

SOLUTION

Radiation Therapy & Oncology

Already in use at over 50 leading Cancers Centers in the United States, ImageGrid PACS-RT is the ideal and most cost-effective solution for managing the ever-growing volumes of images and data in Radiation Oncology.



Overview

Advancements in imaging technology drive the size of the studies for treatment planning, while additional scans for daily positioning verification significantly increase image volumes overall. ImageGrid PACS-RT offers a server-class system that provides access from virtually any location that is a flexible and scalable solution to keep increasing volumes of data and images readily accessible while your patients are under treatment.

Diagnostic Radiation Therapy & Oncology PACS Viewer

ImageGrid RT Viewer provides a fully integrated 2D/3D Radiation Therapy Viewer that enables oncologists to review, approve and sign-off on treatment plans from any workstation.

The ImageGrid RT Viewer also includes the following features:

- Dose rendering - including dose clouds, dose contours, dose histograms and beam(s) rendering
- Pan, rotate, mirror, and zoom
- Measurement tools
- Customizable per-modality annotations
- Cine tool with adjustable speed
- Reference (scout) lines
- Magnification glass
- Zoom synchronization



- Series Linking
- Customizable Hanging Protocols
 - Intelligent Hanging Protocol matching based on parameters like modality and body part
 - Highly customizable rule-based viewing
 - Sharing of Hanging Protocols between different users
 - Multi-monitor support
- 3D cursor localization tool
- MIP/MPR



Radiation Therapy & Oncology PACS Server

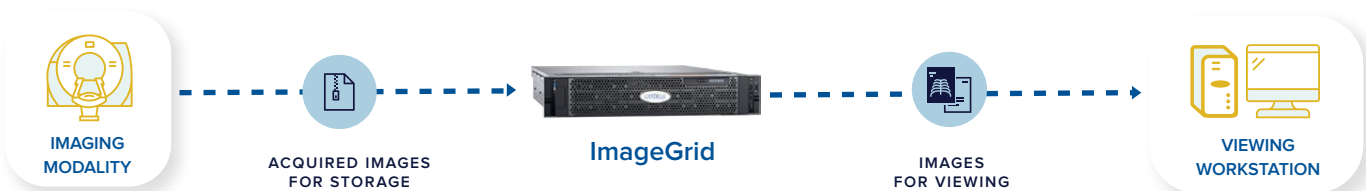
ImageGrid PACS-RT provides a deep archive from 1 to 100s of TBs to meet the data storage challenges in Radiation Oncology. The system is also scalable so it can grow with a centers increasing storage needs and offers centralized processing to provide all users the power of the professional server.

Fully Integrated Workflow

With ImageGrid PACS-RT, therapists, dosimetrists, physicists and oncologists have immediate access to data and images, resulting in optimized clinical performance and better patient care. Oncologists can seamlessly move between image and case review, using both portal images and 3D datasets. ImageGrid PACS-RT complies with the DICOM-RT standard and supports all DICOM-RT objects.

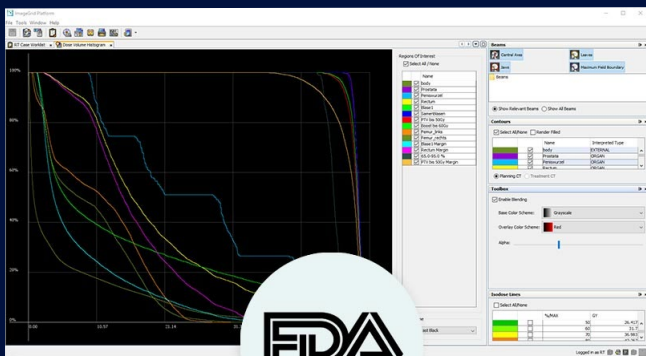
IMAGEGRID PACS-RT HELPS RADIOLOGY FACILITIES ADDRESS IMAGE MANAGEMENT REQUIREMENTS THROUGH:

- Automated/rules-based DICOM routing
- Automated/rules-based pre-fetching of relevant priors
- HL7 integration interface support to scheduling and RIS system
- Consistent cooperation with existing PACS systems
- Easy assimilation with reporting and tracking systems
- Caching and long-term archiving of studies



Efficiency Tools

The ImageGrid RT Viewer has received FDA 510(k) Clearance and offers a number of unique capabilities designed to streamline and simplify workflow:



- User-specific, automatically populated case worklists
- Worklist-based prefetching of relevant priors
- Roaming user preferences ensuring a consistent user experience irrespective of physical workstation location
- Dose rendering - including dose clouds, dose contours, dose histograms and beam(s) rendering
- Integrated case reports