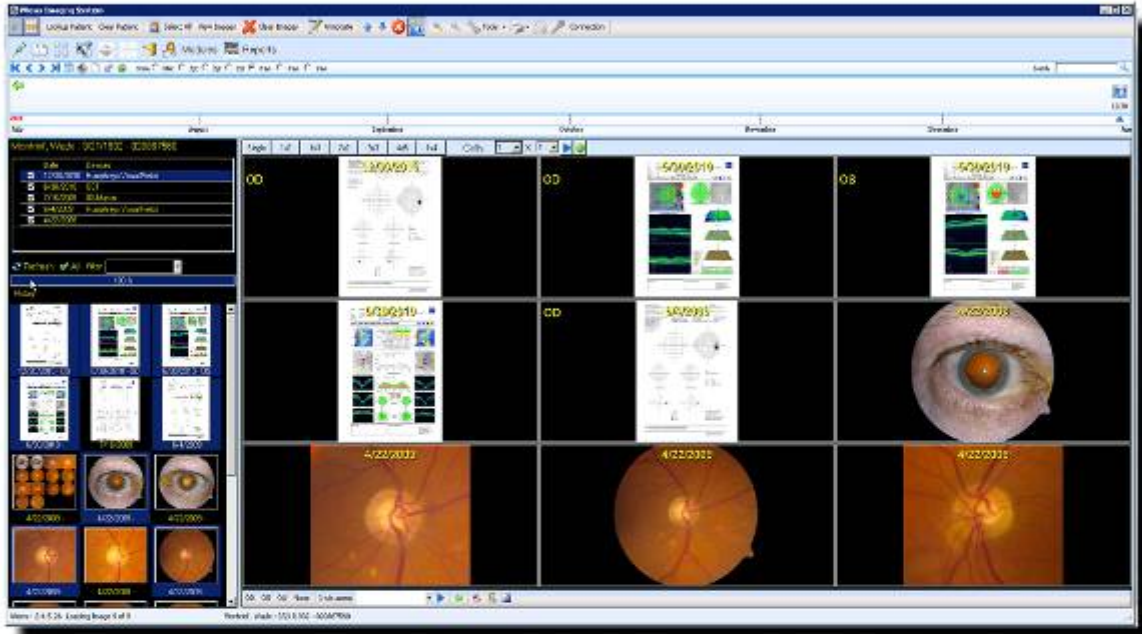




# iViews Imaging System

*a shared vision*



**Make a difference in your practice  
that your patients can see!**

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Toll-Free: (877)734-8393

**Chace and Associates Technologies, LLC**

[www.iViewsImaging.com](http://www.iViewsImaging.com)

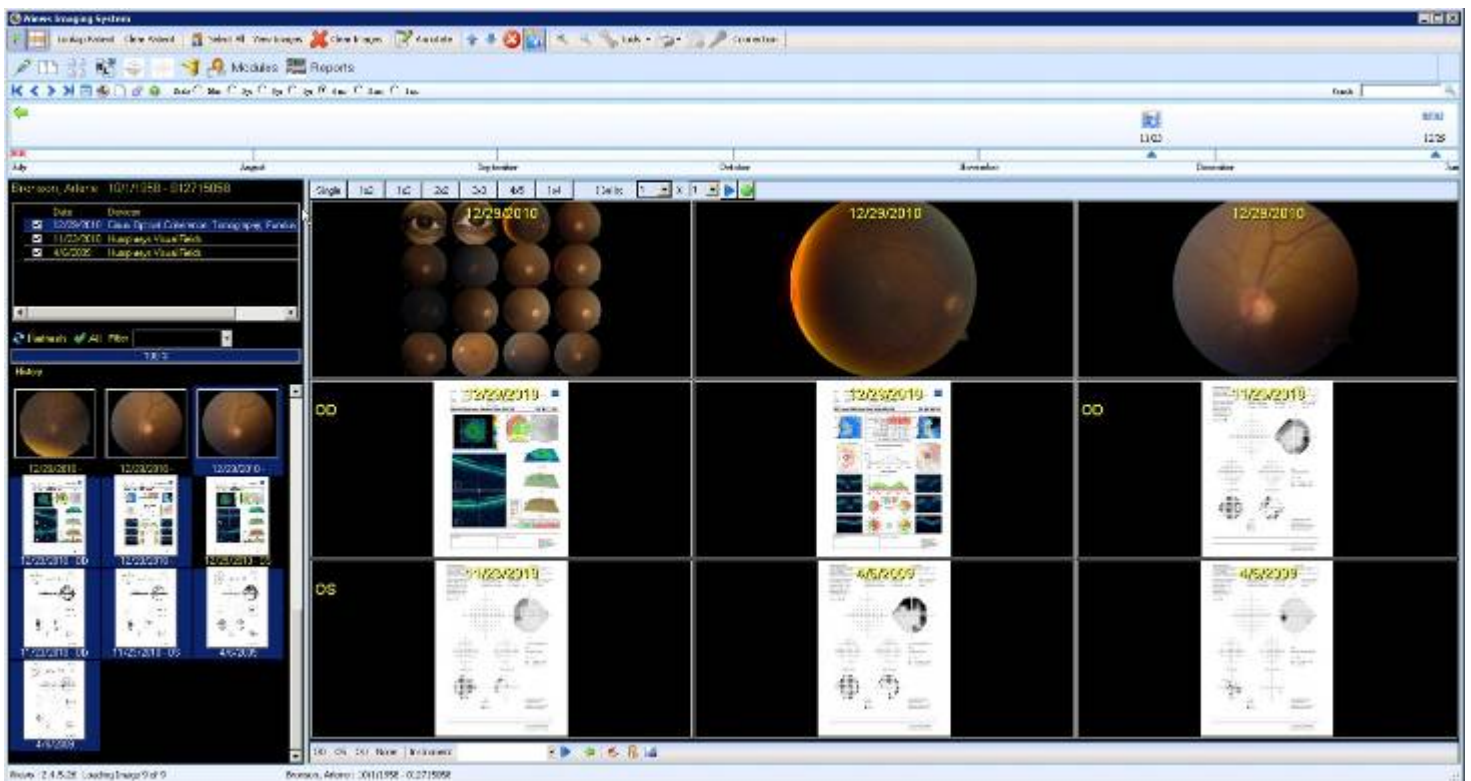
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# iViews Imaging System

## Introduction

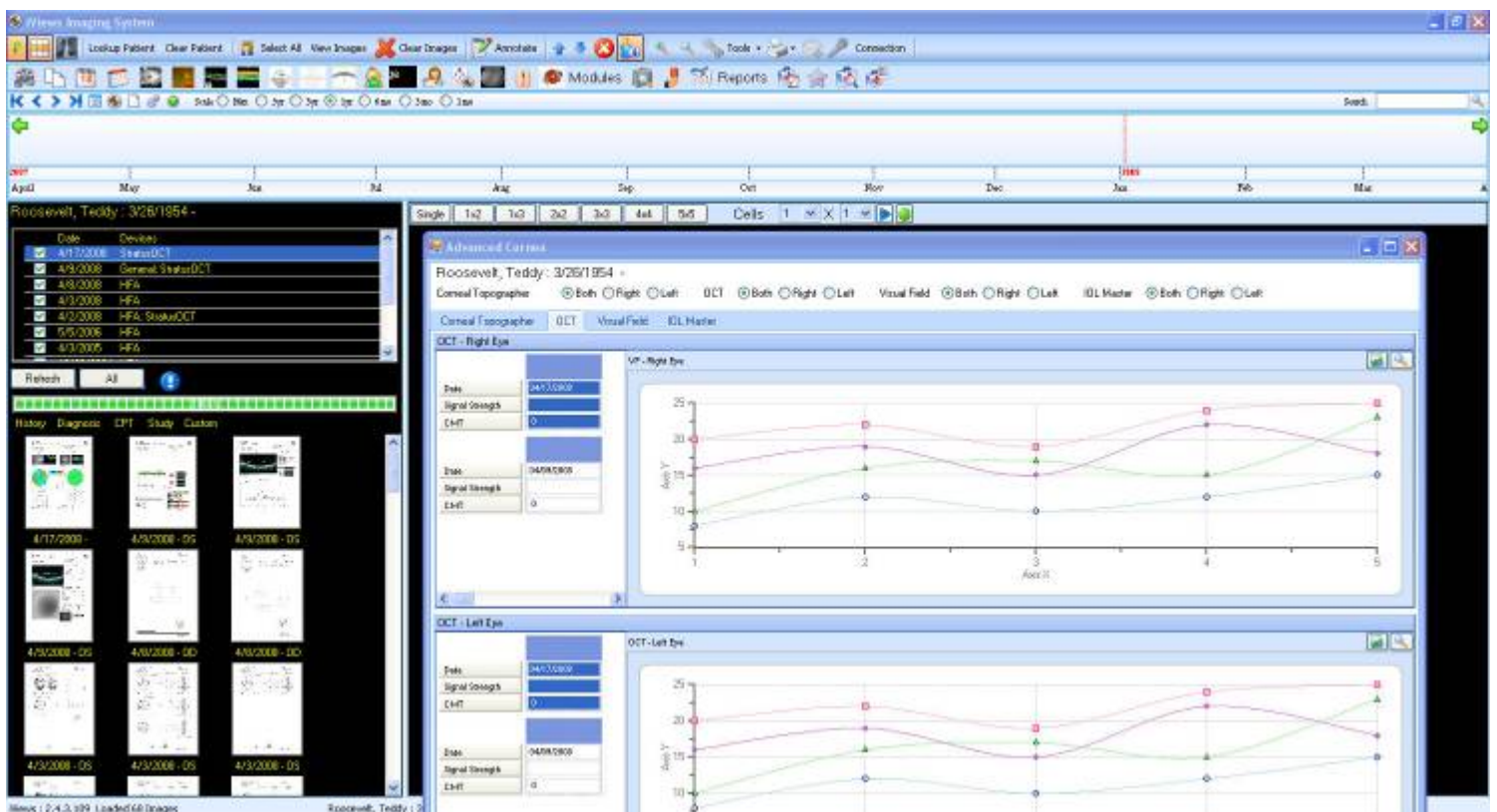
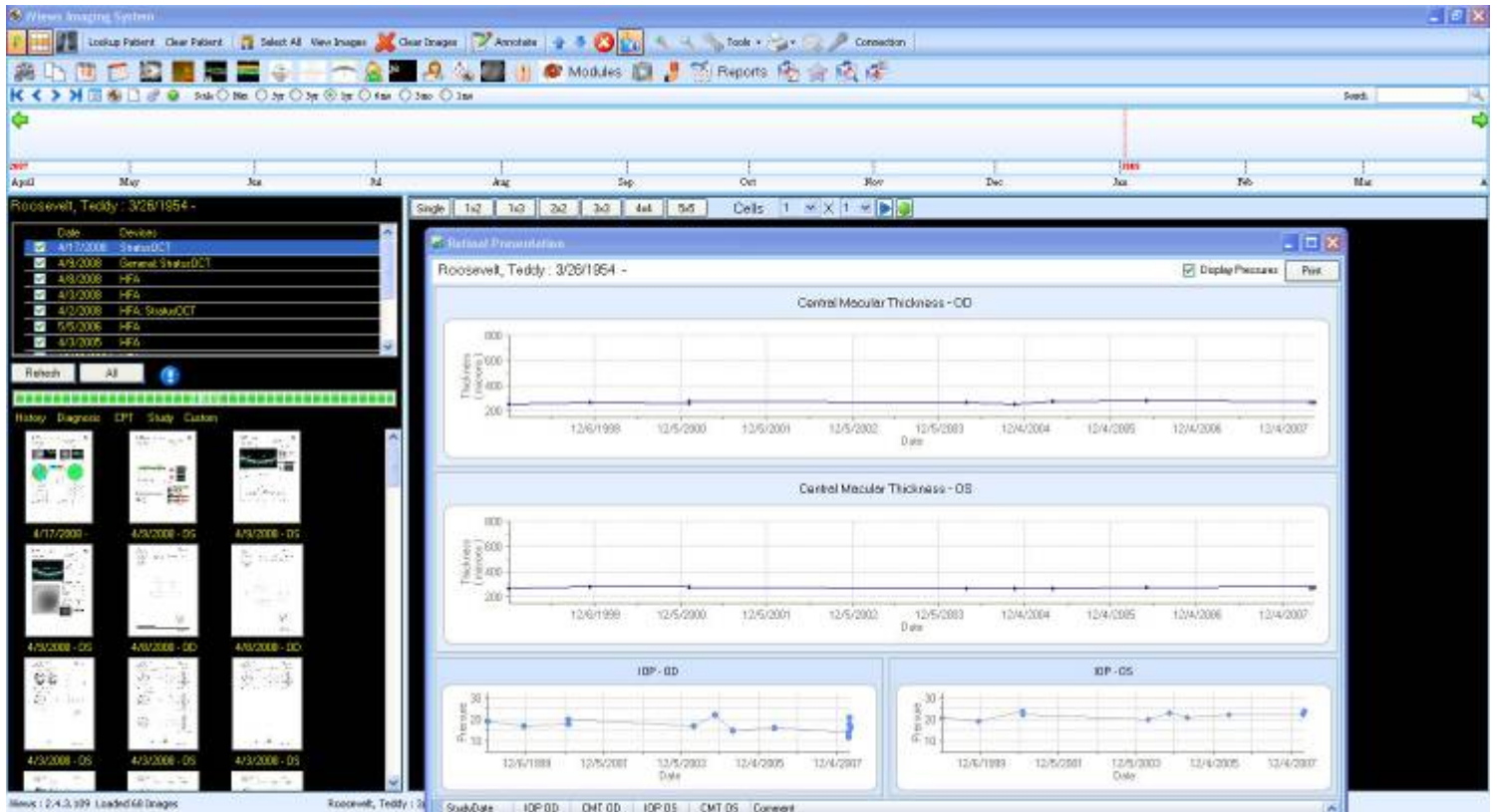
iViews is an advanced viewing system, allowing for diagnostic reviewing through application access on the desktop where ever the imaging and electronic reports are needed for review. iViews Imaging is a concise informatics application for clinic use.

Once the images are sent through our iViews Imaging System to the imaging server all images and PDFs are available for viewing in iViews. iViews, along with our imaging database allows many different visuals for viewing, such as multiple date, serial analysis, side by side, animated or non-animated. All patient imaging can be printed, bulk exported, single image exported, and with or without patient demographics.



# iViews Imaging System

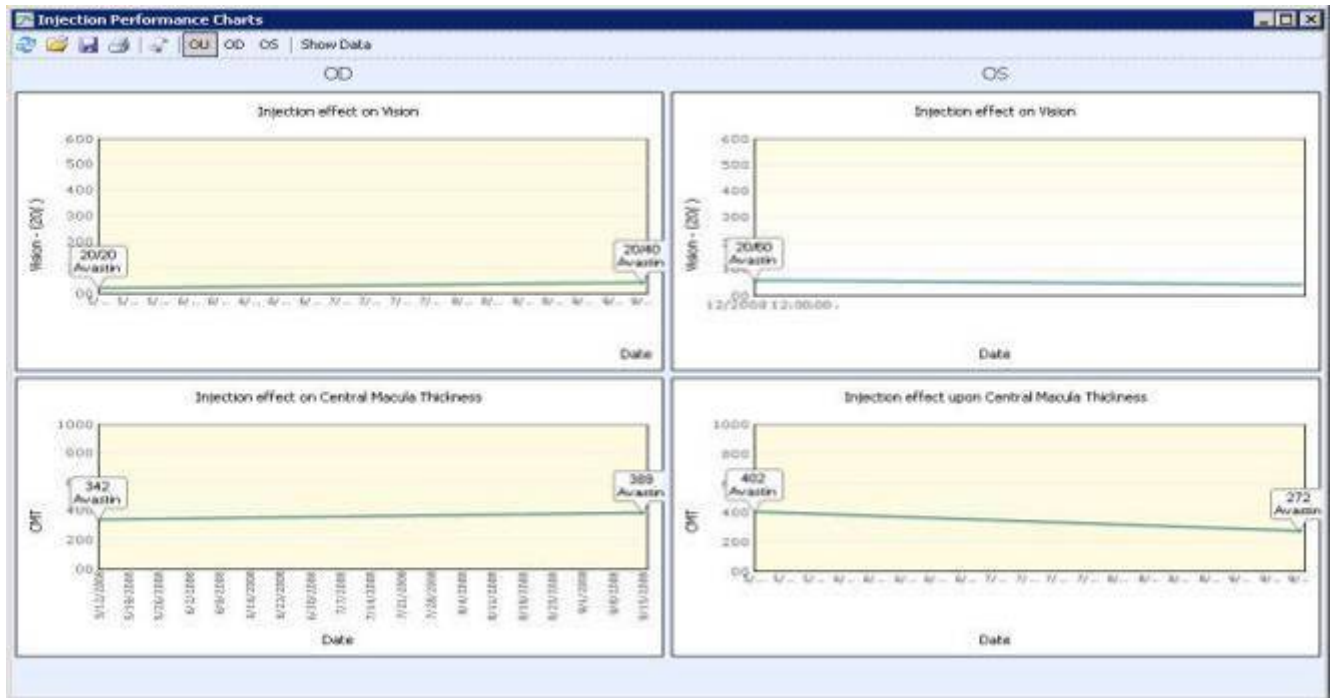
Our Discreet data module is able to collect, store and graph multiple data points over time to give a graphical view of such data as IOP, Macular thickness, Visual Field Indices, IOL Master values and more.





# iViews Imaging System

Injection performance charting allows the tracking of injection effectiveness over time.



Epic data displayed inside of iViews

The screenshot shows the iViews software interface for a patient named 'CORNEA, NANCY'. The patient's name is listed in a sidebar on the left. The main window displays clinical data for both OD and OS eyes, organized into several sections:

- Lensometer:** Shows distance, near, sphere, cylinder, axis, and add values for both eyes.
- Auto Refractor:** Shows distance, near, sphere, cylinder, and axis values for both eyes.
- IDL Master:** Shows flat, steep, average, astigmatism, and axis values for three different measurements for both eyes.
- Visual Field:** Shows test results, stimulus, strategy, and pupil diameter for both eyes.
- Ocular Coherence Tomography:** Shows central macular thickness and RNFL thickness average analysis for both eyes.

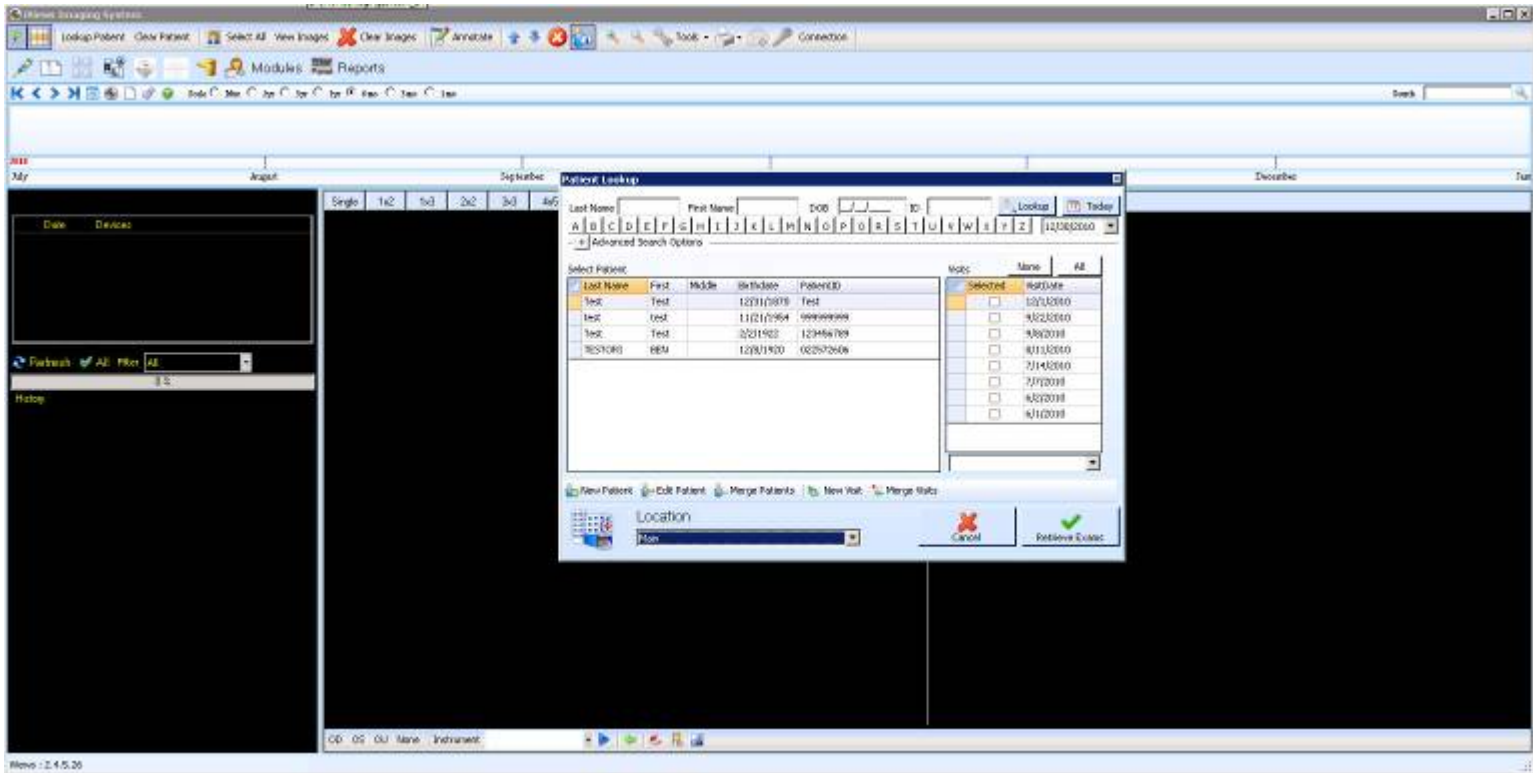
At the bottom of the interface, there are several action buttons: Close, Save and Close, Clear, Print, Email Report, Submit as DICOM, Submit as XML, and Submit as HL7.

# iViews Imaging System

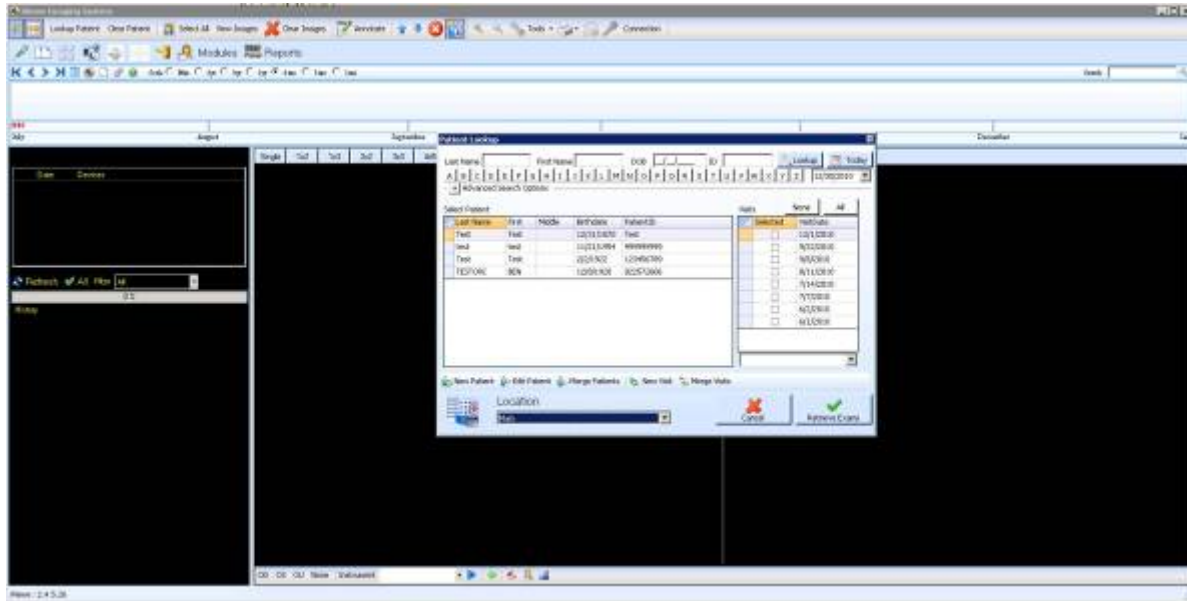
The iViews Imaging application can be accessed from the icon located on the desktop.



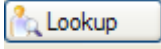
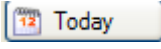
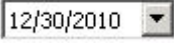
iViews Application will open to the patient selection screen:



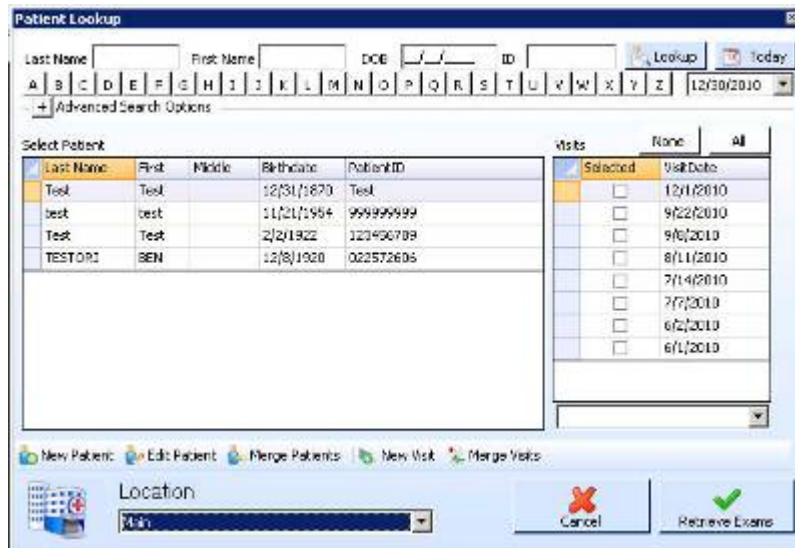
## Selecting Patients:



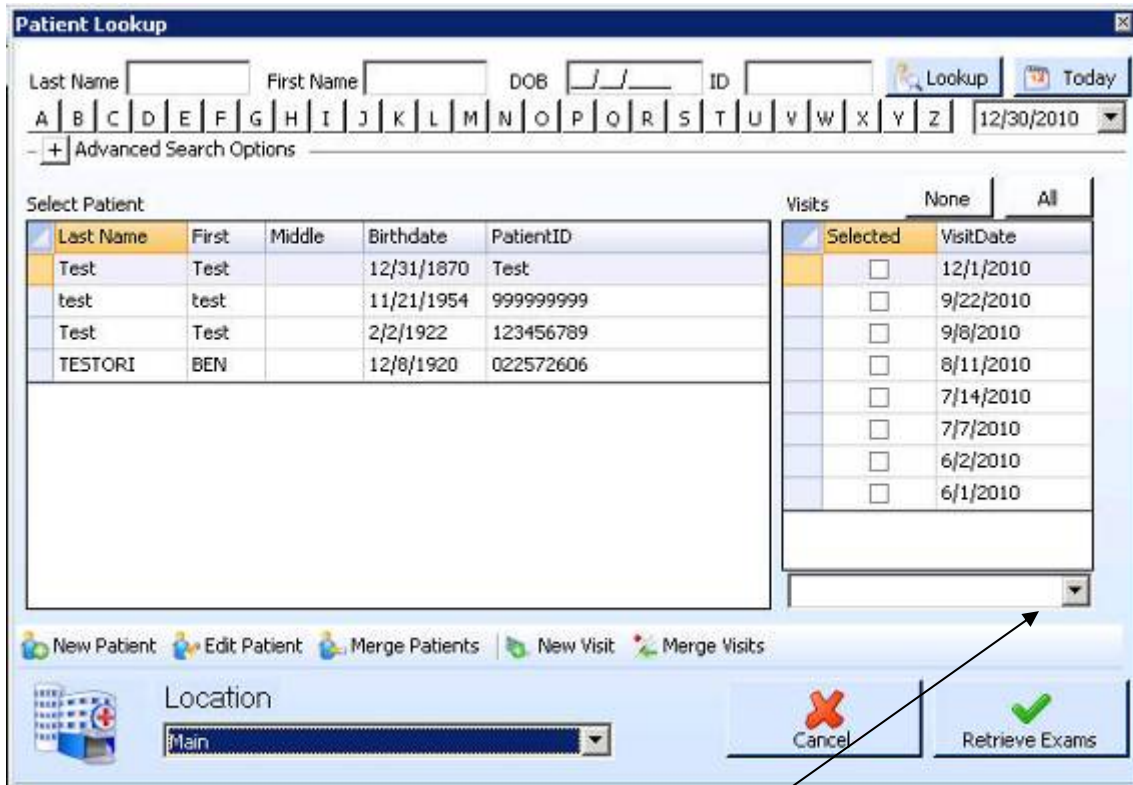
By default when the patient lookup screen is displayed it will show all patients with imaging take today.

- Patients can also be displayed by typing the patient's last name in and clicking on the look-up button. 
- You may also at anytime click the today  button to select all the patients that were seen during the day.
- You will also see the alpha bar. This bar is optional and can be turned on or off at the request of your site.
- You can also select a date of visit to search by clicking in the dropdown and selecting a date. 

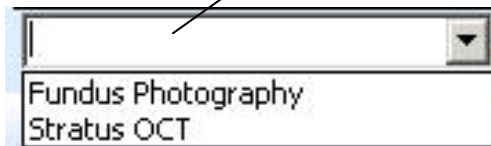
The list will appear as below. Select the desired patient for the list by clicking on the patient's name.



- Select the visits that would like to view. You can select one visit, multiple visits or all visits by using the  button located above the date selection box. Once the visits have been selected, click on the Retrieve Exams button.



## Instrument filters



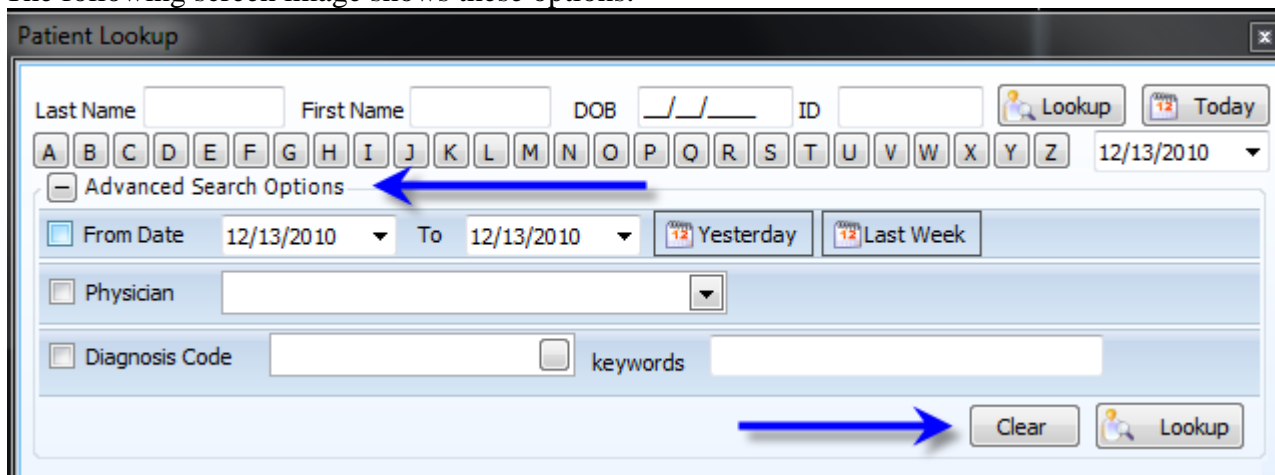
- a. Users can now select a subset of instrument to display in the thumbnails. This is cut down on the number unnecessary images being loaded
- b. Located on the patient lookup screen
- c. Located on the main screen

### Improved Patient Lookup

When you click the advanced search options group box, the following options are now available by clicking on  + Advanced Search Options :

- 1) Date Range
- 2) Physician
- 3) Diagnosis Lookup

The following screen image shows these options:



You may search on any combination of the three options. Simply check the criteria you wish to include and press the lookup button in the advanced search options region. When you use any of the tools for selection, the check box will automatically be checked by default.

#### Date Range

You may either select a date range or you may press the quick buttons to set a range. Please note: unlike previous versions, pressing these quick buttons no longer automatically performs the retrieval. This is because the options may be used in combination.

#### Physician

The combo box displays all the available physicians in the database. They are listed in alphabetic order. Simply select the appropriate physician.

#### Diagnosis code

You have two options, a code search and a free form keyword search. You will probably be most concerned with the code search. Simply press the button in the dialog box and you will be presented with a listing of codes that are available. This list is automatically populated by incoming messages.

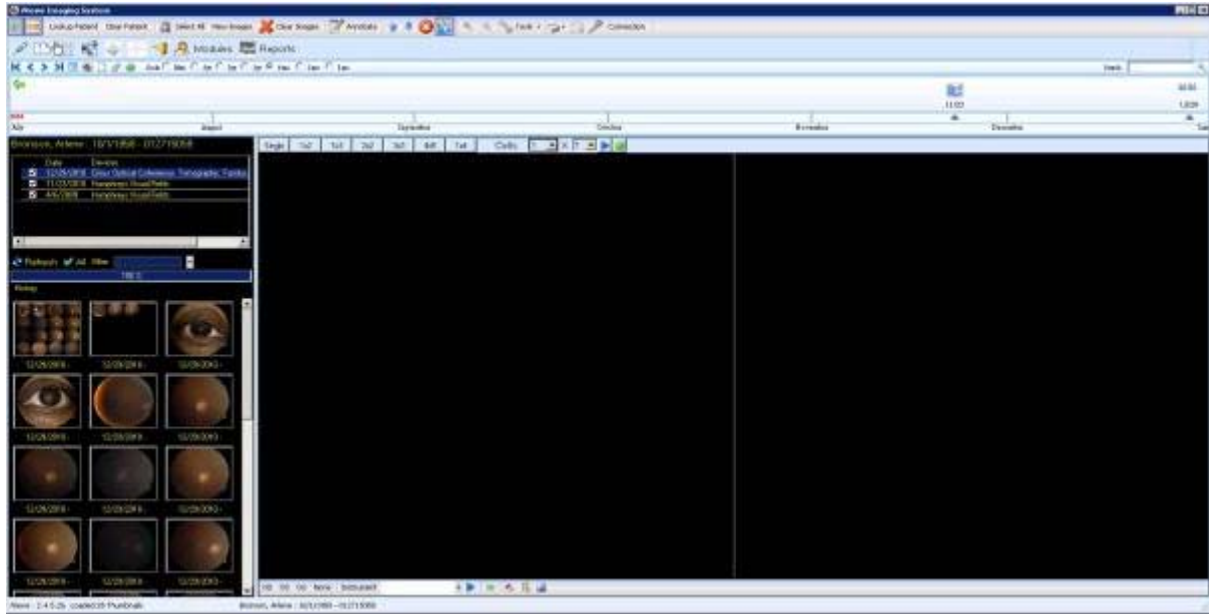
Please note: It is possible for some codes to not be associated with any patients in iViews Imaging. This is because the incoming message mechanism receives all messages.



**Navigation**



- There are multiple buttons located at the top of the screen that can be used to enhance the viewing experience. Once the exams are retrieved all the available images and maps will be displayed on the left side of the screen. Multiple images may be selected at once or single images may be viewed. In the image below, the first nine images are selected and then displayed as seen on the next page.



Thumb nails selection

Image Viewing

**Instrument filters / Main Screen**



Figure 2

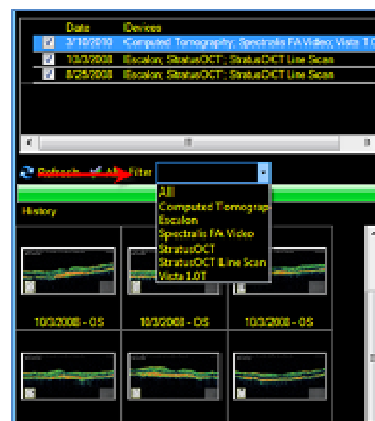


Figure 3

**Notes**

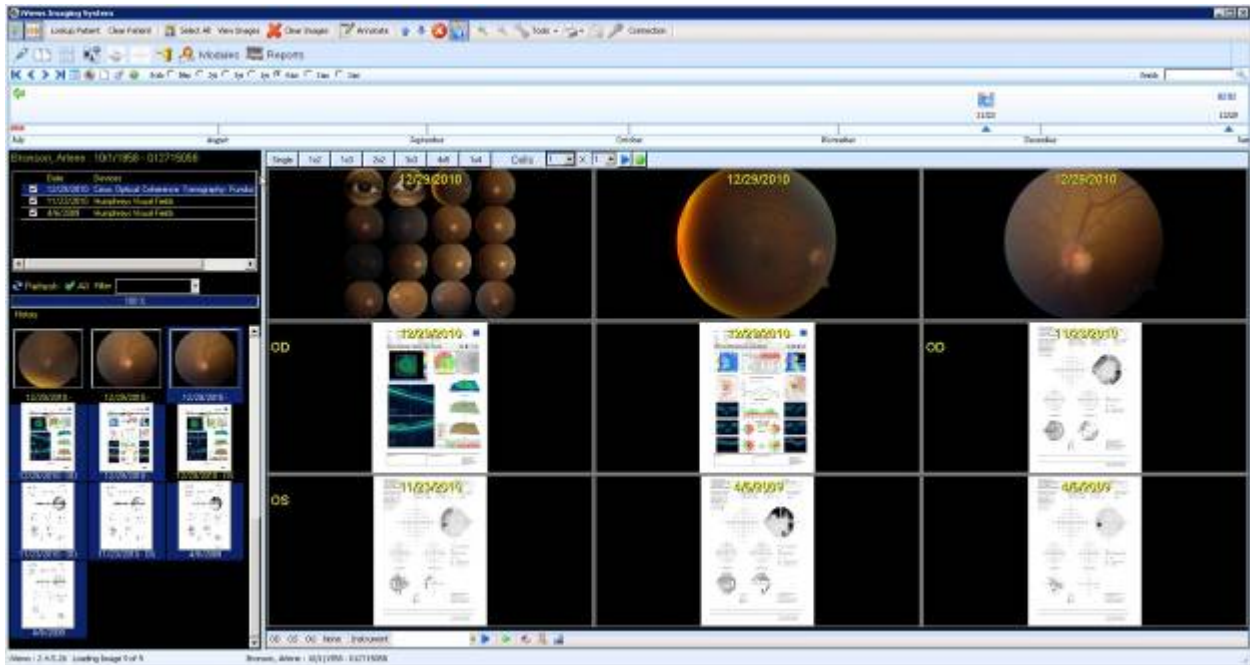
- 1) All modalities for the patient are displayed in the drop down box
- 2) By default, ( doing nothing ) will not apply an instrument filter
- 3) Select “All” from the drop down to show all images again.

# iViews Imaging System

## Cell Viewing

Images on the right side of the screen can be displayed by selecting single view, 1x2, 1x3, 2x2, 3x3, 4x4 and 5x5. The image displayed below is 3x3 this includes all the images selected.

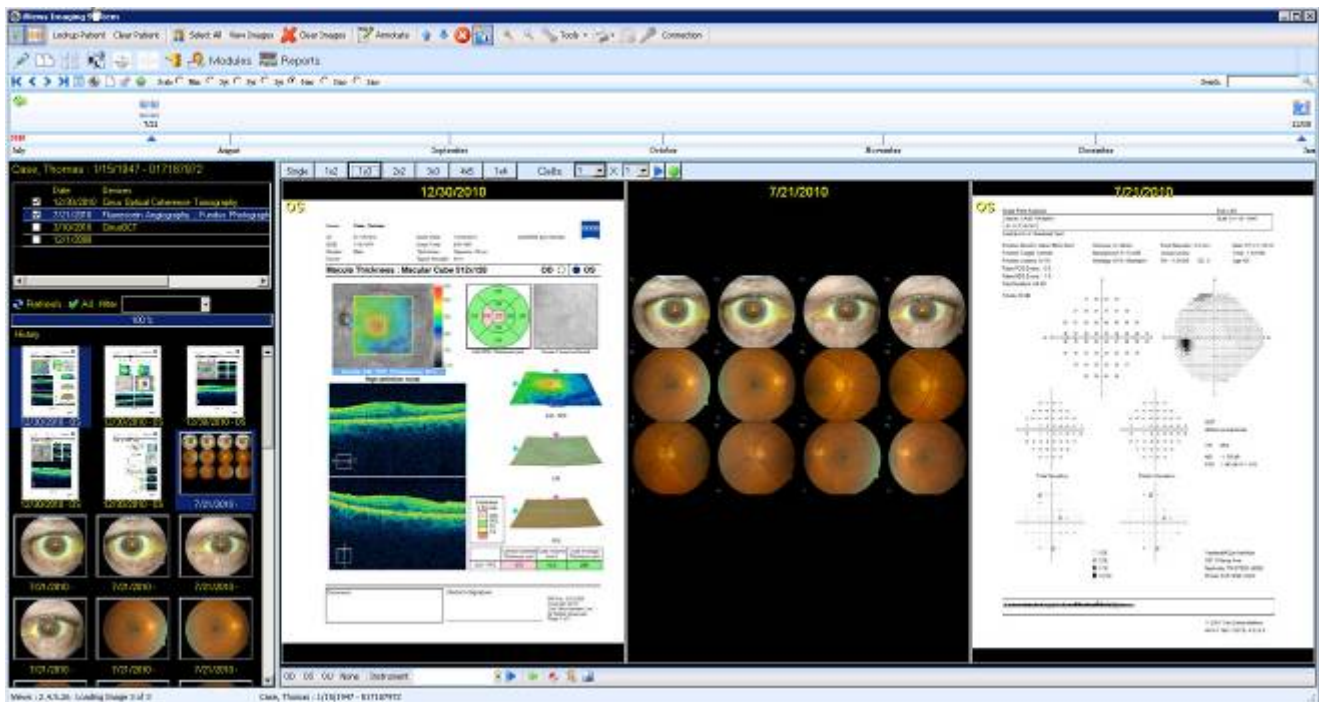
This option shows the viewer in the 3x3 mode.



Thumb nails selected

Image Viewing

This is another view of multiple images using the 1x3 option.



Thumb nails selected

Image Viewing

**Features:**

In the following pages you will find a short description of the following tools:

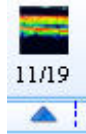
- Time Bar
- Instrument Database Connections
- Tools
- Report Printing
- Annotations

**Time Bar:**

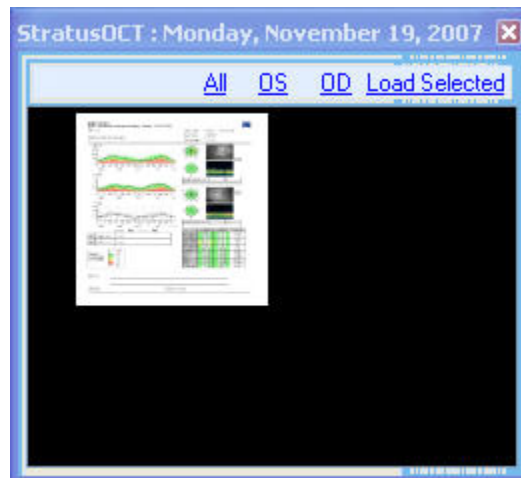


**The time bar displays a graphical representation of the patient’s exam/visit history. Features are:**

- Pop windows with exam dates and types
- Double click exam icon to load those specific reports/images for that visit

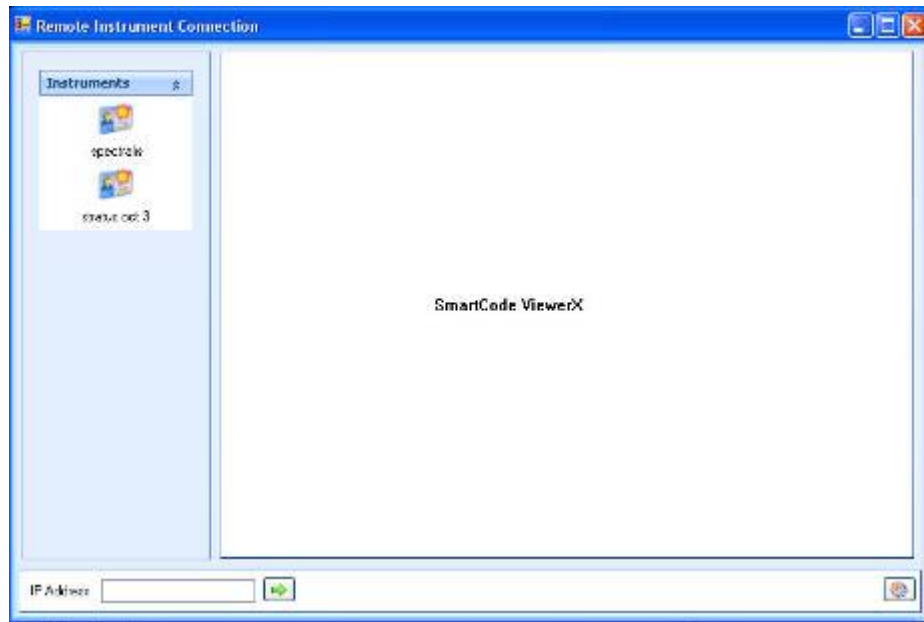


- Right click and select exam for a preview window of reports/images for that visit

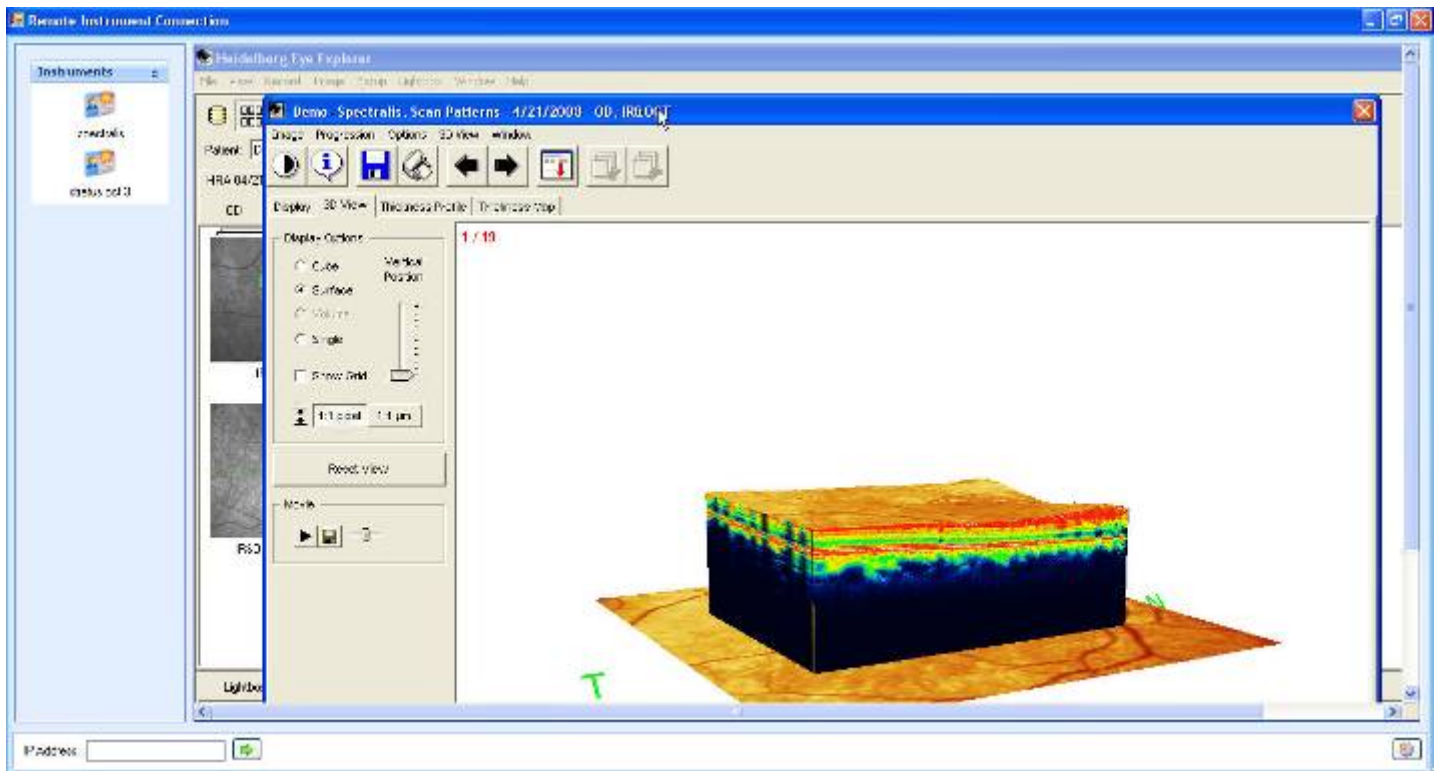


### Instrument Database Connections:

The connection button will open the following window. On the left side you will find the databases available by instrument.



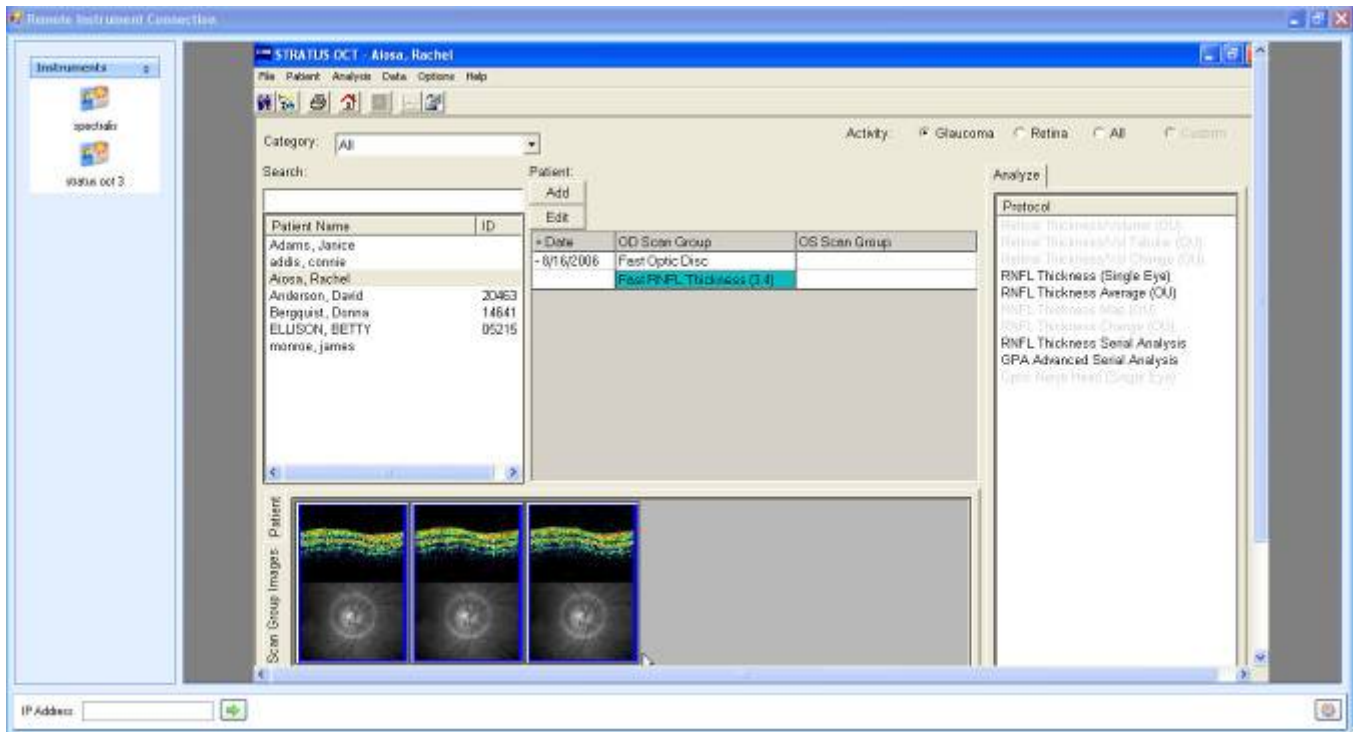
### Heidelberg Spectralis:



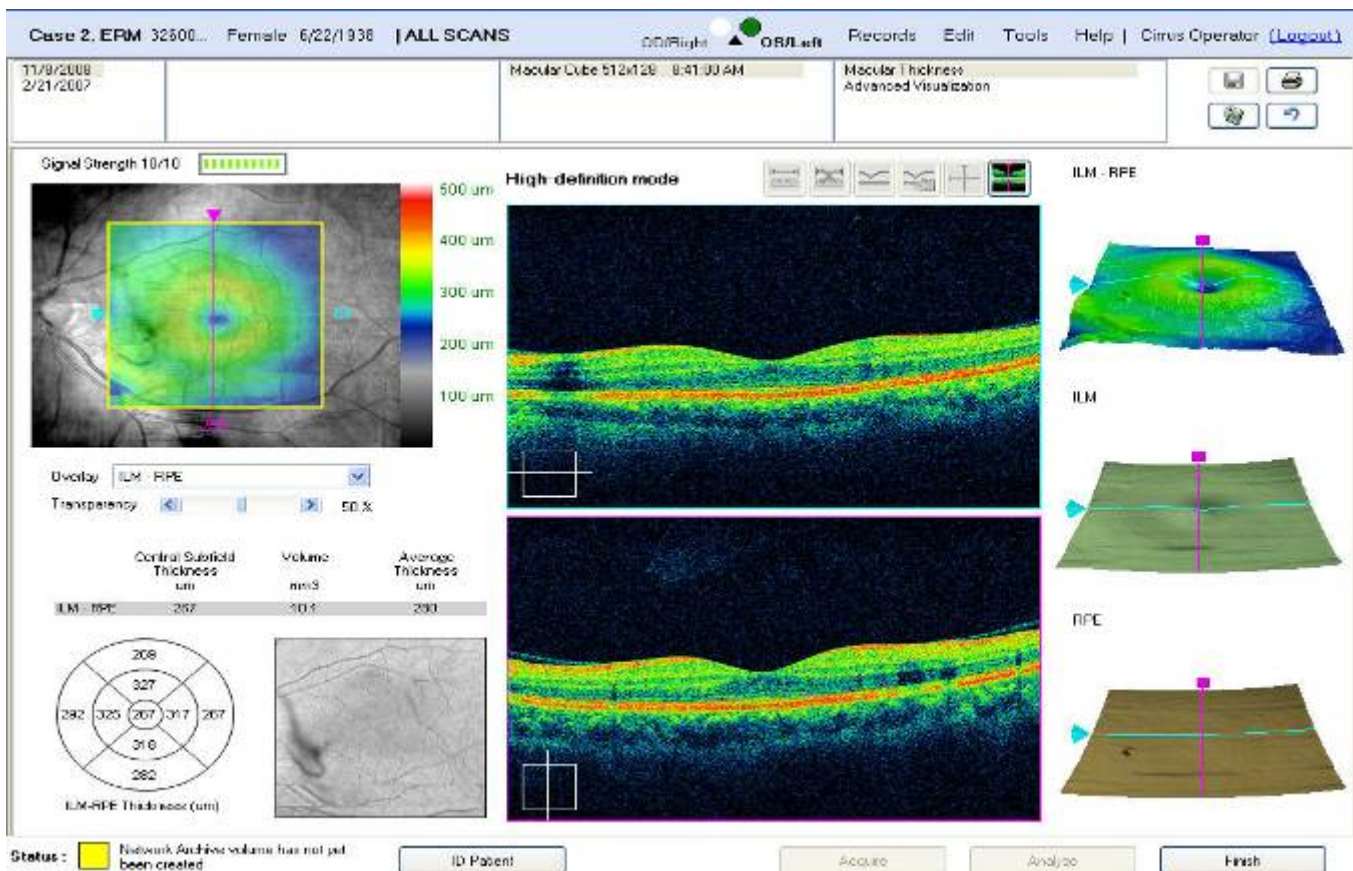


# iViews Imaging System

## Stratus OCT:

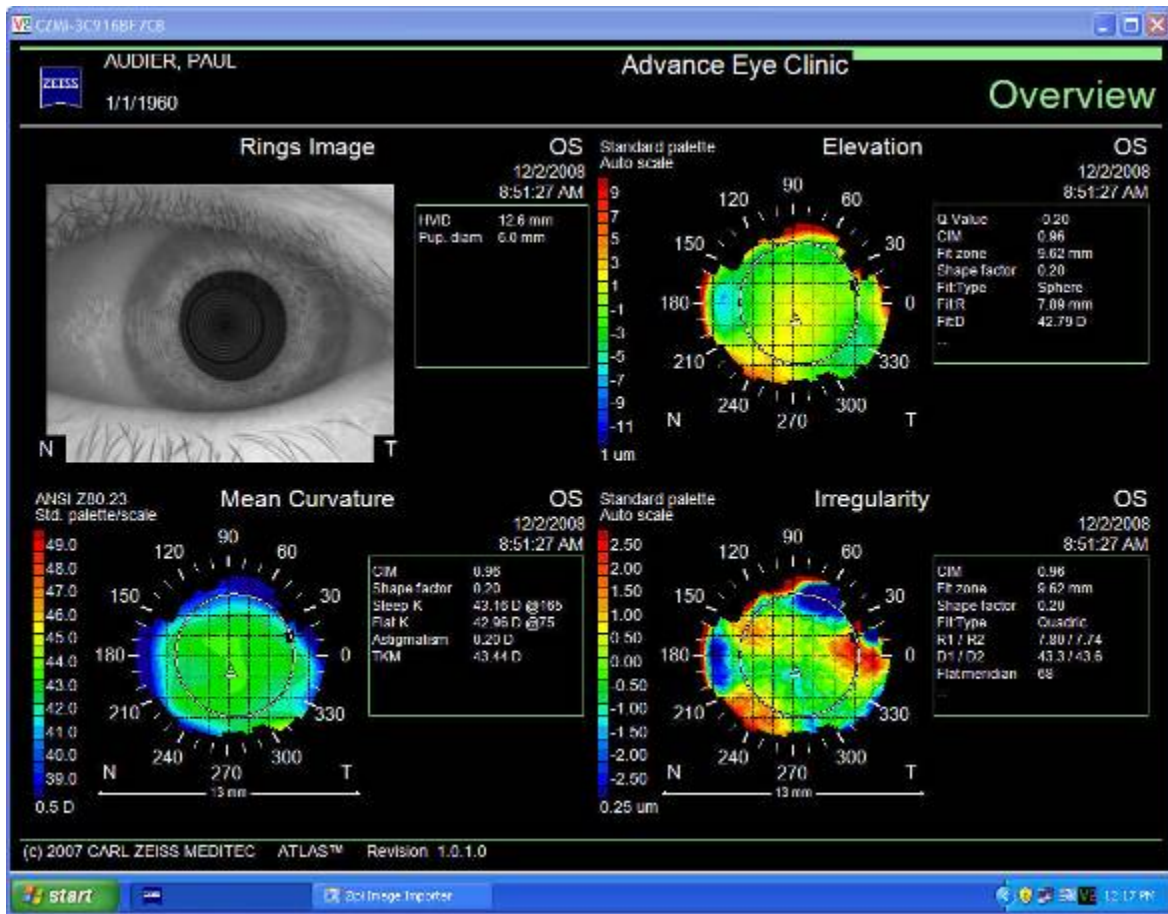


## Cirrus HD-OCT:

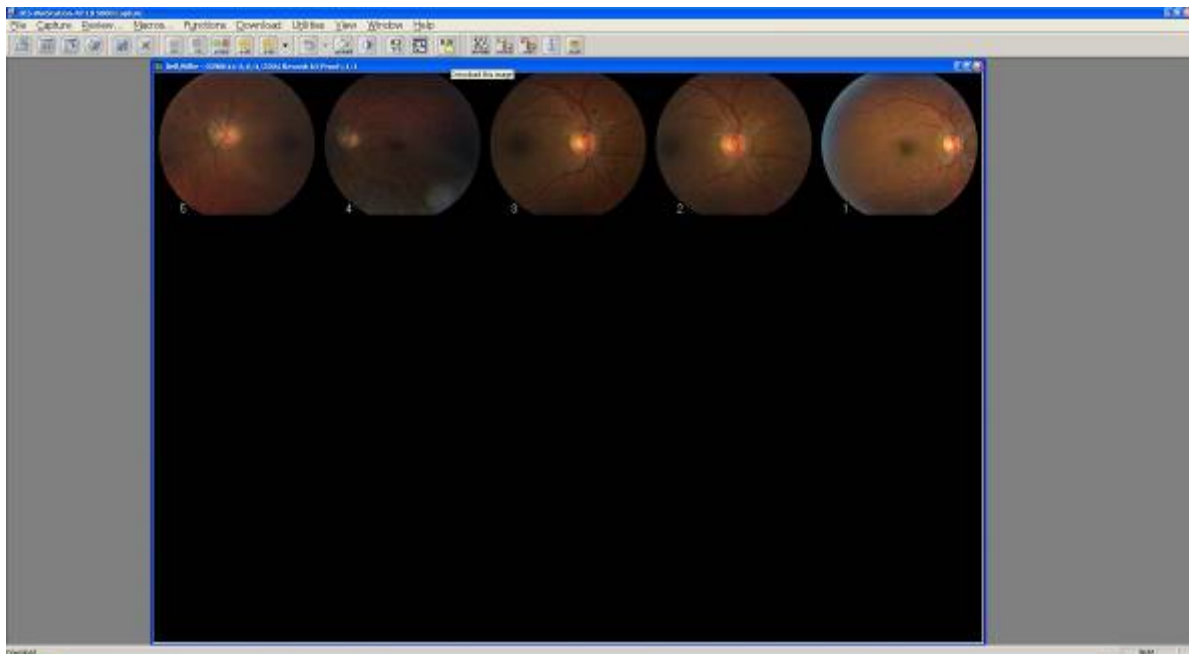


# iViews Imaging System

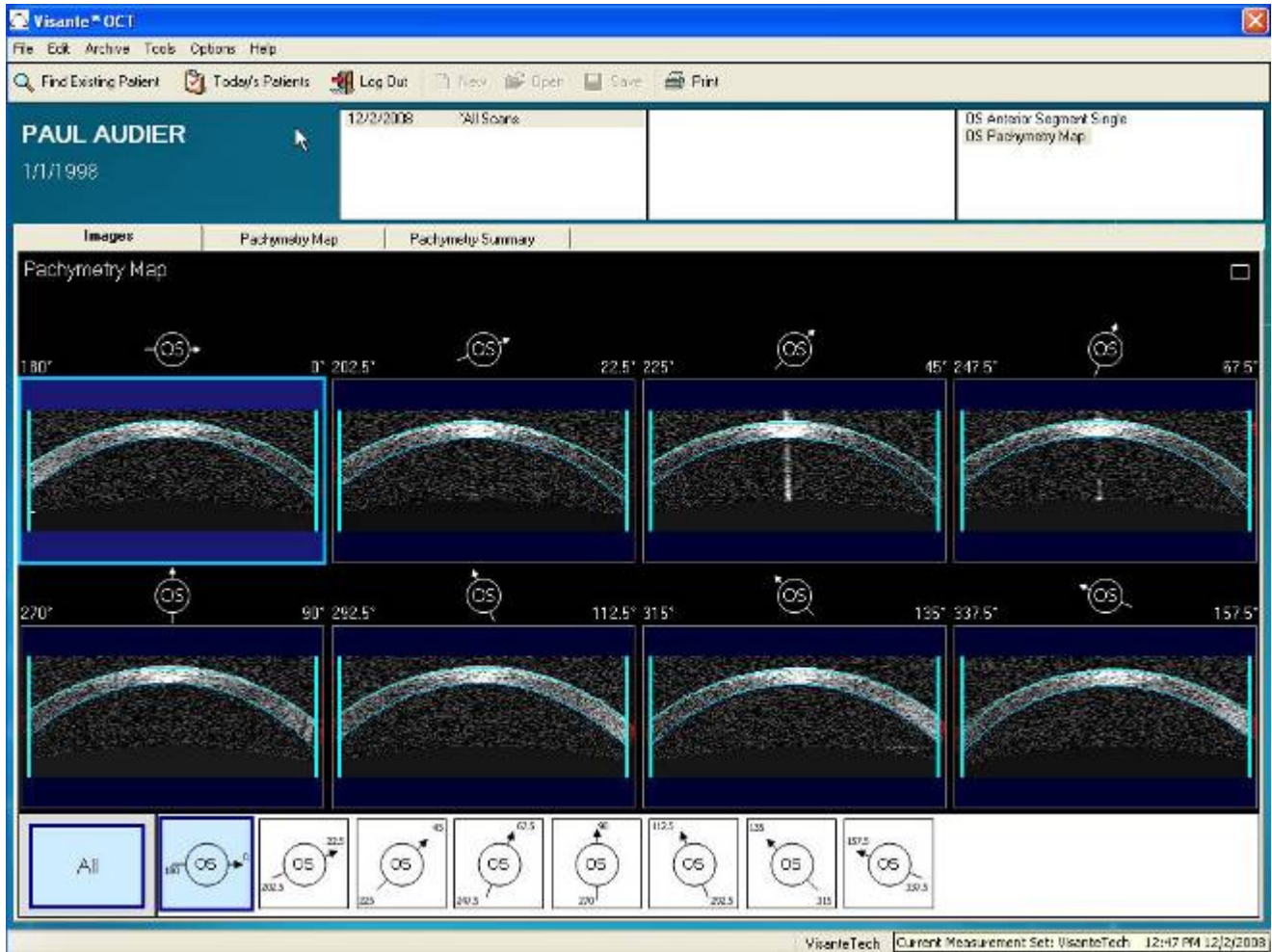
Atlas 9000:



## OIS Workstation

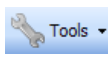


Visante OCT:



## Tool Button



Under the  button you will find the following features.

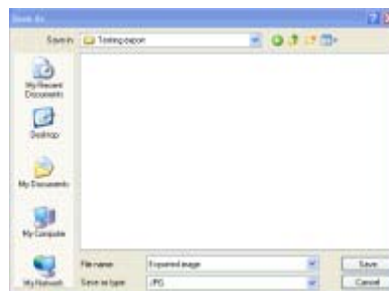
- **Brightness / Contrast** – This tool allows you to change the brightness and contrast of the image that you have selected
- **Invert Image** – This allows you to invert the image you have selected
- **Reverse Image** – Will reverse the image that you have selected
- **Rotate Clockwise** - Will rotate the image you have selected Clockwise
- **Rotate Counter Clockwise** – Will rotate the image that you have selected

-  **Export Image**


This allows you to Export the Image to a selected directory  
(This option will only export 1 image at a time)

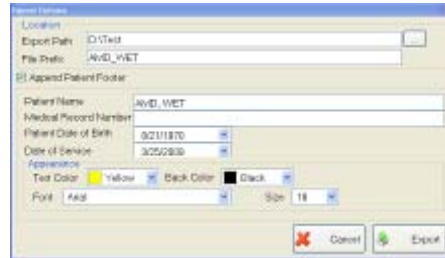
To use this option you will have to select the image you would like to export.

You will need to navigate to the directory where you would like to save the exported image.





-  **Export with Demographics**  
This allows you to Export multiple images at once to a selected directory.



**Export Path** can be changed by clicking the  and navigating to the folder of your choice.

**File Prefix** is the displayed folder name.


- Append Patient Footer** This option will allow a footer with the patients information to be placed on the images. The information that is placed in the fields below will appear on the footer. **If you have this checked please ensure that you place the correct information in the field.**

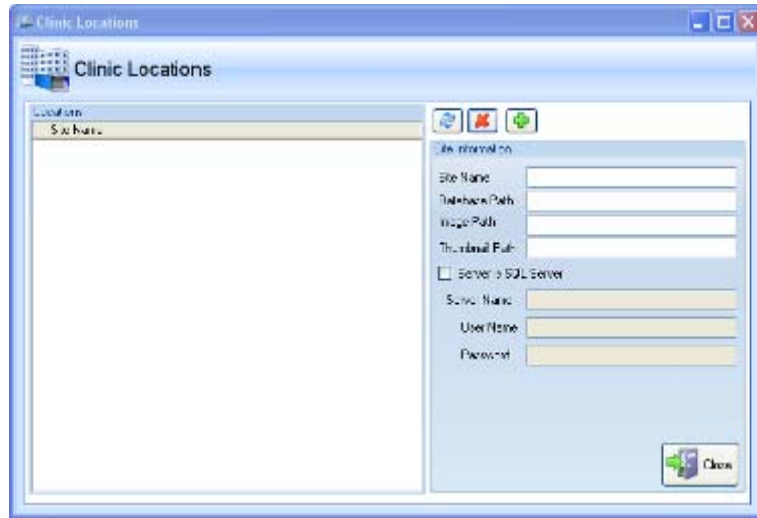
**Appearance** is the different changes that can be made to the footer.

-  **Data Management** **Data Management** - Allow you to access the Data Management Program. (This is an administrative feature)

-  **Establish Network Credentials**

This tool when configured for you network will reconnect your local workstation to the iViews server. When clicked a black box will appear then disappear reconnecting you to the iViews server.


-  Clinic Locations This will allow you to add multiple locations for you to view from the main patient lookup screen.



This screen will allow to add additional locations to you current iViews program. You will need to click the plus button and fill in the following information. Site name, Database Path, Image Path, and Thumbnails Path.

If you are using a SQL database you will need to check the  Server is SQL Server to allow you to fill in the fields Server Name, User Name, and Password.



The Printing button  will allow you to print the images four different ways.

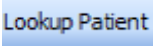
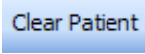
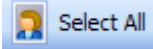
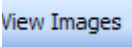
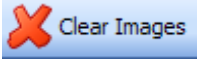
- **Print Current Images** Will print the current images selected

### The Following Print options will print the images in a report format

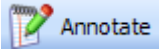








- **Single Report** Will print the selected images one on each page.
- **Two Per Page** Will print the selected images in a grid two to a page.
- **Four Per Page** Will print the selected images in a grid four to a page.
- **Nine Per Page** Will print the selected images in a grid nine to a page.
- **Sixteen Per Page** Will print the selected images in a grid sixteen to a page.

### Additional Features:









-  **Lookup Patient** Lookup Patient brings up the patient lookup screen when your in the Program.
-  **Clear Patient** Clear Patient allows you to clear out the patient your currently viewing.
-  **Select All** Select All allows you to select all the thumbnails.
-  **View Images** View Images button allows you to view the thumbnails selected in the image viewing window.
-  **Clear Images** Clear images button will allow you to clear images in viewing window.

## iViews Imaging System


-  Annotate This will start the Annotating program. This allows you to annotate on the image.
-  The up arrow allows you to move images up in your viewing grid.
-  The down arrow allows you to move images down in your viewing grid.
-  This button allows you to remove images from the grid that you no longer want to view.
-  Referring Physician
-  The push pin feature allows you to hide the thumbnails to view the image larger.
-  This button will allow you to remove/add the tags to the image. (The overlay that shows the date and eye can be removed)
-  This tool allows you to pan and zoom on your images. (Left click will zoom image / Right click will pan the image)
-  This tool allows you to magnify when you mouse over the image.




-  By pressing the tool (  ) you can hide or show the study selection tool. This tool is if you need to switch quickly between patients
-  This macro will display the last two exams
-  This is the Last Four Exams button. This will show you the last four exams that you have taken for that patient.
-  This Macro will display the imaging for all exams in an OD /OS filter.
-  These are examples of the customizable macros that can be created.




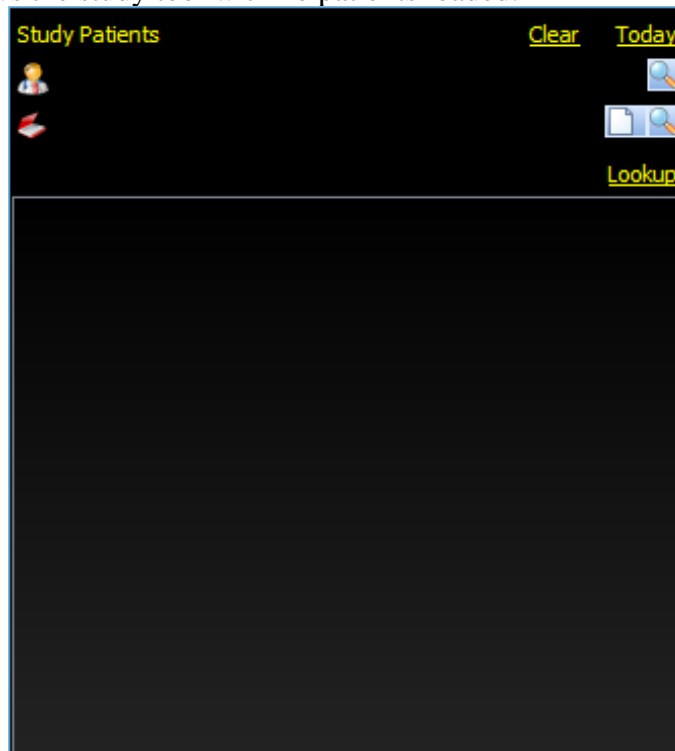
## iViews Imaging System

-  This is the report button that will display the report with all the information collected from Star panel.







Each image can have the tags removed from the display screen by selecting the tag removal icon  on the tool bar at the top of the screen. Once selected, the red image tags will no longer display as seen below.

### Study tool

By pressing the tool () you can hide or show the study selection tool. This tool is if you need to switch quickly between patients. The following shows the study tool with no patients loaded.



Explanation of options

Option	Description
<b>Clear</b>	Clears all the criteria and results
<b>Today</b>	Shows today's patients
 <b>Physician</b> - 	Displays the physician lookup dialog box.
 <b>Diagnosis</b> - 	Displays the diagnosis lookup dialog box.
 <b>Diagnosis</b> - 	Clears the diagnosis criteria only.
<b>Lookup</b>	Performs the lookup based upon the available search criteria