Candelis Case Study

Candelis's Medical Informatics Platform allows RAPA to Offer the Highest Level of Health Care with a Time-Efficient Solution

"Choosing a Candelis system was one of the best decisions we made to increase our time efficiency."

- Joe Vick, IT Department Administrator at RAPA.

Location
Little Rock, AR,

Services
- Workflow/Visualization/Image and Object Management

Key Business Challenges
- Prefetching Prowess

- Fast routing capabilities

- Seamless integration of software application and image management system

- Timely and secure sharing of medical study objects

- Seamless integration of software application and image management

The Situation

Radiology Associates, P.A., (RAPA) located in Little Rock, AR is a private radiology Group with 1 Multimodality Imaging Center and 3 Breast Centers. RAPA provides patients in Arkansas with a wide range of diagnostic and treatment services, coupled with highly skilled physicians trained in virtually all radiological disciplines. Available treatment technologies include x-ray, magnetic resonance imaging (MRI), positron emission tomography (PET), computed tomography (CT) and diagnostic ultrasound.

In June 2015, RAPA was searching for the most optimum solution for image management and a robust informatics platform for Mammography.

The Opportunity

The Candelis system was recommended as the most advanced solution available for all Mammography workflow needs.

RAPA wanted a dependable system with the most cutting-edge and innovative technology that could:
1) Reliably prefetch studies, in multiple ways and for multiple locations,
2) Handle 3D Tomo Mammo studies for import and export to DVD, and
3) Enable multiple techs to be logged in simultaneously while working for their multiple breast centers.

- Scalable Image and Object Management Archive

- Cost-effective, and efficient solution for sharing data with radiologists, surgeons, physicians, nurses, and technologists

- Easy access for the hospital physicians to read radiology reports and images on a single platform

- Vendor Neutrality

The Challenge

Like many facilities, RAPA was looking for a system that allowed them to track and log images so that their Mammography Radiologists could read more efficiently. RAPA reads for 50 hospitals across the state and over 100 clinics and reads over 600,000 studies yearly, so time productivity was of great importance.

RAPA also wanted a solution to read images with access to priors from any of their multiple locations with different prefetching rules for each.

The Solution

Candelis supplied RAPA with an ImageGrid with 1 TB, a basic router, and some viewers so that staff could import and burn CDs. Candelis also performed HL-7 for prefetching capabilities.

Candelis's prefetching abilities would allow for the pulling and pushing of studies, so RAPA had options to track and log. RAPA could then tweak prefetch rules to get as close to 100% as possible making Mammography Radiologists more time-efficient. The Candelis system also allowed for both batch and real time prefetching that could handle their complex facility infrastructure.

The workflow was improved due to the prefetching as both radiologists and technicians did not waste time manually prefetching images the day before for the next morning of the appointment. Moreover, in the event that a walk-in showed up randomly without a scheduled appointment, radiologists would not have to wait on their prior studies during the day to do a reading.

From an improved customer service standpoint, RAPA techs could now send patients home or to other facilities with disks that had all the Mammo data on them as well as provide a viewer that showed the 3d Tomo images correctly.

Finally, IT spends less time looking for studies to push to a mammo reading station, vastly improving workflow efficiency throughout the facility.

> "Choosing a Candelis system was one of the best decisions we made to increase our time efficiency," says Joe Vick, IT Department Administrator at RAPA.

"Candelis is truly our partner to optimize our facility's IT infrastructure. Candelis's support team is very knowledgeable about the product and how to configure it, and always willing to teach. Support is 95% of time on the spot when calls are put into the Candelis help desk," Vick added.

CANDELiS™
A Technology Revolution

Visit us at **Candelis.com**