Carestream

Vue Motion

UK & I Healthcare IT User Group
September 2014

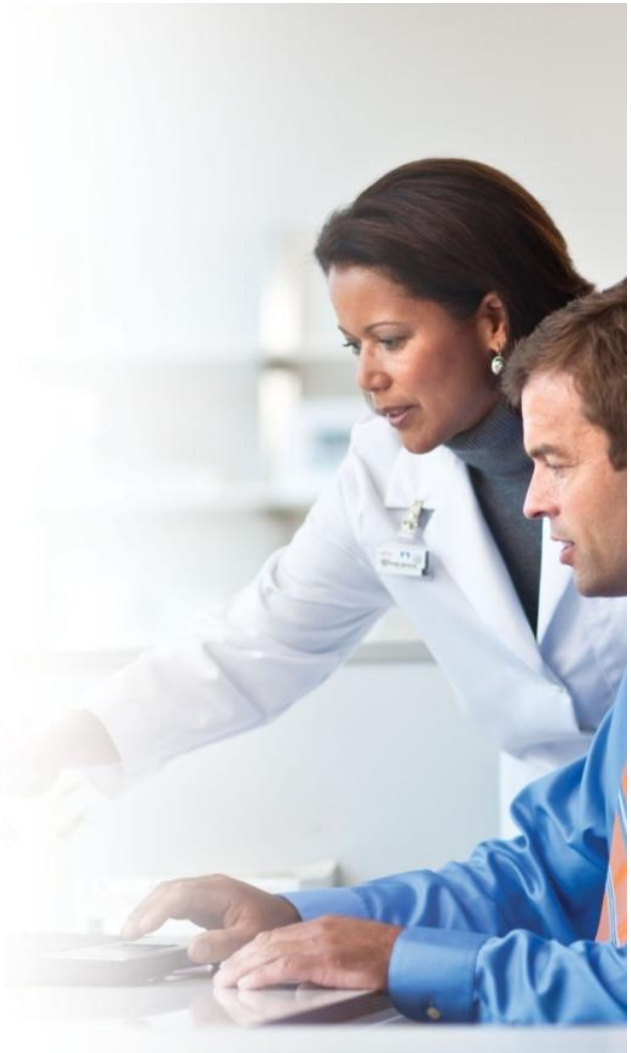
Enterprise Review and Collaboration

The Industry

- Ad-hoc and on-demand access to comprehensive patient records by referring physicians
- Consolidated results and image display as part of the EMR

The Need

- Speed and performance
- Simple, easy to adopt, intuitive design, requires no dedicated applications training



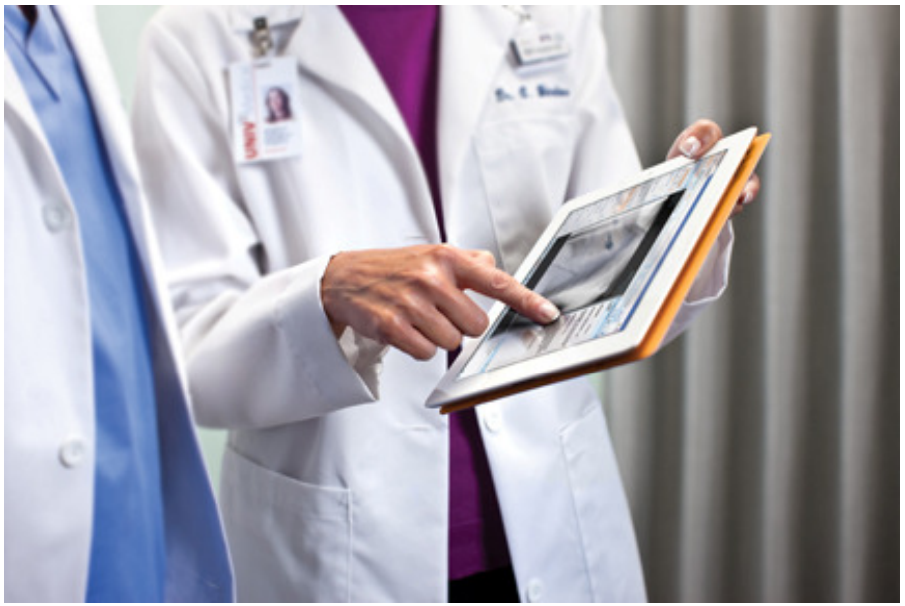
Introducing Vue Motion

Light

- Pure Web HTML5 technology to run on various OS and devices using only a Web browser
- Zero overhead, no installation required

Connected

- Independent or embedded within EMR or HIS, eliminating multiple logins
- LDAP and built-in auditing support ensure compliance with security and safety regulations



**Vue Motion is FDA cleared for iPad use.*

Integrated

- Intuitive user interface to view enterprise patient data, including: DICOM, non-DICOM and other supporting file types
- Access data from third-party PACS or any other DICOM archive
- Collaborate with other users using sticky notes and email messages with embedded links to the relevant studies

Benefits of Enterprise Access with Motion

On-demand and Ad-hoc

- Referring physicians can access enterprise imaging patient portfolios, including comparison of images, reports and other supporting data
- Enables real-time collaboration between clinical users

***Vue Motion is FDA cleared for iPad use.**

Simple to deploy and maintain

- Zero overhead for high-speed performance
- Latest enterprise-access technology without replacing your legacy PACS or archive

Easy to Use

- Simplify workflow as an independent viewer or embedded within EMR or HIS, eliminating multiple log-ins
- Intuitive user design doesn't require dedicated training

Clinical Data Access on Devices

Clinical application should be part of an enterprise security architecture that ensures confidentiality, data integrity and availability.

Additional considerations

- Compliance with government regulations (i.e. FDA)
- Personal device versus corporately issued
- Theft and data loss
- Data retained on device (ex. dedicated app) or centralized on server (ex. zero footprint)
- Physical security “screens”

Motion Implementation Options

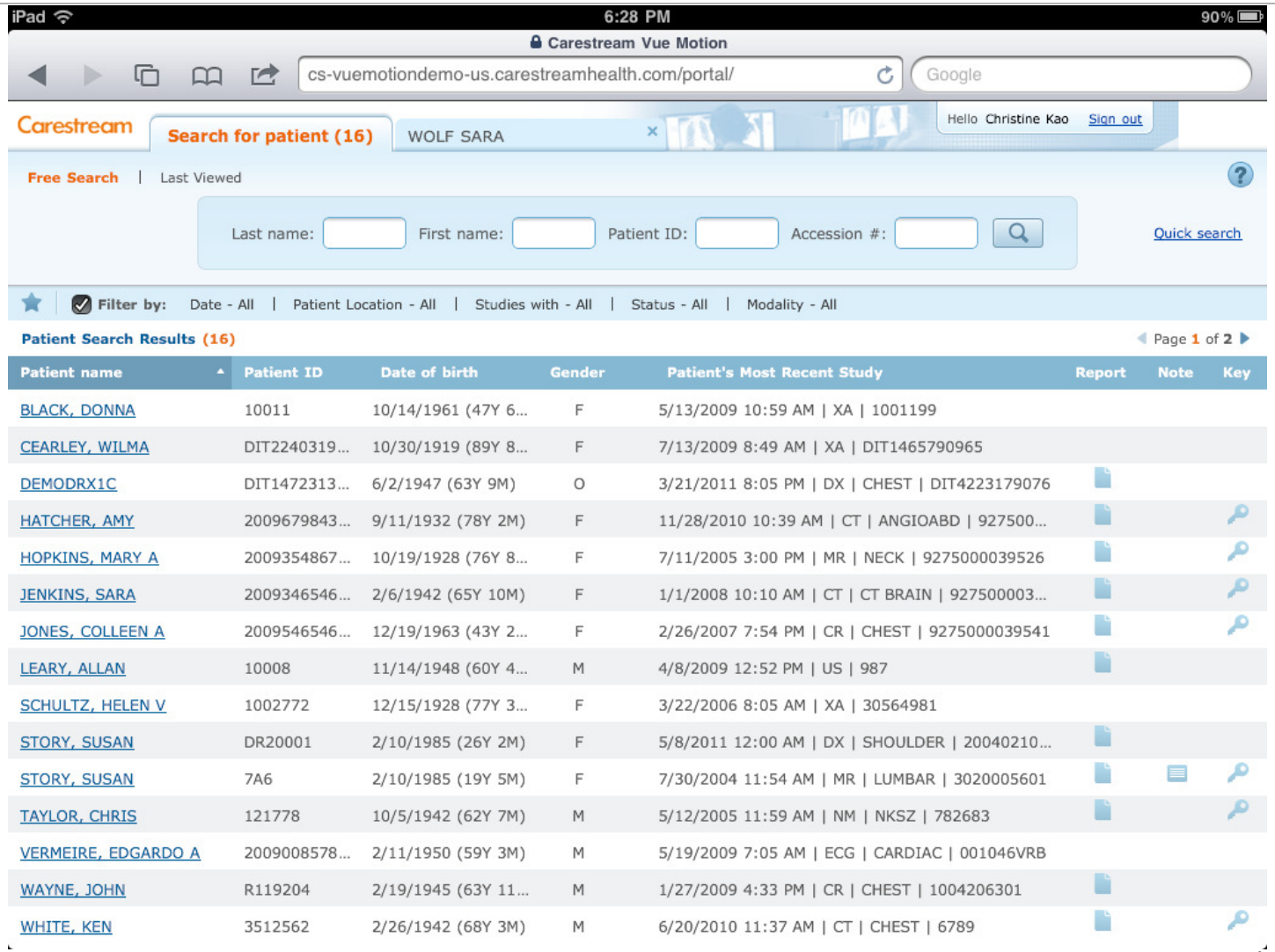
1. Vue Motion with CARESTREAM Vue PACS or Archive
   - Enterprise access and viewing as an independent viewer
   - DICOM, HL7 and other data types supported

2. Vue Motion with NON-CARESTREAM PACS or Archive
   - PACS- and archive-agnostic, local cache to improve performance
   - Complement legacy PACS with Motion as the universal enterprise-access viewer

3. Integrated Viewer with EMR or HIS
   - URL activation without separate login
   - Separate window launch or directly embedded inside application frame
   - Direct access through Web services

Home Page

Easy-to-Search, Privileged-Based Access



Patient name	Patient ID	Date of birth	Gender	Patient's Most Recent Study	Report	Note	Key
BLACK, DONNA	10011	10/14/1961 (47Y 6...	F	5/13/2009 10:59 AM | XA | 1001199			
CEARLEY, WILMA	DIT2240319...	10/30/1919 (89Y 8...	F	7/13/2009 8:49 AM | XA | DIT1465790965			
DEMODRX1C	DIT1472313...	6/2/1947 (63Y 9M)	O	3/21/2011 8:05 PM | DX | CHEST | DIT4223179076			
HATCHER, AMY	2009679843...	9/11/1932 (78Y 2M)	F	11/28/2010 10:39 AM | CT | ANGIOABD | 927500...			
HOPKINS, MARY A	2009354867...	10/19/1928 (76Y 8...	F	7/11/2005 3:00 PM | MR | NECK | 9275000039526			
JENKINS, SARA	2009346546...	2/6/1942 (65Y 10M)	F	1/1/2008 10:10 AM | CT | CT BRAIN | 927500003...			
JONES, COLLEEN A	2009546546...	12/19/1963 (43Y 2...	F	2/26/2007 7:54 PM | CR | CHEST | 9275000039541			
LEARY, ALLAN	10008	11/14/1948 (60Y 4...	M	4/8/2009 12:52 PM | US | 987			
SCHULTZ, HELEN V	1002772	12/15/1928 (77Y 3...	F	3/22/2006 8:05 AM | XA | 30564981			
STORY, SUSAN	DR20001	2/10/1985 (26Y 2M)	F	5/8/2011 12:00 AM | DX | SHOULDER | 20040210...			
STORY, SUSAN	7A6	2/10/1985 (19Y 5M)	F	7/30/2004 11:54 AM | MR | LUMBAR | 3020005601			
TAYLOR, CHRIS	121778	10/5/1942 (62Y 7M)	M	5/12/2005 11:59 AM | NM | NKSZ | 782683			
VERMEIRE, EDGARDO A	2009008578...	2/11/1950 (59Y 3M)	M	5/19/2009 7:05 AM | ECG | CARDIAC | 001046VRB			
WAYNE, JOHN	R119204	2/19/1945 (63Y 11...	M	1/27/2009 4:33 PM | CR | CHEST | 1004206301			
WHITE, KEN	3512562	2/26/1942 (68Y 3M)	M	6/20/2010 11:37 AM | CT | CHEST | 6789			

Access to Full Patient History

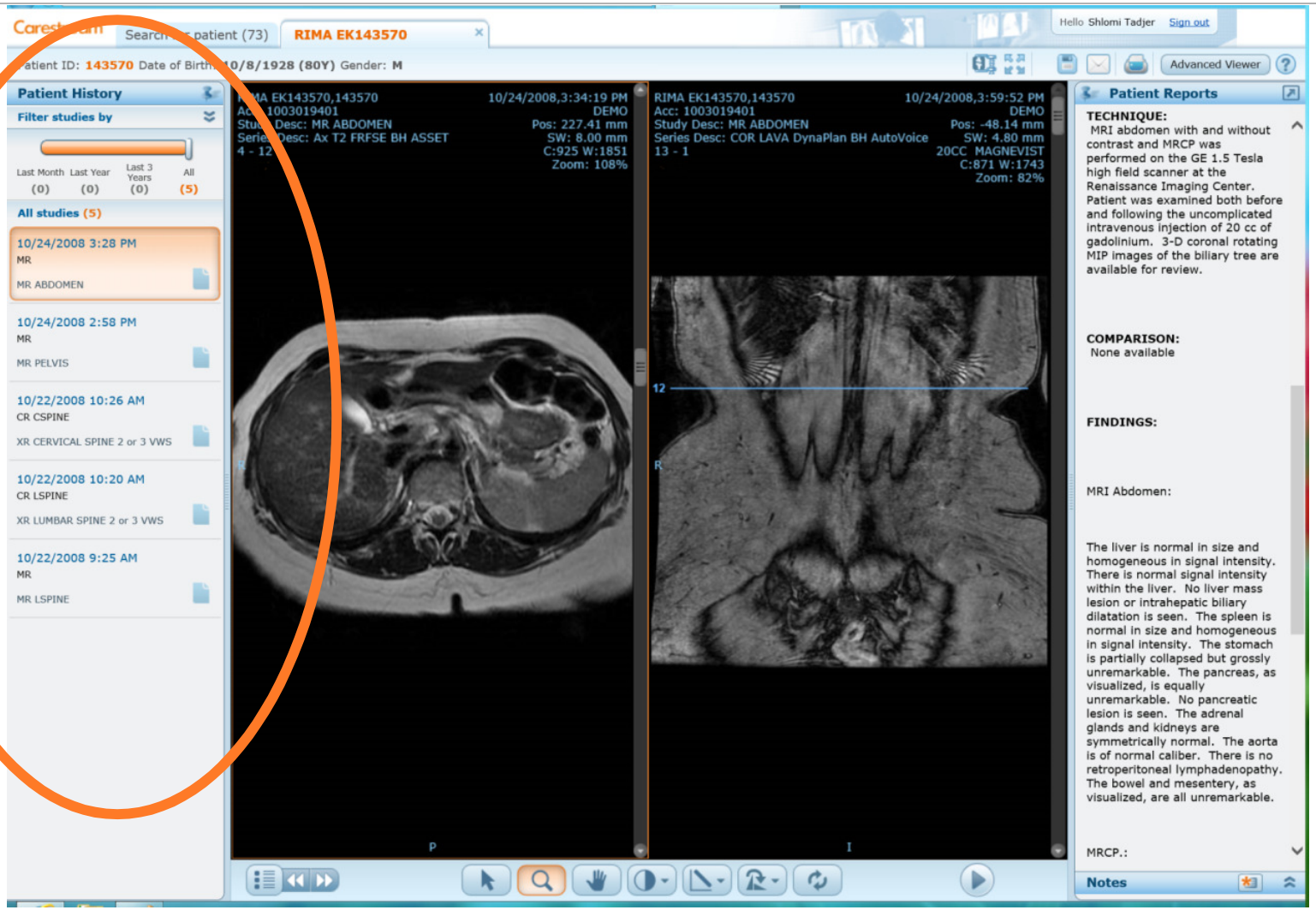


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Image Review

Reports and Notes

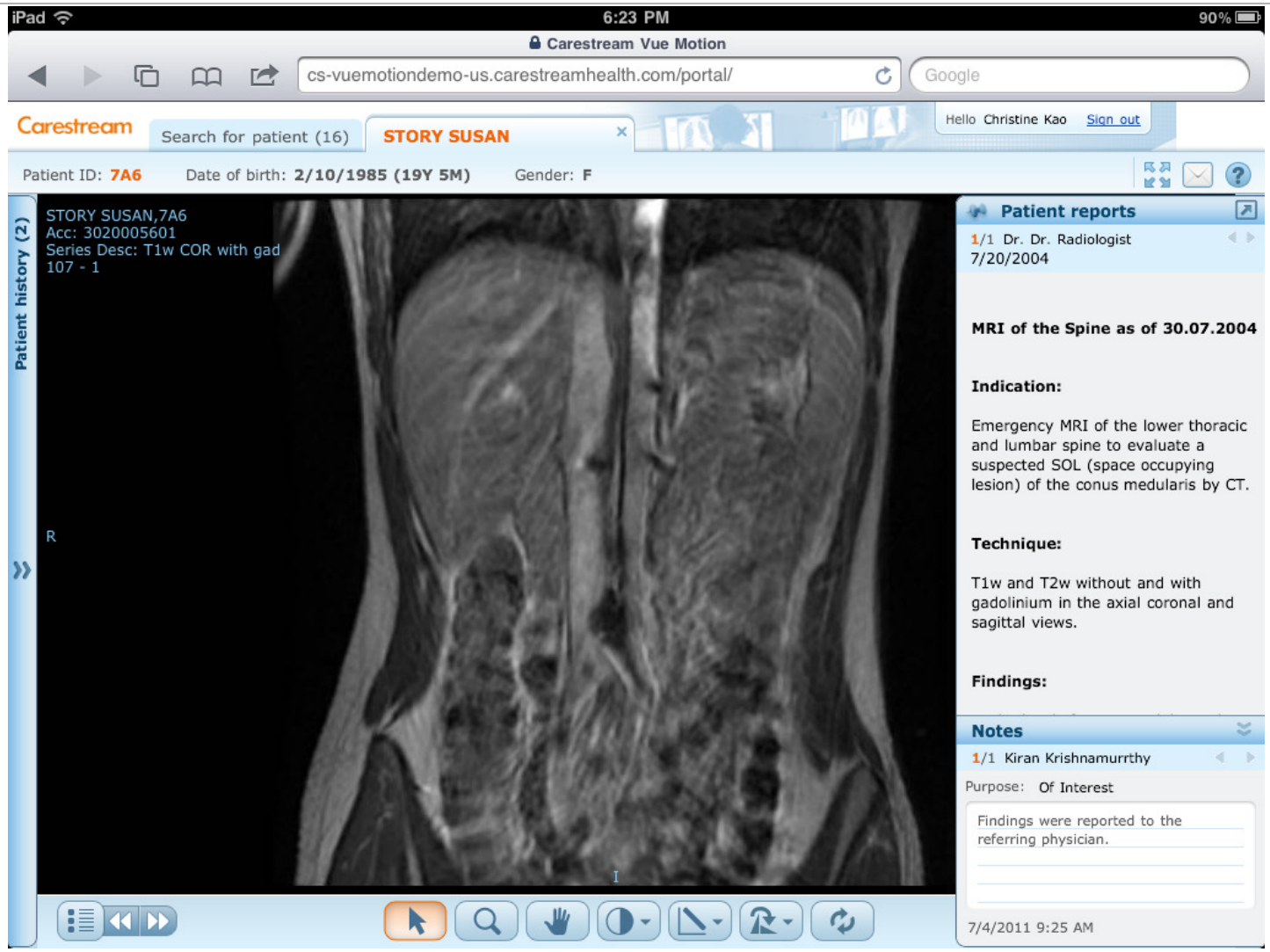

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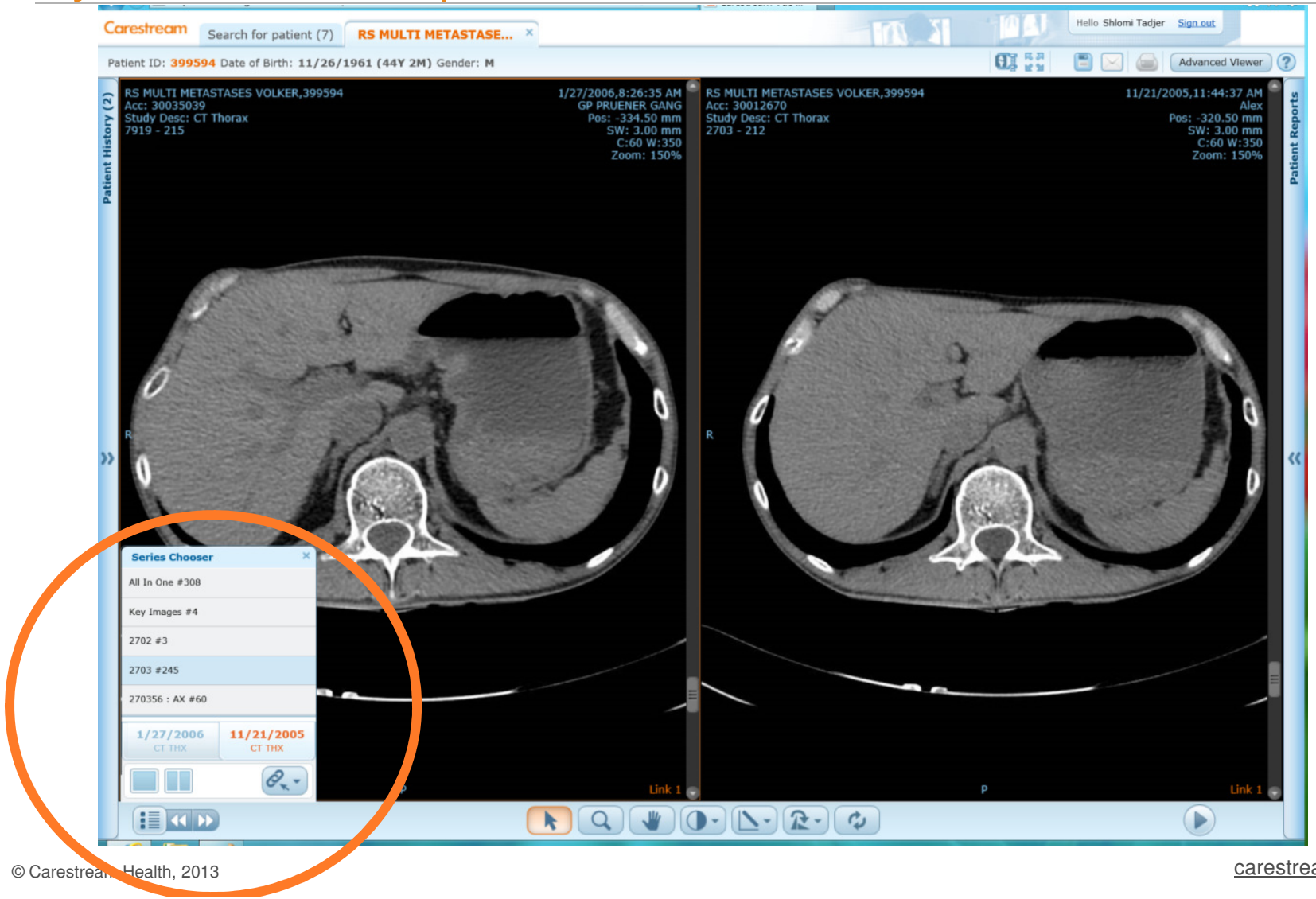
Image Review

Access to All Series and Key Images, and the Ability to Synchronize Multiple Series, Even from Different Datasets



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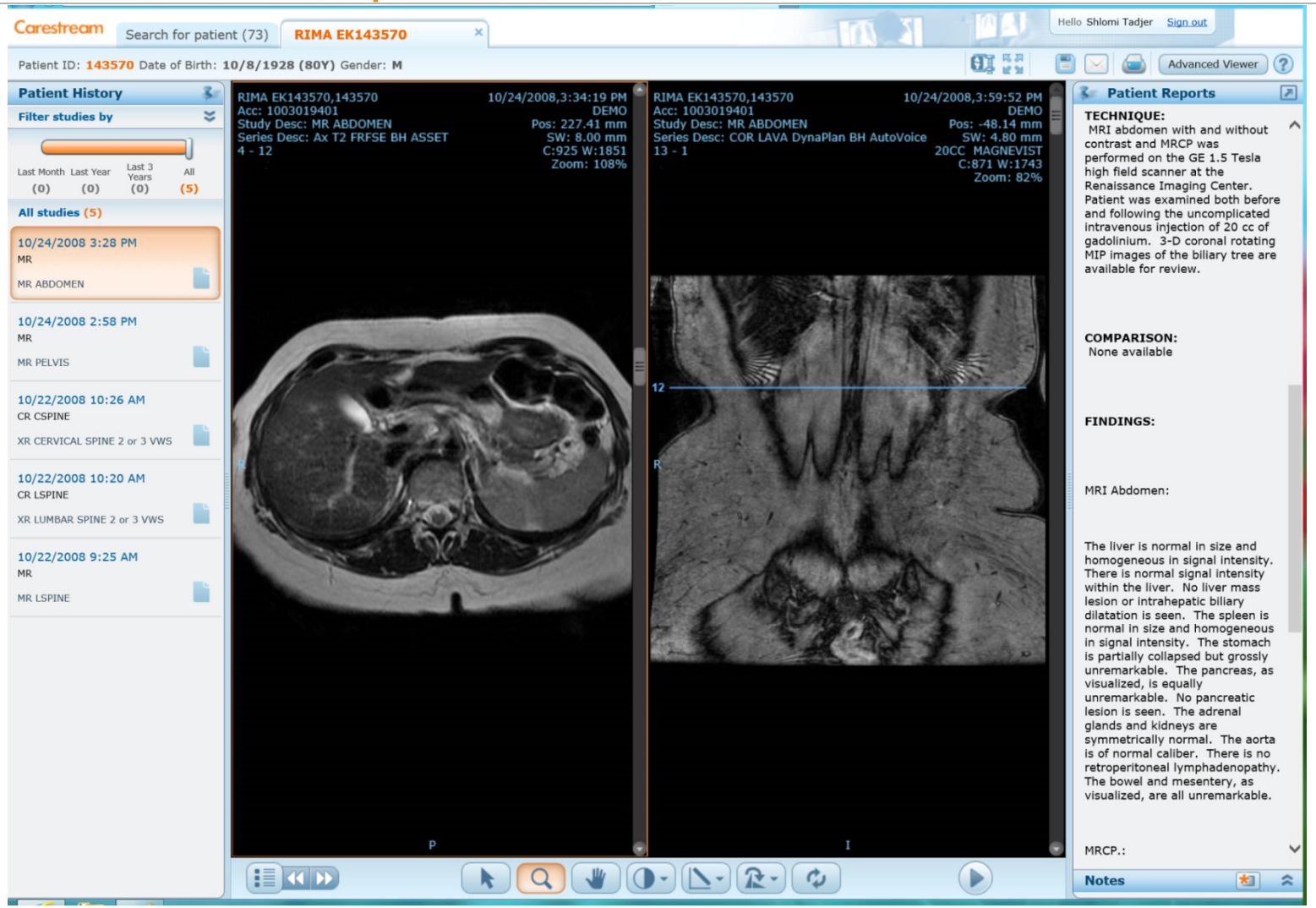

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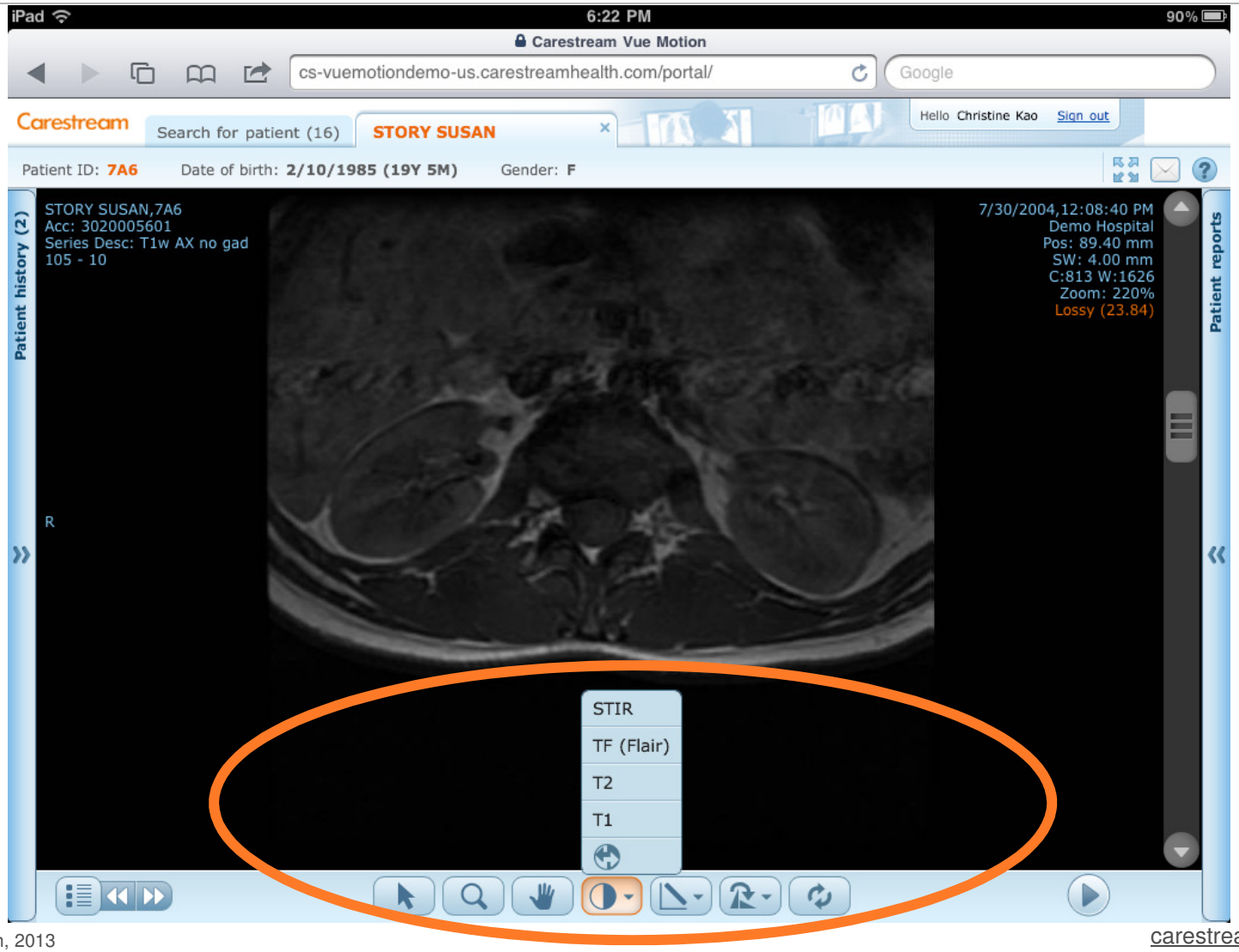
Intuitive Tools Include Smart W/L Presets
(Modality-Based)



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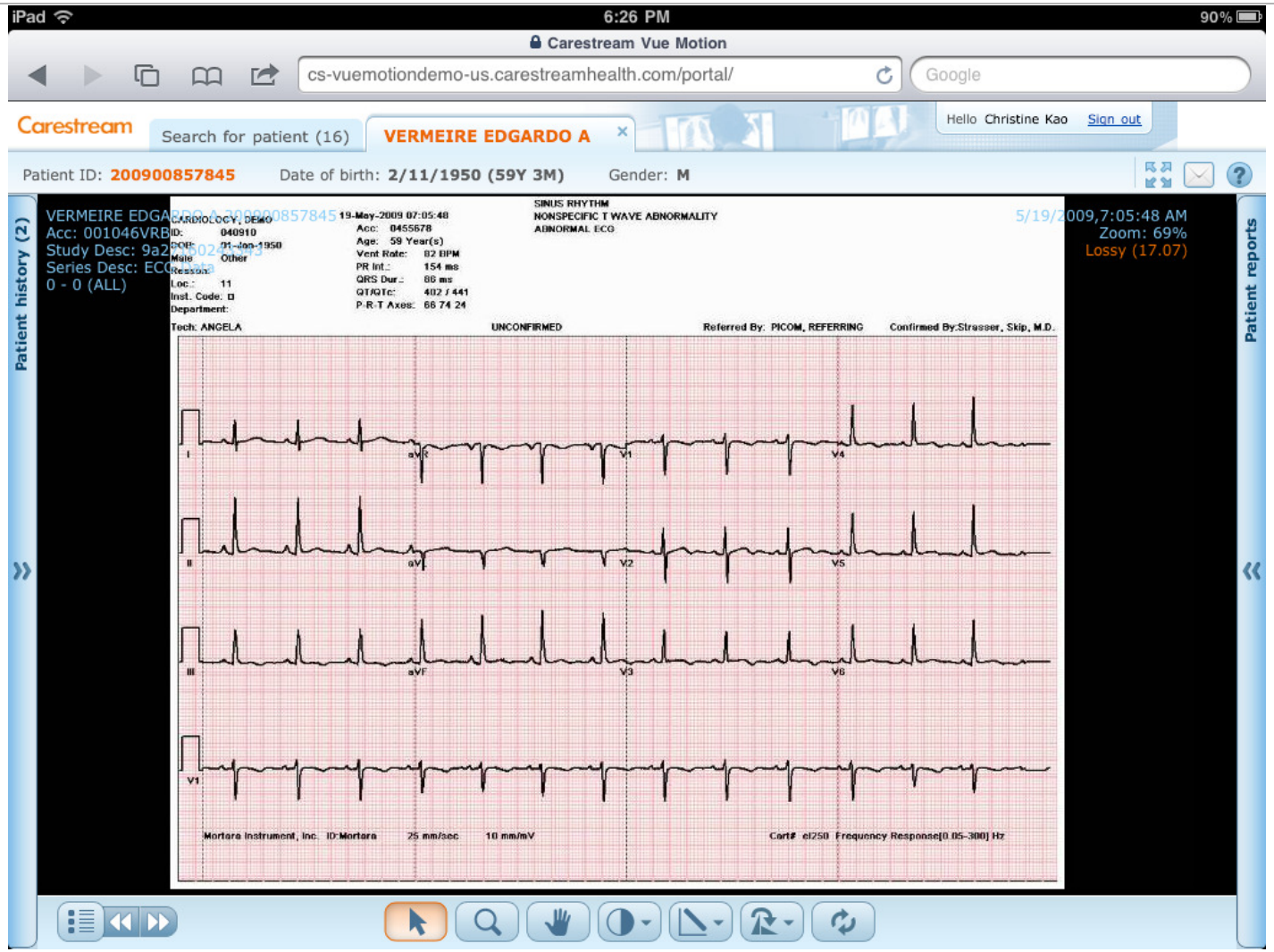
Access to non-DICOM Data



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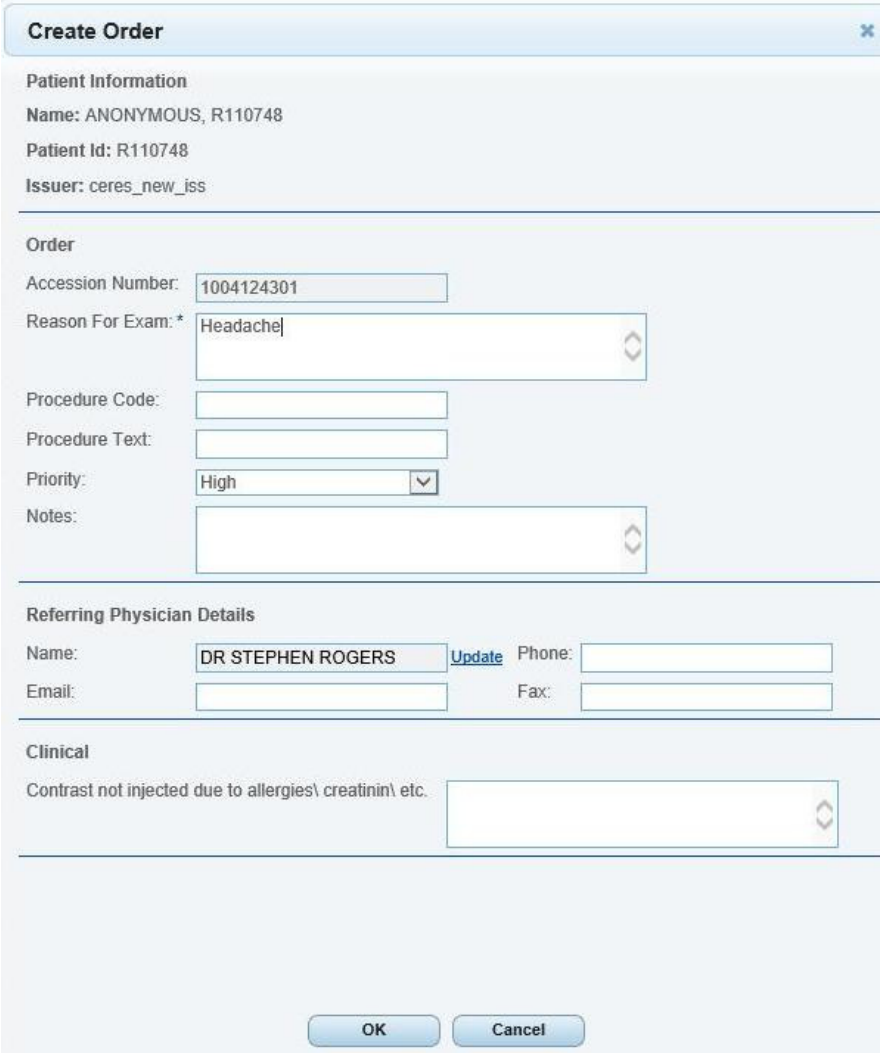
Order Add-On for Referring Physicians

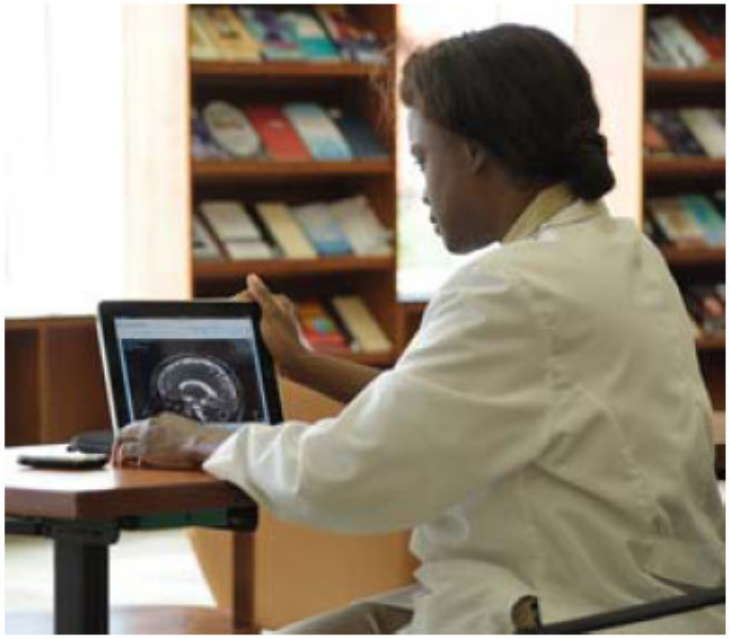
Convenient Collaboration

- Referring physicians can add order-related information to the exam—for added convenience within a teleradiology environment
- Information is kept within PACS and available to radiologists for reference
- Eliminates the need for manual communication, such as fax, email, multiple phone calls, etc.



National Institute Of Health Use Case

New radiology viewer lets users securely access patient scans anywhere, anytime



With the new picture archive and communication system "lite viewer" Jacquin Jones, a research nurse coordinator in Radiology and Imaging Sciences, can take patient scans wherever there is a high-speed internet connection, even to the NIH Library for reference during research.

Clinical Center Radiology and Imaging Sciences is using an innovative new system that allows users to access scans anywhere there is a high-speed Internet connection.

The new picture archive and communication system (PACS) "lite viewer" allows users to access any patient image, anywhere, anytime, said Dr. David Bluemke, Radiology and Imaging Sciences director.

A sort of mobile viewing room, the system is designed to work with any browser-enabled device, especially portable wireless devices or tablets. The system is fast, portable, and user-friendly, allowing users to take images with them to meetings, conferences, or even to the library for reference during research. Users can search for data by patient name and open and view scans without being tied down to a desktop system, enabling efficient communication between physicians, radiologists, and patients.

The system is easy to navigate and can display massive amounts of patient image data very quickly. "Image PACS systems have previously been designed for expert radiologists, but we know that patient care occurs at the bedside, in the conference room, or clinic," said Bluemke. "We need to make NIH patient data available wherever our researchers are and whenever then need it."

Physicians and researchers can access patient images using their NIH username and login at: http://intranet.cc.nih.gov/radiology/pacslite.html.

New Features in V12

- **Comparison tools:**
  - Registration
  - Add priors directly from Bookmarks
- **Enhanced layout:**
  - Up to 2x2
- **3D capabilities:**
  - MPR
  - MIP
  - VOLR
- **Bookmarks:**
  - See and access bookmarks
  - Live hyperlinks in reports

Comparison Tools

- **What it is:**
  - Multi-layout (2x2)
  - Registration
  - Easily add priors
  - Add priors via bookmarks

- **What it means:**
  - Powerful tool – not “just” a viewer
  - Orthopedic surgeons can view MR studies
  - Can be a diagnostic tool (FDA approved on PC)

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