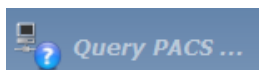# *Using SHOWCASE® Query/Retrieve*

The SHOWCASE® Connect module allows you to query DICOM servers (usually a PACS) for studies and retrieve selected studies to a computer running ShowCase with the Connect option enabled. This allows you to transfer images and structured report data (measurements) from the PACS to your clinic or laptop computer for diagnostic viewing or for making teaching/research files and PowerPoint presentations.

Note: You will first need to configure ShowCase Connect and your DICOM server to communicate with each other. Configuration instructions are described in a separate document.

If you are licensed to run the ShowCase Connect module and you have configured Query Nodes, you will see a Query PACS button at the top of your ShowCase Study Lists window. When you click on it, the Query/Retrieve dialog from the Connect module appears.

Node	MyPACS	
Patient	Smith	Study ID
Patient ID		Start Date ☑ 07/04/16

1. The **Node** should already be pointing to your PACS or usual study source. If you have multiple Query Nodes configured, click the down arrow to select from the list.

2. Enter the criteria you want to use for your query. You can ask the server to return a list filtered by patient name, patient ID (patient number), accession number, modality, study ID, or a study date range. Enter as many of the fields as you like. The query finds studies that match ALL the criteria entered. Do NOT fill in modality if you want both images and structured reports to transfer together. (Structured Reports have modality SR.)

3. Click on the **Query** button to generate a list of studies that match your criteria (see below). You can then click on one or more studies you wish to retrieve.
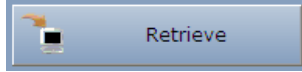
Query Complete				
Patient Name	Patient ID	Accession#	Modality	Study
☐ Smith,Jan	653-49-3928	1482911	IVUS	LAD Stenosis
☐ Smith, Vera	771-49-3928		US	Carotid
☐ Smith, Vera	771-49-3928		SR	Carotid

The status of your query is reported at the top of the study list, so you will know if an error occurred or no matching studies were found.
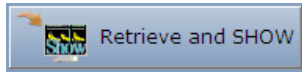
Query error			
Patient ID	Accession#	Modality	Study

4. Once the PACS returns the list of matching studies, you can select (check box) one or more studies in the list that you want to retrieve to your local computer.

5. Click on

     To transfer the selected series to your computer without showing the images during the transfer.
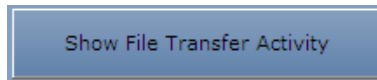
     To transfer the selected series and display it in a ShowCase window while the images are transferring.

6. The studies are transferred to the configured folder on your computer and will be included in the Study List for that folder.

7. If you click on **Retrieve and Show**, a ShowCase window comes forward on your screen and the images appear in the window as soon as they are written to your local disk.

8. If you want to view the images later, you can find them in the ShowCase Study Lists window in the "Network Images" folder (or folder as named in your set up). If the folder is not found on a study list tab, use the "Browse" button to find it.

Troubleshooting: If you want to monitor the file-by-file transfer of images to your machine, you can click the "Show File Transfer Activity" button in the Query/ Retrieve dialog to see the log of files written to your disk. This screen also gives you access to an error log that can help diagnose any problems that arise.

Note: You may want to delete transferred images from your NetworkImages folder when you are finished working with them to free up disk space and speed ShowCase performance. To delete images, go to the Study Lists window, NetworkImages tab. Then select any studies you are not using and click the ShowCase **Delete** button. This permanently deletes the data from your disk, so use **Delete** with care!

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