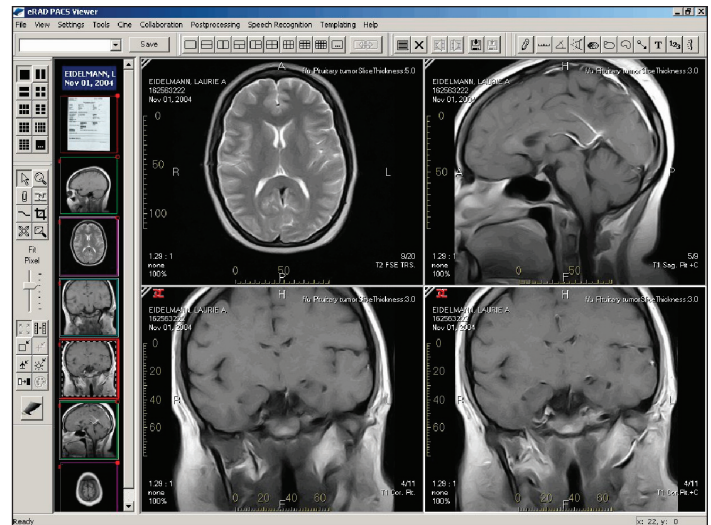


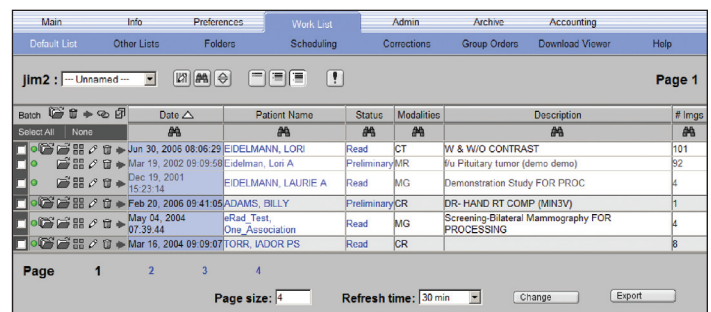
**eRAD PACS** is a flexible, standards-compliant, web-based, workflow management solution designed for centralized and distributed imaging environments. Consolidate all radiology exam information including images and reports from multiple systems into a centrally managed work list, accessible using off-the-shelf browser technology. eRAD PACS provides complete PACS functionality, including data acquisition, long-term storage, high availability, disaster recovery and advanced diagnostic viewing.

**eRAD PACS offers:**

- Optimum reliability and performance
- User friendly work lists with role-specific tools for performing event driven tasks
- Exceptional fault tolerance and disaster recovery solutions
- Leading edge security
- Simplified, on-demand expandability
- DICOM and HL7 support
- Reliable work list consolidation and event driven workflow
- Turn-key solution for high-volume sites
- Conditional archiving options across multiple storage facilities
- Customizable configuration, integrating multiple RIS, EMR, PACS and other systems
- eRAD PACS viewer capabilities with advanced imaging tools



*eRAD PACS Viewer*



*eRAD PACS Work List*

“We found it absolutely necessary to improve the efficiency of our operations after the Deficit Reduction Act was implemented. The decision to convert our modalities to digital and install the eRAD PACS allowed us to eliminate film and processor expenses, reduce labor costs and enhance communication with our referring physicians. We were extremely pleased that the digital conversion and eRAD PACS installation went very smoothly, on schedule, and did not interrupt any patient services. The transition was much easier than we anticipated.”

**Jan Greiwe – Chief Operating Officer  
The Imaging Center**

**Load Balancing** – eRAD PACS manages images, reports, documents and other information across a bank of hub servers, linked together through a consolidation server. The eRAD PACS hub servers balance the workload, increasing response time and system performance. They also simplify future expansion. Increase PACS data capacity or processing power at any time by appending additional data servers. This leaves the existing components unaffected, reducing down time during system upgrades.

**Affordability** – eRAD PACS provides these powerful capabilities, offering robust web-based PACS with low initial investment, reducing total cost of operations and increasing clinical and staff productivity.

**Customizable work lists** – eRAD PACS consolidated work list and workflow software ensures that the work gets to the right people at the right time, in the right location. Customized work lists provide users with current and relevant prior studies necessary for diagnosis. Work lists display relevant information in a configurable format.

**Expandable Storage** – eRAD PACS uses the latest in IP SAN technology for providing reliable, redundant storage. With numerous storage options, flexible expansion volumes, and the ability to locate redundant storage devices in remote locations, eRAD PACS supports countless archiving scenarios and offers HIPAA compliance.

**Site-Dependent Archiving** – eRAD PACS provides an option to independently archive data in each of the imaging facilities. Keep data from being commingled with another site's data, yet give users the benefit of having all the data available from a single worklist. Access to the data in each archive is protected by privileges managed by the system administrator.

**System Implementation** – With experience operating in vendor-neutral environments, eRAD PACS has fine tuned the process of implementing PACS in the most demanding environments. Flexible HL7 tools provide bi-directional communication with HIS, RIS, EMR, CPR/CPOE and practice management systems. The eRAD PACS configurable DICOM interface provides DICOM Modality Work list and DICOM Storage capabilities for a variety of modalities. An HTTP interface is available for simple integration with third-party systems, providing access to all the images, reports and other data stored in eRAD PACS.

**Security** – eRAD PACS uses existing LAN/WAN infrastructure to provide secure, enterprise-wide access to studies and reports from nearly any PC running a standard web browser. eRAD PACS ensures patient confidentiality using 128-bit, e-commerce level encryption, bi-level password authentication and rules-based user access down to the patient record level. eRAD PACS meets or exceeds HIPAA laws for information portability and security.

**Diagnostic Viewer** – eRAD PACS uses the eRAD PACS Viewer, providing full-fidelity image rendering capabilities, advanced imaging tools including MPR, 3D, image fusion and synchronized cine mode, and tools for diagnostic interpretation, report dictation, transcription, and speech recognition. Multiple users collaborate through a bi-directional session in which they interactively view and manipulate the same data. Preserve the presentation state after annotating, sizing and positioning clinically significant images by attaching them to the report as key images. The eRAD PACS Viewer provides a common interface and toolset, available from the radiology workstations, clinical workstations, web-based workstations, and from CDs distributed to referring physicians.

**Event Driven Workflow** – eRAD PACS has the event driven workflow tools to ensure consistent quality of services. Using eRAD PACS Event Actions, users set up custom events to notify themselves and others when a process needs their attention. eRAD PACS drives the workflow to completion, from studies waiting to be interpreted, to dictations needing transcription, to referring physicians downloading the approved report.

**Remote Facility Support** – Remote facilities are incorporated into eRAD PACS using eRAD PACS Send Servers. A Send Server guarantees delivery and provides a secure path from the remote facility to the main operations center.

**Data Redirection** – User requests are redirected to the eRAD PACS server that can most efficiently deliver the requested data to the user's workstation. eRAD PACS monitors the network speed between the server and workstation to optimize the delivery of the data, employing dynamic network packet sizing and bit-conserving compression when they improve the overall performance of the system.

**Expandability** – eRAD PACS allows you to start with what you need right now, and add capacity, incorporate new facilities, and upgrade aging equipment as your business matures. Expanding on an as-needed basis helps keep investment costs to a minimum.

**Security** – eRAD PACS uses existing LAN/WAN infrastructure to provide secure, enterprise-wide access to studies and reports from nearly any PC running a standard web browser. eRAD PACS ensures patient confidentiality using 128-bit, e-commerce level encryption, bi-level password authentication and rules-based user access down to the patient record level. eRAD PACS meets or exceeds HIPAA laws for information portability and security.

**Long-term storage** – An eRAD PACS archive offers life-of-study secure, on/off-site, long-term image archiving service with unlimited capacity and fast retrieval. Benefits include reductions in operating and maintenance expenses, file room management, and film distribution issues without requiring large capital expenditures.