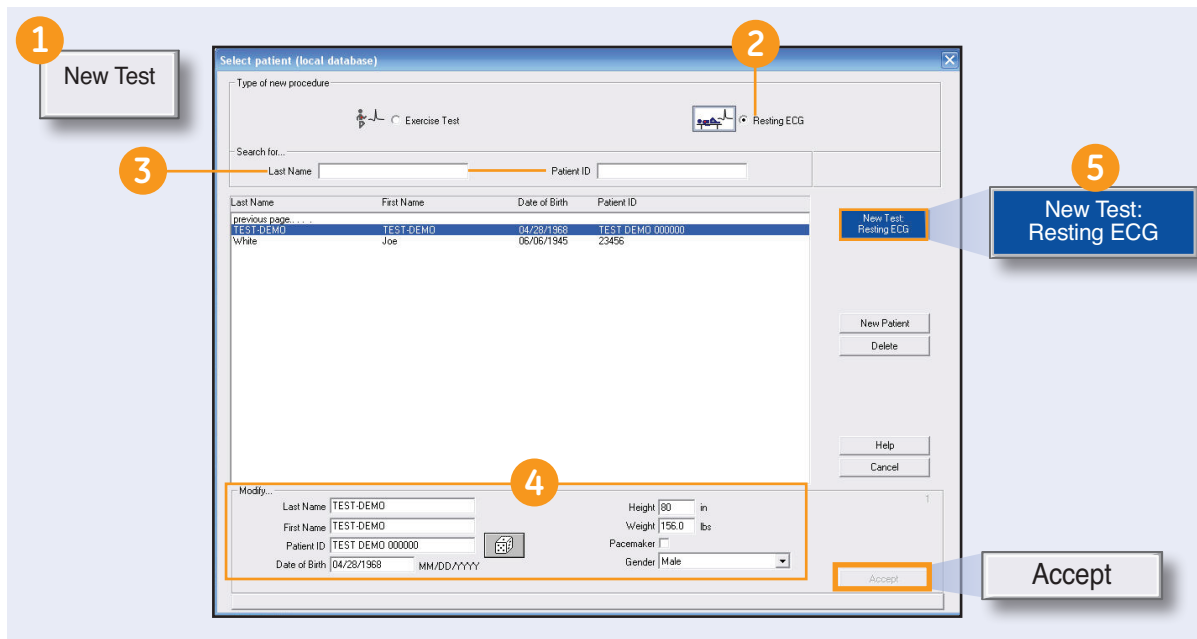
Creating a New Test for an Existing Patient

If selecting an existing patient from the database:

1. Click *New Test* from the *Initial* screen.

2. Click *Resting ECG* as *Type of New Procedure.*

3. Enter the *Last Name* or *Patient ID* for the particular patient you are searching for. It is sufficient to enter the first letters or numbers.

4. Check the patient information. If it needs to be modified:
   a. Type over the current data
   b. Click *Accept.*

5. Click *New Test: Resting ECG*

6. Skip to page 5 *Test Information and Verify Signal Quality.*

Creating a New Test for a New Patient
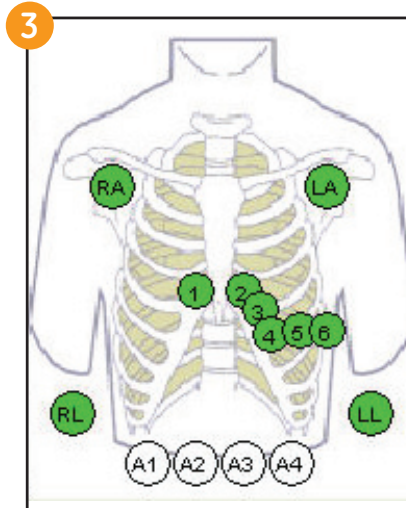
If creating a new patient:

1. Click *New Test* from the *Initial* screen.

2. Click *Resting ECG* as Type of new procedure.

3. Click *New Patient* on the *Select Patient* window.

4. Enter patient demographic information. Click *Accept.*

5. Click *New Test: Resting ECG* to open the test.
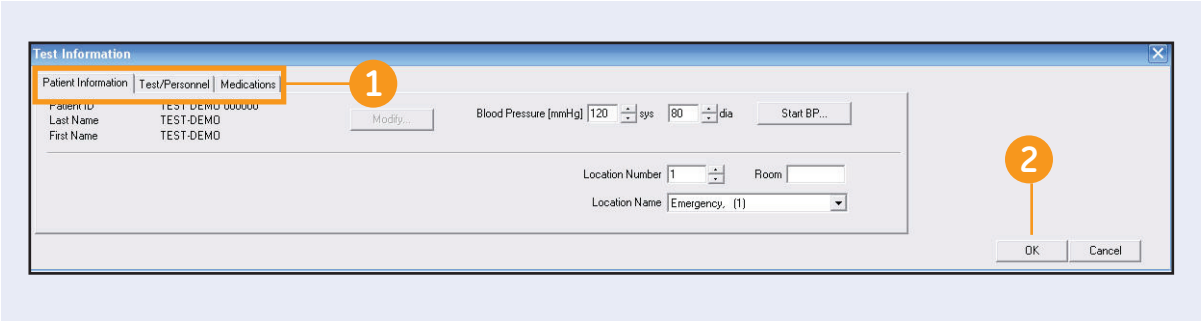
Test Information and Verify Signal Quality

1. Click on the *Patient Information, Test/Personnel* and *Medications* tabs to continue to enter patient or modify test information.

2. Click *OK* to close the *Test Information* window.

3. Review the color and number codes on the *Lead Check* Torso.

4. Re-prep if necessary.

- 10-15 equals Great patient prep and no action required

- 15-40 equals Good patient prep and usually no action is required

- 40 and above equals Bad patient prep and reprepping of leads is recommended

Green indicates no signal noise.

Amber indicates some signal noise

Red indicates significant signal noise or lead off.

Acquire an ECG (with full Disclosure)

1a. Click *ECG Acquisition* to start acquiring an ECG.

ECG
Acquisition

With Full Disclosure:
To acquire an ECG with Full Disclosure, continue with the steps listed below:

2a. Click *Start Full Disclosure ECG* to acquire for a maximum period of 60 minutes.

Start Full
Disclosure
ECG

Click *Event Marker Full Disclosure* to mark an event.

Event Marker
Full Disclosure

Click *Stop FD/Post Test Review* to stop acquiring.

Stop FD/
Post Test
Review

Continue to *Post Test Review* on the following page.

Acquire an ECG (without Full Disclosure)

1b. Click *ECG Acquisition* to start acquiring an ECG.

ECG
Acquisition

Without Full Disclosure:
To acquire an ECG without Full Disclosure continue with the steps below:

Click *Rhythm Writer* if you want to print a continuous rhythm strip.

Rhythm Writer

Click *Stop Writer* to stop printing the rhythm strip.

Stop Writer

2b. Click *Post Test Review* when finished acquiring.

Post Test
Review

Continue to *Post Test Review* on the following page.

④

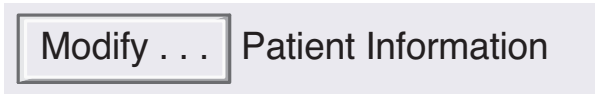| Test Summary | ECG Traces | Medians | Arrhythmia Review | Vector Loops |

Post Test Review

The Test Summary Tab will open automatically. Click on any of the tabs (shown above) within **Post Test Review** to access all available information.
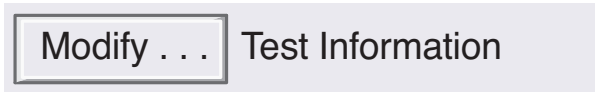
Edit Test Summary Tab

1. **Patient Information:** Click **Modify** to edit patient demographic information.
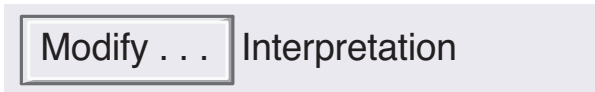
| Modify . . . | Patient Information |

2. **Measurement:** Click **Measurement Results** to view the system evaluation.

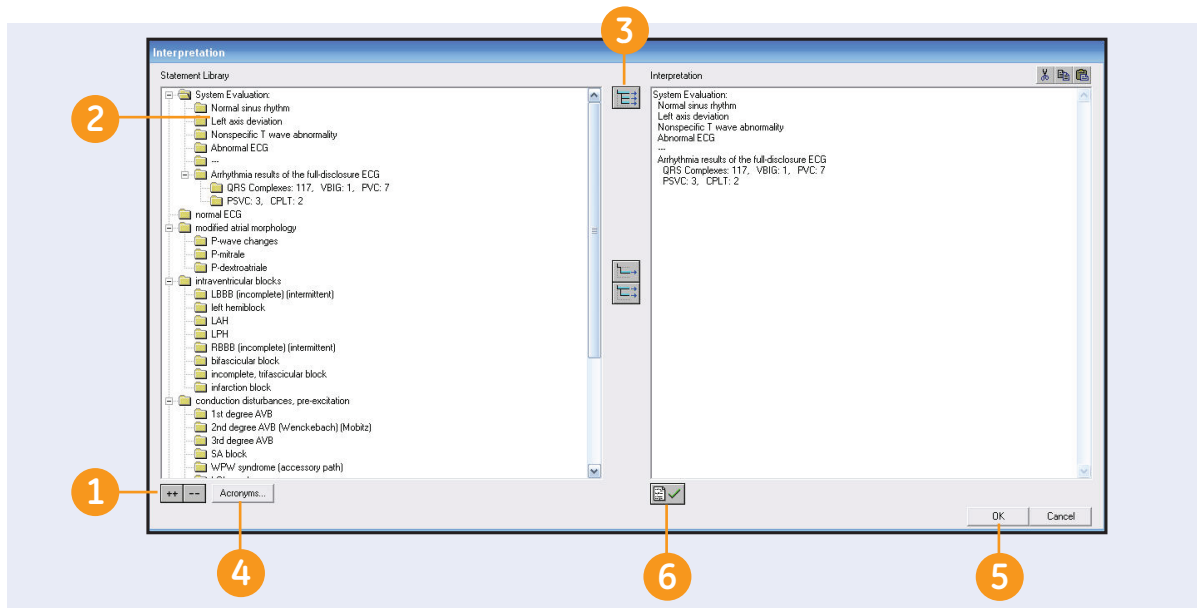| Modify . . . | Measurement Results |
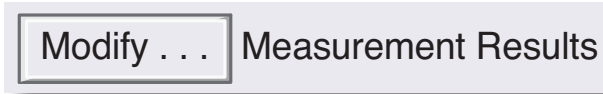
3. **Test Information:** Click **Modify** to edit test data, including test personnel and medications.

| Modify . . . | Test Information |

4. **Interpretation:** Click **Modify** to edit the interpretation.

| Modify . . . | Interpretation |

5

Editing Interpretation

Once you click *Modify* in the Interpretation window the Interpretation screen opens.

1. Double click on the **++** button at the bottom of the Statement Library list to see all branches of the statement tree.

2. Double click on the statement to add it to the Interpretation window.

3. Click on the *Copy Branch* icon to add entire branch with statements.

4. Click the **Acronym** button to enter an acronym from the 12SL Statement Library.

    • To locate the statement you want to insert, type the first letter of the acronym, or scroll through the list.

    • To add the statement to the Interpretation, highlight the statement and click *Insert*, or double click on the statement.

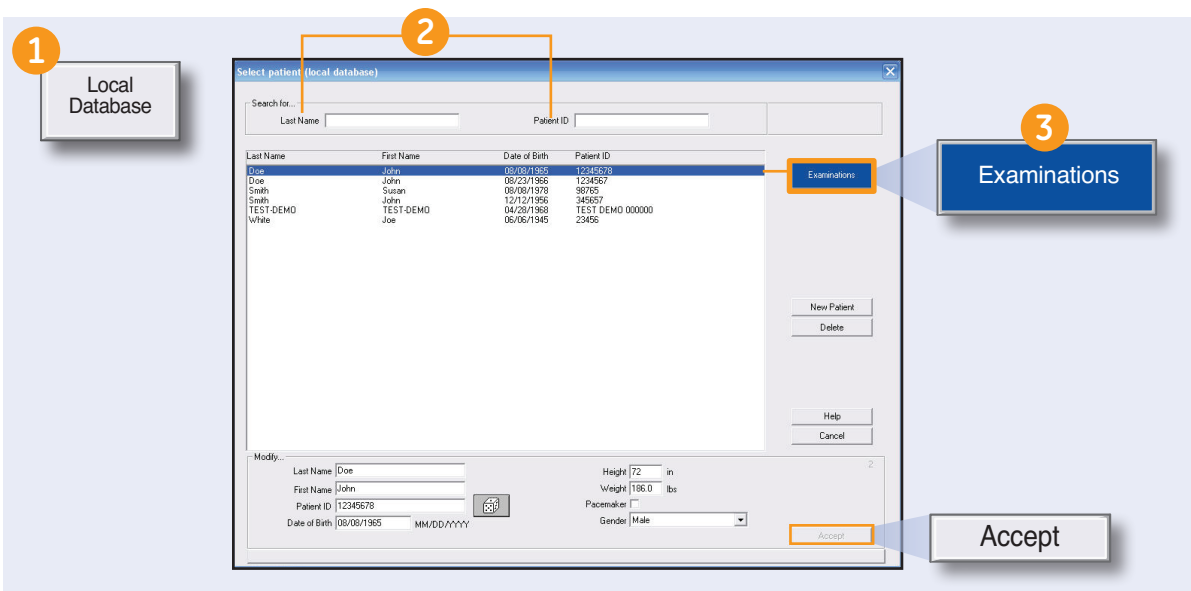5. If you don't want to confirm the record, simply click *OK.*

6.   If you want to confirm the record, click the *Confirm* icon.

To Print

1. From *Post Test Review* screen select *Print*.

2. Modify the components to be printed from the *Print Screen* by checking or un-checking the boxes.

3. Adjust the number of copies of each component if desired.

4.   Click *Print* at the bottom of the *Print* screen.

Print

Modify and Print

1. Click on *Local Database* from the *Initial* Screen.

2. Enter the patient name or ID number to locate the record.
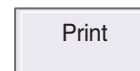
3. Highlight the patient record and click *Examinations.*

   • If necessary, edit the demographic information and click *Accept.*

   • Then click *Examinations.*

4. Highlight the test on the patient procedure list and click *View*. If you want, you can filter the patient procedure list. To filter the list follow these steps:
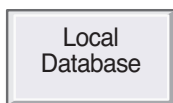

   • Select *Resting ECG* from the *Test* drop down list.

   • Select *Confirmed* or *Unconfirmed* records from the *Status* drop down list to see only confirmed or unconfirmed records.

5. Click *Modify* to edit Patient Information, Measurement Results, Test Information, or Interpretation.

6. Click the tabs to review the test data.

7. Click *Print* and select reports to print. Click *Print* again.

Delete a Record

1. Click on *Local Database* from the *Initial* screen.

> Local
> Database

2. Enter the patient name or ID number to locate the record.

3. Highlight the patient record and click *Examinations.*

    - If necessary, edit the demographic information and click *Accept.*

    - Then click *Examinations.*

4. Highlight the test on the patient procedure list and click *View*. If you want, you can filter the patient procedure list. To filter the list:

> Test Resting ECG ▼
> Status unconfirmed ▼

    - Select *Resting ECG* from the *Test* drop down list.

    - Select *Confirmed* or *Unconfirmed* records from the *Status* drop down list to see only confirmed or unconfirmed records.
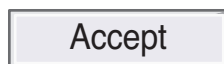
5. Click *Delete*
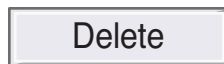
> Delete
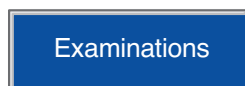
6. Verify that you wish to delete the record by clicking *Yes.*

Transfer to MUSE

1. Click on *Local Database* from the *Initial* screen.

2. Search for the patient using the Last Name or Patient ID.

3. Highlight the patient. Edit the demographics if necessary. Click *Accept.*

> Accept

4. With the patient highlighted click *Examinations.*

> Examinations

5. Locate the patient procedure. You can filter the list by test date, test type or status.

6. Highlight the patient procedure and click *Transfer to MUSE.*

> Transfer to MUSE

7. Click *Save* to start transmitting.

💡 **Note:** *If you have your system set to **Delete Local Test** after Transfer to MUSE, then the record will be removed from the record list. If you don't have this set then the record will be marked as sent to MUSE.*

Export

1. Click on **Local Database** from the Initial Screen.

    Local Database

2. Search for the patient using the **Last Name** or **Patient ID.**

3. Highlight the patient. Edit the demographics if necessary. Click **Accept.**
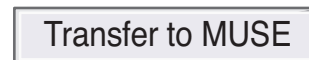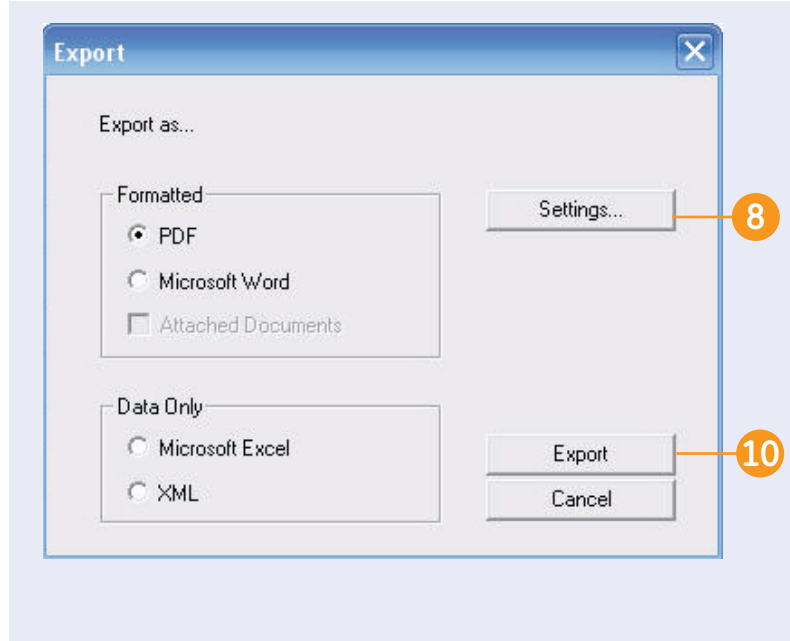
4. With the patient highlighted click **Examinations.**

5. Locate the patient procedure. You can filter the list by test date, test type or status.

6. Highlight the patient procedure and click **Export.**

7. Select **Export Format** (PDF, Microsoft Word, Microsoft Excel or XML) The window to the right will open.

8. Click **Settings** to select the export components and Export Folder Location.

9. Click **OK.**

10. Click **Export.**

Export

Export as...

Formatted
- ⦿ PDF
- ○ Microsoft Word
- ☐ Attached Documents

Settings...   **8**

Data Only
- ○ Microsoft Excel
- ○ XML

Export   **10**
Cancel

9

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