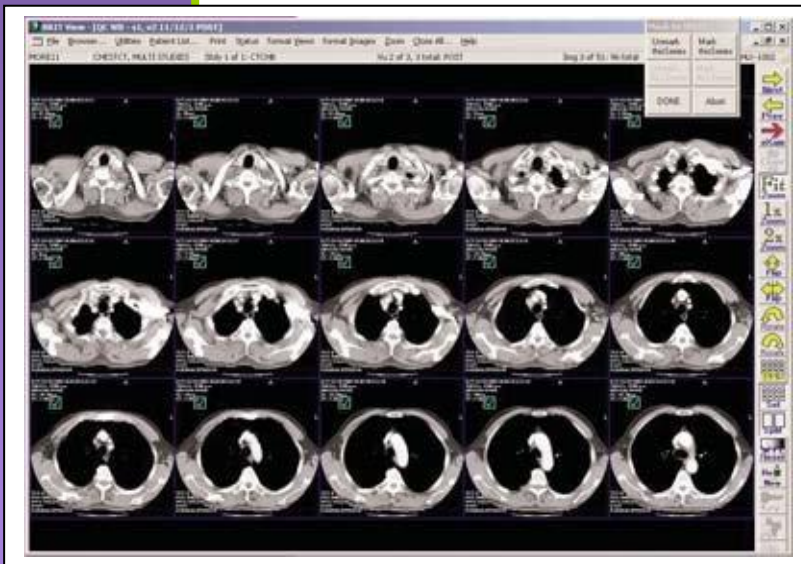


BRIT QC

The **BRIT QC**, a DICOM-based application that runs on a PC, is used to provide patient demographic and image data quality control functions within the PACS system. The BRIT QC provides a selection of easy-to-use tools for:

- Correcting patient demographic information manually or via selecting the right information from the DICOM Modality Worklist Client
- Correcting/Editing Exam/Series Information
- Rearranging images within series
- Dividing images into multiple series
- Combing multiple series into a single series
- Dividing a single exam into multiple exams



- Selecting or rejecting individual images
- Correcting orientation of images
- Adjustment of window and level settings
- The “Auto Attendant” feature is an automatic QC function for matching an exam with one from the DICOM Modality Worklist Client

The BRIT QC was developed to meet a very important system requirement: to have accurate patient demographic and image data enter the archive. In the past, tools have been provided to correct these problems at the archive. Although this method has been relatively effective, the misidentification of the patient can cause delays in the reading process by the radiologists due to the inability to locate the exam. This method also provides little incentive for the technologist to correct problems before they are introduced into the core PACS information and image database.

BRIT QC

During the QC process, images can be adjusted to provide correct orientation and enhanced window/level setting; images can be selectively deleted from an exam or moved from one exam to another. The delete function is used extensively with ultrasound studies. The BRIT QC also allows images to be rearranged within an exam series, or selectively divided into multiple series. This can provide correction of a deficiency in some digital modalities where a separate scout image series cannot be created, which creates problems in a DICOM workstation's ability to use the scout data. A single study can be divided into multiple studies for billing and reading purposes, such as when the modality produces a single study for a chest, abdomen and pelvis studies ordered separately. Studies can be split and reassigned to different patient IDs, if studies were combined by mistake at the modality.

Upon completion of the QC procedure, exams are stored to a DICOM server using DICOM Store SCU. The solutions can also be configured to support DICOM JPEG compression transfer syntaxes for those environments where the images must be transmitted across slow communication lines.

The BRIT QC can also provide DICOM Modality Worklist Client functionality to modalities lacking this support. At the BRIT QC, the demographic information coming from the modality is automatically rectified with the DICOM Modality Worklist server, if a good match is found.

When used with The Roentgen Files, the QC process can occur either before or after the study has been sent to the archive. For use with other vendor's PACS archives, the ability to delete and/or replace data after it arrives at the archive will vary. In these environments, it is recommended that the studies be sent from the modalities directly to the BRIT QC.

PRODUCT POSITIONING

Either The Roentgen Files or the BRIT QC can be used to correct patient name, ID, or accession numbers. The Roentgen Files must be used to change all the information in a patient's file (such as a name change) where as the BRIT QC can change it for a given exam. The BRIT QC must be used to change all parameters affecting images, such as window and leveling, image deletions and image reassignments between series and exams.

BRIT APPLICATION CO-LOCATION

The following BRIT applications can be co-located on the PC host running the BRIT QC (subject to performance limitations based on volume).

- BRIT Scan (Radiographic Film Digitizer)
- PACSView; front end for Roentgen Burner

For more information about BRIT QC, please visit our web site: www.brit.com or call us: (800) 230-PACS.

POWER REQUIREMENTS

Computer: 120 VAC, 60 Hz, (1A @ 1220V)

Monitor: 120 VAC, 60 Hz, (1A @ 1220V)

SPACE REQUIREMENTS

17"W x 18"D x 24"H

NOTE: Modality Worklist services require a Modality Worklist Server. - Computer power and space requirements are subject to change based upon the specific model utilized.