



Candelis Case Study

October 2017

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Location

Grand Junction, CO

Services

- Workflow/Visualization/Image and Object Management

Key Business Challenges

- Vendor Neutrality
- Fast routing capabilities
- Seamless integration of software application and image management system
- Timely and secure sharing of medical study objects
- Seamless integration of software

Candelis Seamlessly Helps Grand Junction Community Hospital Integrate their RIS and Mammography Stations, and Simplify the Radiologist's Workflow

The Situation

Grand Junction Community Hospital in Grand Junction, Colorado, is a full-service, acute-care hospital licensed for 60 beds. As part of the Colorado West Healthcare System, the facility serves as a Level III Trauma Center that offers full outpatient diagnostic services and inpatient care for the Western Slope region of Colorado, and eastern Utah.

Grand Junction Community Hospital (GJCH) provides a full range of medical services, including inpatient and outpatient surgery, and emergency care. They have comprehensive diagnostic capabilities: state-of-the-art ultrasound, CT, digital mammography and cardiac testing. GJCH partners with University of Utah Health Care and Huntsman Cancer Institute to provide world-class medical and radiation oncology treatment, and prides itself on its expert staff and world-class technology.

In 2016, GJCH needed a robust and technologically advanced system to best integrate with their Siemens Tomo gantry, RIS, and their reporting software.

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- Scalable Image and Object Management Archive

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The Opportunity

Siemens recommended the Candelis system as the most advanced solution available for all Mammography workflow needs. Moreover, as GJCH would have to retrain their doctors and hospital staff, the product needed to be intuitive and efficient.

Candelis was able to supply a very feature-rich solution that could optimize the facility's workflow and offer better patient care from the day of installation.

As a vendor neutral solution, the Candelis system was the best solution to seamlessly integrate GJCH's existing network into one cohesive system. Their multiple vendor systems included a PowerScribe voice recognition module, a Meditech RIS, a Phillips PACS, and Siemens Mammography stations.

The Challenge

Most providers run into incompatibility issues with use of multiple vendor systems.

However, the Candelis system enables studies to be accepted from virtually any other vendor system so the facility can easily connect and manage its digital image infrastructure.

Additionally, GJCH is currently archiving all of its 3-D Mammo images to their network PACS, slowing down bandwidth and hospital efficiency.

Although the current system is able to handle today's larger images, the technology of enhancing the resolution of these images continues to be refined, and their PACS will have difficulty keeping pace with these technological changes. They are now turning to Candelis to keep their facility abreast with the latest IT developments.

Finally, while GJCH has implemented Tomo and is now using the Candelis workstation to best manage the workflow, they are now in search of an easier way to share images among their radiologists and referring physicians.

Candelis's ASTRA Plus™ cloud image sharing technology offers instant distribution of images and reports to referring physicians and other facilities, as well as patients. The improved efficiency will lead to streamlined work and new business.

The Solution

Although most systems are not architected to cope with the large-sized objects of 3-D Mammo imagery, Candelis provides options that are available to expand storage as the practice expands, ensuring the facility's business continuity.

The Candelis system can handle all imaging needs for women's health facilities without facing issues due to integration with multiple archives or products from different vendors. Study ingestion, archiving, and imaging distribution features are seamless, scalable, and optimized.

"We love the way that the Candelis system seamlessly integrates our RIS, our PACS, our Reporting tools, and our Mammography machines," said Angela Beaver, Lead Mammography Technologist at GJCH. "It simplifies the radiologist's workflow and helps run our practice efficiently and increase our day-to-day productivity."

"With its ease of use, flexibility, and exceptional performance, Candelis is an essential and integral part of our practice. We are eager to hear about how we can further use Candelis for future needs," she added.

