

OVERVIEW OF THE RADIOLOGY INFORMATION SYSTEM

Purpose:

To provide an overview of the system configuration and functions it provides

System Configuration:

The RIS basic hardware and software composition is listed below.

- Server - COMPAQ ALPHA DS-20E Mainframe
- Workstations – DELL, 2.80GHz processor, 1GB RAM,
- Software - Microsoft Windows XP, Siemens Syngo v27.2.1, Word 2003, WRQ, Reflection for UNIX and OpenVMS
- Monitors - 15”, 17” and 19”
- Printers - HP LaserJet 4050N with barcode SIMMS
- Bar code label printers - INTERMEC Easy Coder PM4i printers
- Interfaces - OPENLINK interface, RIS-INVISION interface, RIS – LCR interface, RIS – DICTAPHONE interface, RIS – GE PACS interface, RIS ftp to Physician’s billing report
- Central Dictation System - DICTAPHONE DIGITAL EXPRESS 7700 80hr redundant. Telephone interface boards, audit trail printer, 1.4 DVA UPS, system management console with software, PS connexions dictatate stations, optic mics, open system integration module, MIS link II, DPS connection transcriber with back list display, foot controls, headsets.

Basic System Functions:

- Tracking Patient Procedures
- Monitor film checkouts and folder relocations
- Interface with INVISION, LCR, DICTAPHONE, PACS
- Utilization of a word processing system that would retrieve demographic information from the interface
- Statistical reporting

- On-line history archive of full results.
- Hospital Billing
- Physicians Billing
- Transcription of Radiology Results
- Radiologist Electronic Signature of results

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