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PHILIPS® 12-Lead ECG PageWriter TC70® & TraceMasterVue®

Module 3 – Provider ECG Read Workflow

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Introduction

- Application can be found on Citrix or an icon can be placed on computer desktop

- Sign-in with MHS/NT username and password on workstation to assure access to the Application icon

- Sign-in to application with MHS/NT username and password and click *Login*

How to Access the Trace MasterVue Application:

- It may be accessed through the Citrix application or an icon on your workstation desktop

- It may be necessary for you to log on to your workstation using your MHS/NT username and password if you are working at a generic login workstation for your access icons to show

- You may either double click the desktop icon or click the Citrix icon and click Trace Master Vue Prod in the list. Note: if you plan on printing an ECG you must use the desktop icon at this time.

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My Notes

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Additional Help on Philips Learning Center

Additional training on Philips TraceMasterVue is available free through Philips Learning Center
https://www.theonlinelearningcenter.com/default.aspx

How to Access the Trace MasterVue Application (cont'd)

- TraceMasterVue will open though web so you will notice web access being obtained with your web browser and pop up windows on your screen

- At the login Screen enter you MHS/NT username and password, then click login

Customizing TMV – Setting Defaults

First you will need to set your default view for reading ECGs

- You will do this the first time you login to TraceMasterVue and you will not have to make any changes again unless you wish to change the screen colors. **Stmt view** will always be your default view.

- Click **View** (main menu) – top left of screen

- Click "**Show Statement Codes**" This will help you remember frequently used codes.

- Click "**Show Statement RHS**" This shows at the right of each statement the reason for the code (this is optional)

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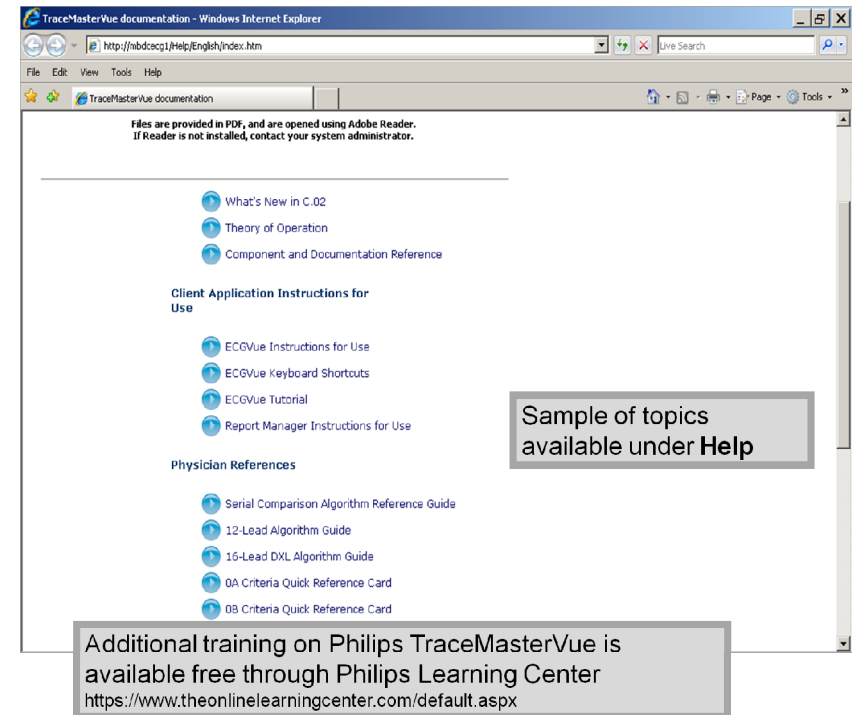& Development
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Customizing TMV – Setting Defaults (cont'd)

- Click "**Show Report Gridlines**". This will print the gridline for an ECG on plain paper if you need to print out an ECG.

- To use Favorite Statement Codes & set up a Favorites list – click on "Use Favorite Statements" . This will allow you to build a preference list of frequently used interpretation codes. We will address this process later.

- Click "**Customize**"
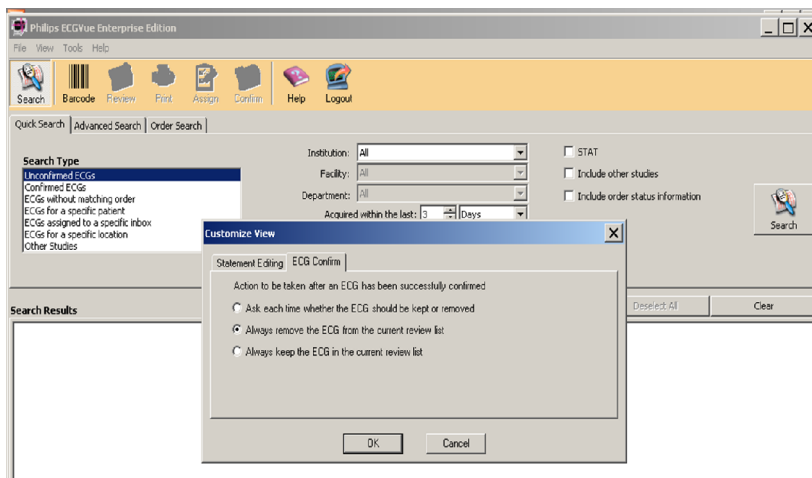
- Click **Customize** under the **view** menu drop down

- In the pop-up window click **ECG Confirm**

- Select **Always remove the ECG from the current review list**

- Click **OK**

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Additional Help

Sample of topics available under **Help**

Additional training on Philips TraceMasterVue is available free through Philips Learning Center
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Help !

- You may click on the Help action icon at anytime and the Phillips help web page will open.

- There is much more detailed information on how to use TMV and how the system works

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Additional Help

Clicking "**Help**" at the top of the TMV screen will bring you to the Phillips 'Help' Web Page & will provide more detailed information on how to use TMV and how the system works
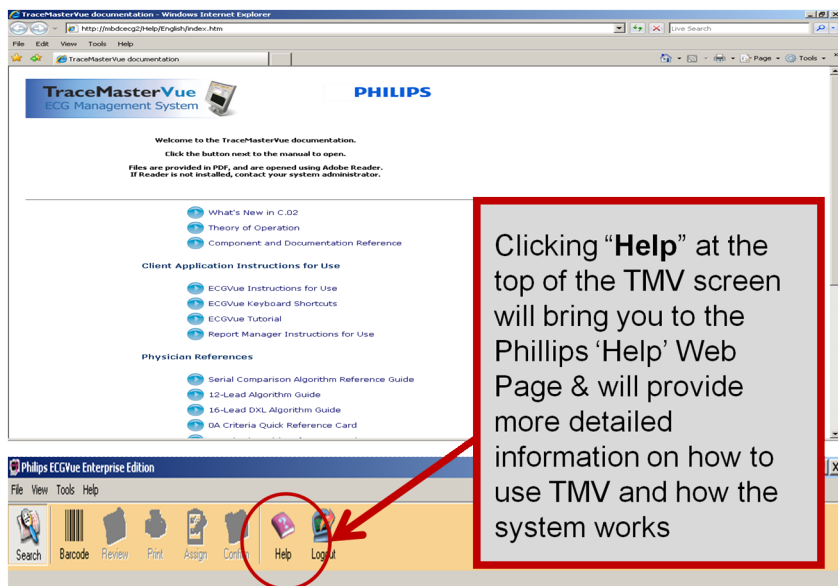
Help!

- You may click on the Help action icon at anytime and the Phillips help web page will open.

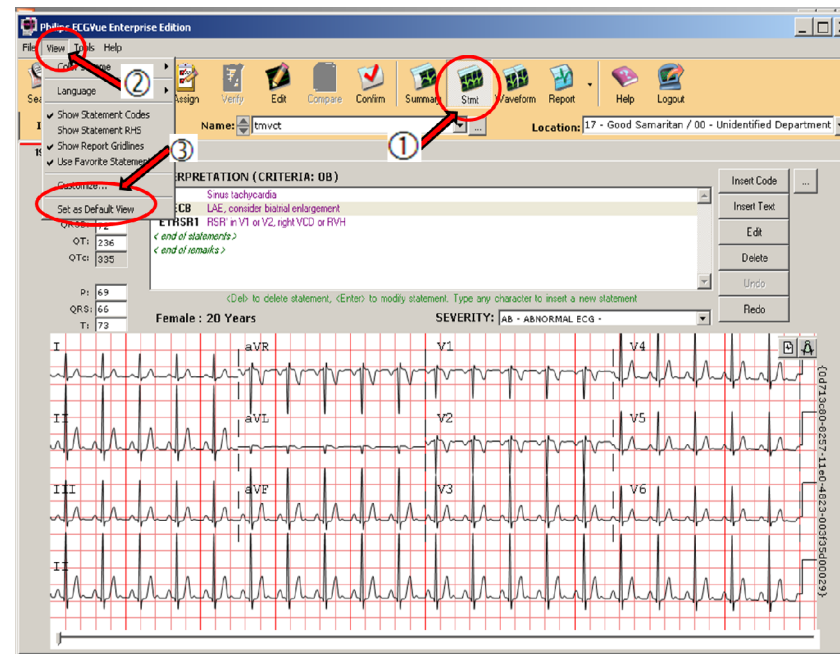- There is much more detailed information on how to use TMV and how the system works

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Customizing TMV – Setting Defaults (cont'd)

- The first time you login - set your default view to **Stmt** (statement) view. This will only need to be done once.

- Thereafter, your default screen will be **Stmt** (statement) view for reading ECGs.

- Click on "**Stmt**" icon in the action icon across the top of the screen

- Click **View** in the main menu

- Click "**Set as Default View**" at the bottom of the drop down list. The next time you login and select an ECG to review you will see it in the Statement view

- This is the screen you will probably use to read most ECGs.

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Initial Search

From the *Search Screen*, select:

1. ECGs assigned to specific inbox

- Will bring up ECGs assigned to specific physician/group

2. Click on down arrow in **Assigned To:** to bring up a list of inboxes

- Select your inbox

2. Click **Search**

- A list of all ECGs for that inbox will be displayed

This is the default search screen where you will access the ECGs you are going to read

- Notice the "Search" Icon is highlighted (top left of screen)
- The "Quick Search" tab is auto selected. This is the first selection you will make to find your ECGs to be read
- You will click on "ECGs assigned to a specific inbox" That will make the "Assigned to" option available
- Next select your assigned inbox from the drop down list... if you are a TG ED physician you would select TG Emergency Department
- Then click the "Search" icon on the right side of the screen
- A list of all the ECGs in that inbox will appear in the bottom half of the screen

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Setting Favorites List (cont'd)

1. Once the favorites list is set up - you can highlight on a line of the interpretation – right click - and your favorites list will appear in the drop list

Customizing TMV - Setting your preference list

- Once your favorites list is set up - you can highlight on a line of the interpretation – right click - and your favorites list will appear in the drop list

Setting Favorites List (cont'd)

1. Click on the box in front of the code(s) to add it on your favorites list.

2. Once you have made your list – click on the **Save** button

Customizing TMV

- This box may be expanded so you can see the complete description by placing the mouse over the side of the box, left click and drag the box side to make it bigger

- Click on the box in front of the code(s) to add a check mark and add it on your favorites list.

- Once you have made your list – click on the **Save** button

- You may add or remove statements from your list by placing a check mark by the statement or click to remove it.

- Remember to click **Save**

- Most physicians prefer to read from a less cluttered screen with where waveforms are more easily viewed

Initial Search (con't)

1. Click on the **Select All** button
2. Select the desired ECG
   - The ECGs to be reviewed will have a checkmark in the box next to the ECG
3. Click **Review** icon near the top of the screen
   - TMV will display the most recent ECG to be edited

On this screen you will select the ECGs you wish to read.

You may select an individual ECG for a certain patient but you will probably read all that is in the list (you can read them sequentially) In that case:

- You would click Select All (arrow 1 on slide)
  - If there are over 50 ECGs to be read another icon will appear that says "Select First 50"
  - You may only select 50 ECGs at a time to read

- You will notice that there will a check mark beside each ECG when you click select all (arrow 2 on slide) or the first 50 if that was your option

- Click the "Review" icon (arrow 3 on slide) at the top of the screen. This will display the first ECG to be read.
  - If there is more than one ECG for the same patient the most recent ECG will be displayed first

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Initial Search (cont'd)

This is the Statement (**Stmt**) Page

1. Patient's MRN, Name, location the ECG was acquired, tab for each ECG, parameters of ECG, computer-generated interpretation, edit tools, gender, age, electronic interpreted severity of the ECG and waveforms are located here.

2. **Bold type** on the tab indicates that the ECG has been selected in your previous search.

3. The red line over the ECG tab date and time indicates ECG selected to view.

You are now on the **Stmt** (Statement) page

Just under the action icons in **Stmt** view will see:

- Patient's ID which is the Medical Record Number
- Patient's name
- and the location the ECG was acquired

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Setting Favorites List

Setting Favorites list:

After turning on **"Use Favorite Statements…"**

1. Click on a line in the interpretation

2. Click on box with 3 dots …

3. Click on List

4. Click on Edit

Report View:

- Displays how ECG will look in EPIC or when printed out.

Customizing TMV - Setting your preference list

- You may edit and add to your Favorites list as you are reading ECGs or at one sitting if you prefer
- You must open an unconfirmed ECG to add or Edit your Favorites list
  - Click on a line in the interpretation
  - Click on box with 3 dots …
  - Click on list
  - Click on Edit

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Viewing ECGs (cont'd)

Summary view contains all the information that was entered on the cart when the ECG was acquired.

- This view is used to reconcile orders from Epic with the ECG in the TraceMasterVue application

- Reconciliation should be performed by system overseers before the ECGs are read (Respiratory Therapy Department)

- Most physicians prefer to read from a less cluttered screen with where waveforms are more easily viewed (ie: Stmt View)

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Initial Search (cont'd)

- Under this line you will see tabs identifying each ECG the patient has had by its date and time acquired

  - Bold type on the tab indicates that the ECG has been selected in your previous search.

  - ECGs tabs that are not in bold type were not selected in your previous search

  - The red line over the date & time of the ECG indicates which ECG you are viewing

- Under the selected ECG tabs you will see the electronic interpretation and associated parameters for each segment of the ECG

- Below the interpretation box is the patient's gender, age and the severity that was electronically assigned to the ECG

- To the right of the Interpretation box is where the editing tools are located

Interpreting ECGs

You may adjust the view of the ECG

- Left clicking on the wave form section to zoom in on the wave forms

- You may left click and hold to drag to a particular lead or wave form

- Right clicking will zoom out

Viewing ECG

Report View:

- Displays how ECG will look in EPIC or when printed out.

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Interpreting ECGs (con't)

Other useful tools are the filters and calipers

- The small wave form icon next to the calipers at the top right of the waveforms will allow you to adjust filters and clean up messy waveforms

- The calipers will help you to measure waveforms on screen. The calipers may be used with the waveforms zoomed in for easier caliper placement.

  - Right click in the calipers opens the caliper configuration box to adjust your caliper use

  - Move and manipulate calipers by moving the mouse over the different segment lines of the calipers.

    - Set your calipers on a waveform by left click, hold and drag the base lines first

- Measurements are automatically calculated as you move the caliper lines

Interpreting ECGs (cont'd)

Statement (**Stmt**) Page
• Options for modifying text
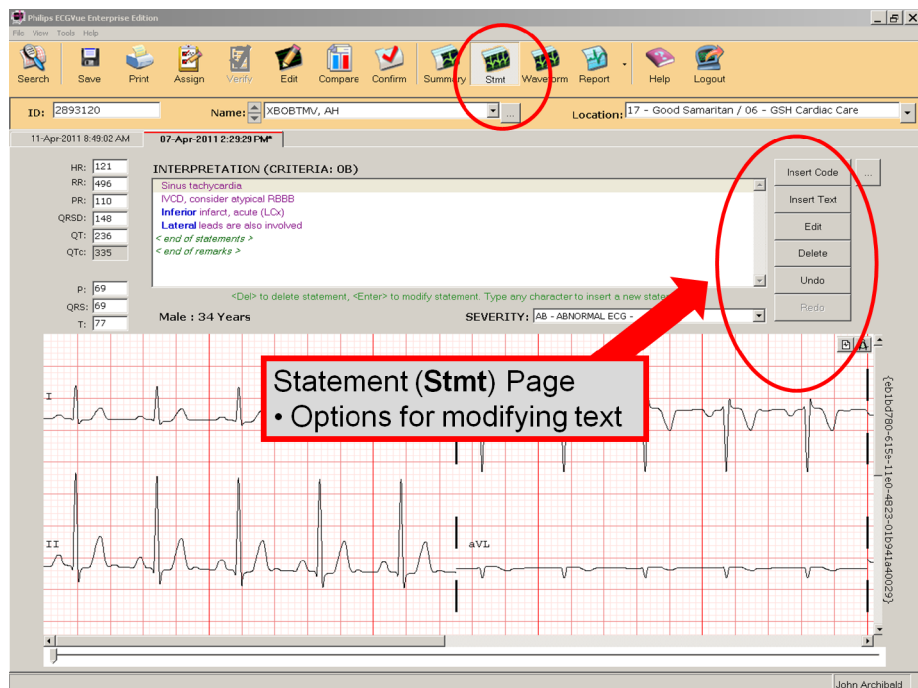
Editing the interpretation

- Once you click on a statement in the interpretation your editing tools become available. You may:
  - Insert a code
  - Insert text
  - Edit the statement
  - Delete it
  - Or… undo a change that you made

Interpreting ECGs (cont'd)
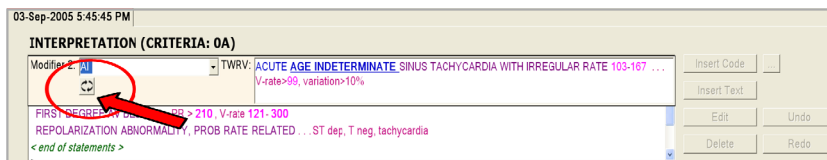
Reversing order of modifiers:

- 'Rotate Modifiers' button appears if there are 2 or more modifiers present within the interpretation.
  - Pressing the 'tab' key allows a user to navigate to all existing modifiers & allows the addition of a new modifier if desired.
- You may switch the order of your modifiers by using the little box with the circling arrows.
  - This will reverse their order

Confirming - Once you are satisfied with the interpretation

- Click the Confirm action icon at the top of the screen
  - This button will be grayed out if you do NOT have confirmation privileges
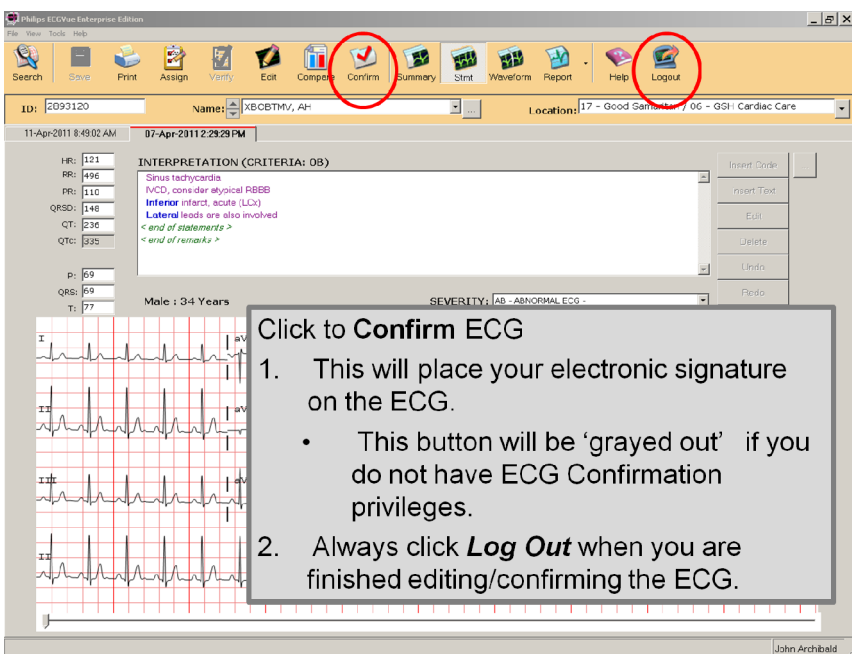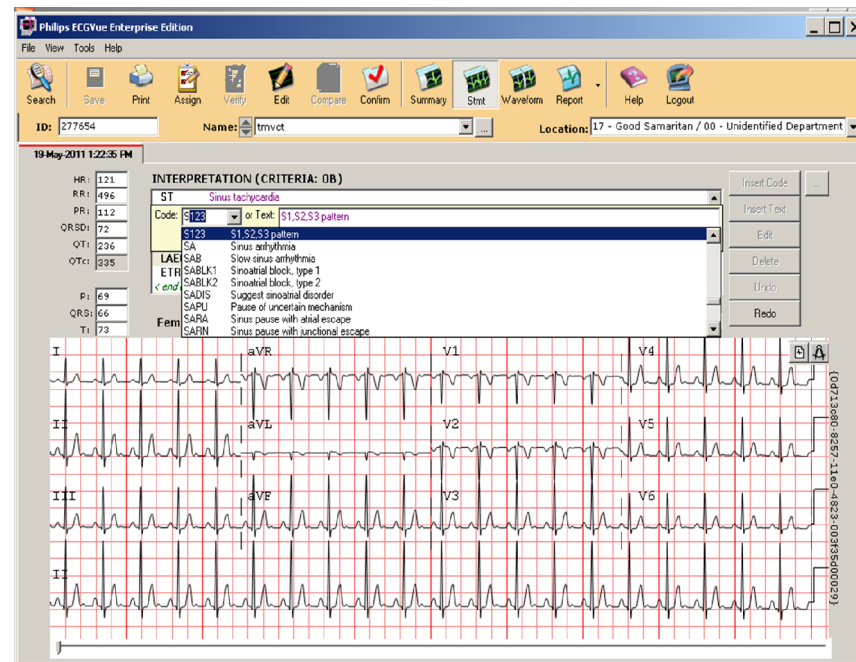
Always **LOG OUT** when you are finished editing/confirming the ECG

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Interpreting ECGs (cont'd)

Reversing order of modifiers (Rotate Modifiers):

- You may switch the order of your modifiers by using the little box with the circling arrows.
  - This will reverse their order

Click to **Confirm** ECG

1. This will place your electronic signature on the ECG.
   - This button will be 'grayed out' if you do not have ECG Confirmation privileges.
2. Always click **Log Out** when you are finished editing/confirming the ECG.

Confirming - Once you are satisfied with the interpretation
- Click the Confirm action icon at the top of the screen
  - This button will be grayed out if you do NOT have confirmation privileges

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Interpreting ECGs (cont'd)

To add a code or statement

- Click on the statement line you wish the statement to appear above
- Type the code or statement (for example, SA for sinus arrhythmia)
- A dropdown list will appear
- Select the statement you want and hit the enter key
- You may add an end statement by clicking on "end of statements" and type your code or statement
- **End of remarks** is for adding a non-coded statement at the end of the interpretation

Interpreting ECGs (cont'd)

Another option for inserting codes or statement…

- Click the square box with 3 dotted lines to the right of insert code to open your preference list or find codes by **category**

- To find the category:

  - Double click the description you want (the box may be expanded so you can see the complete description by placing the mouse over the side of the box, left click and drag the box side to make it bigger)

  - Hit enter key

    - If no modifiers are needed hit the enter key again.

    - This will add the statement to the interpretation

Interpreting ECGs (cont'd)

Modifiers (you may add up to three modifiers by using the tab key Modifiers 1, 2 & 3)

- Once you hit enter to add a statement the Modifier 1 will pop up (if none needed hit enter again)

- You may click the modifier you want from the dropdown list or type the first letter then click it

- Hit the tab key to add another modifier (Modifier 2) again you may click the modifier you want from the dropdown list or type the first letter then click it