

STUDY MANAGER:

- Sort based on patient parameters
- Split a study/series NEW
- Merge studies/series NEW
- Send selected studies from the local database to remote node
- Display of reporting status for studies in the local database
- Identification of archived studies (offline) from the local archive NEW
- Instantly prepare report for selected study
- One click CD/DVD creation with multiple study selection

QUERY/RETRIEVE FUNCTIONS:

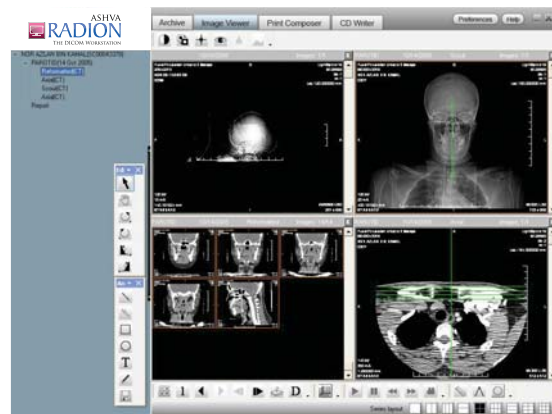
- Query from multiple servers or local archive
- Download selected studies in the background from a remote node to the local archive NEW
- Load DICOM and DICOM DIR files stored locally
- Predefined filters for easy access to required studies. Eg: All CR studies today, All Female Ultrasound studies, etc.
- Advanced search options based on name, ID, study range, modality etc.



IMAGING FUNCTIONS:

IMAGE DISPLAY FUNCTIONS:

- Drag and drop series for display of images
- Multiple viewing matrixes for comparison of multiple image series
- Series synchronization NEW
- Thumbnail preview for image series
- Display of scout lines
- Key images NEW
- View DICOM tags
- Select DICOM attributes that need to be displayed in the DICOM images
- Display images in ascending or descending order for ct/mr series
- Define image layout and overlay parameters based on modality
- Differentiation of single frame images and multi frame images display based on border thickness



ANNOTATION AND MEASUREMENT TOOLS:

- Annotation tools include line, arrow, rectangle, ellipse, text and free hand drawing.
- Linear and angular measurements

EXPORT FUNCTIONS:

- Export images as JPG, BMP, DICOM files or to PPT
- Save images in series as AVI file with compression

MULTI MONITOR SUPPORT AND HANGING PROTOCOL:

- Supports upto 6 monitors
- Configurable hanging protocol NEW
- Screen and viewport configuration NEW



IMAGE PROCESSING FUNCTIONS:

- Window level – manual and presets mode
- Zoom, pan, flip, rotate, invert image, ROI zoom
- Image sharpness and enhancement tool
- Image stitching NEW
- Digital subtraction angiography (DSA) NEW
- Image histogram
- Hounsfield value for CT images
- Hide/show DICOM overlays
- Customizable toolbar based on modality
- Save the presentation states
- Video processing tools

DICOM PRINT COMPOSER:

- Configure multiple DICOM printers
- Highly customizable image layout to include images from multiple patients
- Image processing tools in print composer include zoom, pan, window level & shutter
- Select film size and orientation (portrait or landscape)

CD/DVD WRITING FUNCTION:

- Burn CD/DVD with embedded viewer
- Burn multi patient CD/DVD
- Embedded viewer includes essential image processing tools
- Burn CD/DVD using Rimage or Primera or local CD/DVD writer (Optional)

DICOM ROUTER FUNCTIONS:

- Facility to route studies to different nodes based pre-defined rules
- Create rule condition for receiving images based on AE title, IP address, modality, duration, DICOM attribute, etc.

DICOM FUNCTIONS:

- DICOM operations supported include C-Echo, C-Get, C-Move, C-Find, C-Store
- Supports commonly used SOP classes

REPORTING FUNCTIONS:

- User defined customizable report templates
- Multiple report templates for each study
- Categorize reports based on study type NEW
- Multiple Versions of Reports for each study NEW
- Make reporting notes NEW
- Finalization of report to prevent further changes being made to it.
- Customizable report header to include center name, logo, address, etc.
- Print images using pre-defined layouts through Windows based printers.

STORE MANAGEMENT

- Apply compression at the time of receiving images based on modality – JPEG 2000, Jpeg lossless, JPEG lossy, etc.
- Facility to set modality based storage settings
- Facility to set the path for the volume and set it as a default volume
- Backup module NEW
- Schedule backup (archive and database) NEW

ADMINISTRATION MODULE:

- Configure AE title and port number for store server and query server.
- Create multiple users with different access rights (Doctor or Technician)
- Housekeeping module NEW
- Backup of Configuration settings NEW

System Requirements

- SQL database
- Pentium IV 2.8 GHz
- 1 GB RAM
- Network adapter
- 40GB of free Hard Disk space for software installation
- CD/DVD-RW Drive
- Standard network connection to DICOM nodes

Operating system Requirements:

- Windows XP Professional SP2
- Windows Vista compatible



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