

## New in ShowCase 5

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ShowCase is blue now... The updated look of ShowCase reflects the big changes in the underlying technology of the 5.0 software. ShowCase software now uses Microsoft's '.Net application framework'. This will help ShowCase keep up with changes in the Windows Operating Systems and will make it quicker and easier to add new features to ShowCase in future releases.

### NEW FEATURES

**Measurement tools** (available in ShowCase Premier only) allow you to re-measure or off-line measure distances, areas and perimeters in your images. Line measurements can be made in 2D images and also ultrasound Doppler and M-Mode regions. Measurements made in ShowCase can be exported into text files or spreadsheets for transfer to other applications or documents.

**DICOM Structured Reports** (measurements and calculation data stored from ultrasound machines) are now displayed in easy to read structured report forms. Data can be viewed, printed to desktop printers or exported into text or spreadsheet files.

**Image Folders**- There is new support for storing images in multiple image folders. ShowCase now allows you to create directory files inside of designated folders and Copy or Save studies to these folder destinations.

**Licensing** has changed in ShowCase 5.0 to a more flexible system that allows license activation over the Internet. You can also purchase a portable license that resides on a flash drive. These portable flash drive licenses allow you to install ShowCase on several PCs in different locations that get used only one at a time. Take your flash drive license with you when you want to run on a different machine.

### IMPROVED FEATURES

DICOM network connectivity features are now available as a separate option called **SHOWCASE CONNECT** available with *either* ShowCase Basic or ShowCase Premier. **Connect** provides the same DICOM Store and DICOM Query/Retrieve features that were previously available only in 'Network ShowCase'.

A Query/Retrieve button is now available on the main Study Lists window for customers who use ShowCase to transfer studies from an image server.

Both ShowCase Basic and ShowCase Premier now include the PowerPoint export feature that allows users to display DICOM images on PowerPoint slides. (Used to be available in Power ShowCase)

All bug fixes and feature improvements made to the 4.x ShowCase software is included in the new 5.0 software. Our web site [www.triltech.com](http://www.triltech.com) details these changes.

Burn CD/DVD is now on a separate button to make it easier to find.

We continue to improve operation on Windows Vista machines.

### OTHER CHANGES YOU MAY WANT TO KNOW ABOUT

- The Browse Button now only browses to image folders. To browse to a single image file, use the File Menu option **Browse to a DICOM File**.
- Images cannot be rearranged using drag and drop. We hope to restore this ability in future releases.

## STRUCTURED REPORT (MEASUREMENT DATA) DISPLAYS

Measurements and calculations performed at newer ultrasound machines and other imaging equipment can be transferred in DICOM “Structured Report” format. ShowCase displays the data on tab-organized forms that have sections that expand and collapse to aid in data review.

Version 1, 12/19/2006, 12:44 PM, PARTIAL, UNVERIFIED

Patient X500, MULTIPLE REGIONS Prof. Sr. Date 12/19/2006 12:22  
Pt # MULTIPLE REGIONS Study cardiac

Patient Measurements Other

- Left Ventricle
  - Measurement Group
    - IVS d, 2D 6.9 mm 2D mode
    - LV d, 2D 12.2 mm 2D mode
    - LVPW d, 2D 8.4 mm 2D mode
    - IVS s, 2D 3.4 mm 2D mode
    - LV s, 2D 10.1 mm 2D mode
    - LVPW s, 2D 9.8 mm 2D mode
    - LV Vol d, Teich, 2D 3.5 ml 2D mode
    - LV Vol s, Teich 2D 2.1 ml 2D mode
    - LV SV, Teich, 2D 1.4 ml 2D mode
    - LV EF, Teich, 2D 39.23 % 2D mode
    - LV %FS, Teich, 2D 16.94 % 2D mode
    - LV SI, Teich, 2D 1.3 ml/m2 2D mode
    - LV IVRT 656 ms
  - Mitral Valve
    - Measurement Group
      - Amplitude E Wave MMode 72.2 mm M-Mode
      - Mitral Valve D-E Excursion 43.2 mm/s M-Mode
      - MV EPSS 41.0 mm M-Mode
      - MV EF slope 31.9 mm/s M-Mode
      - Mitral Valve EPSS, E wave 17.4 mm 2D mode

Heading

Collapsible sections

Data

Export to...  text file  data file

Export options

LV Vol s, Teich 2D 2.1 ml  
 LV SV, T  
 LV EF, T  
 LV %FS  
 LV SI, Teich, 2D 1.3 ml/m2

Left Ventricular End Systolic Volume 2.1 ml  
 Image Mode = 2D mode  
 Measurement Method = Teichholz

Tooltips give expanded information about each value.

As shown above, data is displayed in an abbreviated method on the form to make it easier to read quickly. If the abbreviated label is unclear or you want to see additional information about an individual measurement, hover over the measurement to display a tooltip with a more comprehensive display.

You can open and close a section of the data so that you can more easily focus on a section of interest.


You can use the **Export to...** feature to put all of the data into a text file or spreadsheet format to transfer to a 3<sup>rd</sup> party research database or report template.

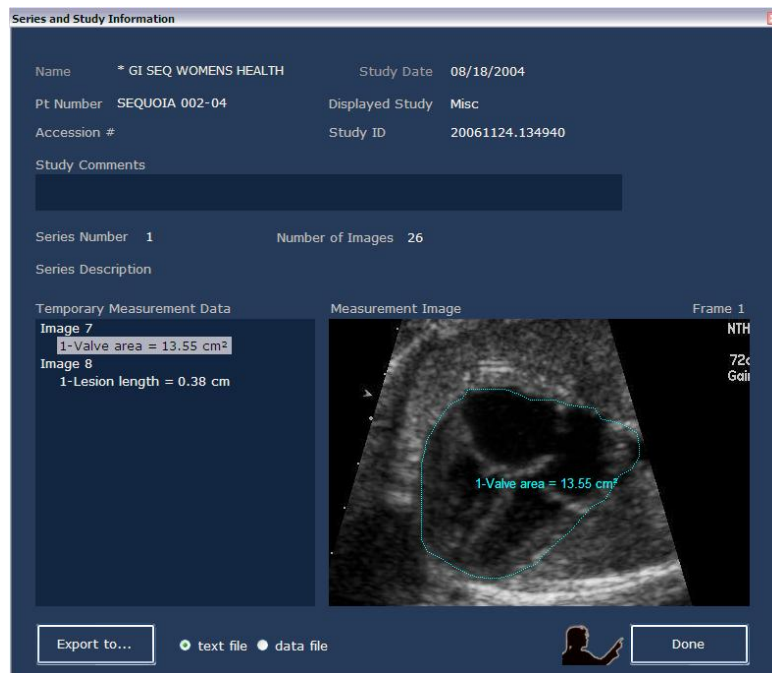
You can also use File, Print to print the data in the structured report to a desktop printer.

## MEASUREMENTS IN SHOWCASE (ShowCase Premier)

ShowCase now includes the ability to make simple measurements on an image. The measurements are temporary – They are not stored in structured report files or a database. To access the measurement tools double-click on an image or click the Edit button on the toolbar. The Edit Window in ShowCase Premier includes a **Measurements** tab.



To review or export the measurements you make in ShowCase, click on the Study Info button on the toolbar:  The information for the study now includes any measurements made.



Use the export button to save your measurements in a spreadsheet or text document.