![MANITeX - NEW DIMENSIONS IN HEALTH INFORMATICS]

NetRAAD - Product Overview
Integrated Medical Image Management

Efficient acquisition and easy access to the growing volume of information obtained during patient care is a key factor in providing quality services and outcomes in today's Health services.

Information produced via diagnostic imaging has always been the most difficult to acquire and distribute. For example X-rays, MRI's, etc. produce image data that requires special handling. The physician may have to request the X-ray film, which is delivered from the radiology department, or they may have to schedule time to use specialised viewing equipment. Consultations with other physicians can complicate the process of reviewing the image information.

All of this can impact on the ability to provide quality care in a timely and efficient manner.

NetRAAD provides the facilities that will allow a Healthcare provider to address these issues.

Features

- Includes imbedded PACS (Picture Archive Communication System) functionality, which is significantly enhanced by making the required information available on demand, independent of location and time.

- Provides a DICOM compliant image archive and management of DICOM worklists.

- Efficient Diagnosis via Radiologists Worklists, supporting a selection of industry standard Diagnostic Viewers e.g. eFilm, Osiris, customer preferred. Supports pre-fetching and pre-loading.

- Supports the efficient and secure storage of images in short-term, medium-term and long-term archives for Filmless Radiology. On-line, near-line and off-line storage is supported and managed.

- Stores any data that can be represented in electronic binary form. These can be static images (e.g. X-rays, CT, MRI), motion pictures (e.g. video of an operation), sounds (e.g. voice comments for the examination or image), etc.

- Information is offered to users via the hospitals Intranet, the Internet or a modem. allows the distribution of images to any location, which can be over the current Hospital network to existing desktop PC's. Standard image compression methods are supported and tailored to individual users network connection and image resolution needs.

- User access is via a platform independent WWW Browser e.g. Microsoft IE, Netscape. Security and encryption features allow access over the Internet.

- Allows access, search and view from multiple Image repositories.

- Can provide access to any digitised image supporting the DICOM standard. It can therefore work with an existing Image server or PACS system.

- Scanning of existing X-ray film via multiple scanning workstations is an option.

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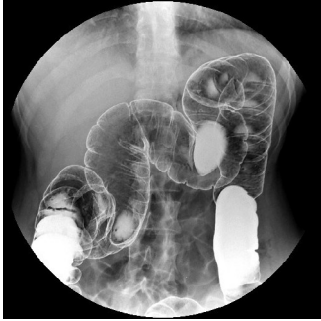
- Supports fast and reliable RAID Archive technology and Optical media archives, offering CD-ROM or DVD publishing/ jukeboxes.

- Provides a special educational (student) user group, which allows access to medical information for instructional purposes, but restricts access to patient's personal information.

- Optionally includes a fully functional Radiology Information System

- Provides multilevel protection of patient, examination and image data using its password and access rights system. Access rights define which users or groups of users can edit or view the data. User accounts and user groups are defined and maintained by the customer's system administrator.

- Once connected a valid user may search for and display patient examination and image data. All images are displayed in separate windows to allow for viewing multiple images and patient data simultaneously. This allows the patient's previous images or other patient's images to be viewed simultaneously for comparison.

- Supports Teleconferencing for the situation when the physician needs to consult with other specialists. Teleconference participants can watch images simultaneously and put mark-ups on them. They can also communicate via the text chat facility or voice conversations.

- Enables access to data stored in existing Hospital or Radiology information systems via industry standard integration mechanisms e.g. SQL, HL-7.

- Supports the notification of published images via E-mail or GSM short messages.

- Allows the recording of motion and still frames in Ultrasound and Endoscopy.

- Information is stored in the system based on a choice of standard SQL compliant relational databases.

- *NetRAAD* servers support Linux, Windows NT/2000 operating systems.

- *NetRAAD* clients run on Windows 2000, XP, NT, 98 and 95.

NetRAAD is a product of the UHC Corporation

Services and Documentation

- Operational Documentation
- Installation, Configuration & Interfaces
- Training of Systems Administration staff and users
- Post-Live Support
- Annual Support Service
- Additional services and consultancy available

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