

Lovelace Health Systems

Tapping the Benefits of Ever-Evolving CR Technology

ALBUQUERQUE, NM: Lovelace Medical Center began as a single clinic some 80 years ago and, like many hospitals over the years, has undergone a number of renovations and expansions, including the addition of a large, medical specialty outpatient center and eight primary care centers such as a sleep center, a rehab center, and a cosmetic and reconstructive surgery center. In communities where Lovelace has no facilities, it contracts with other medical professionals and facilities, with a statewide network of more than 3,200 physicians, hospitals and related medical services. In 2002, Lovelace was named sixth in the nation's Top 100 integrated delivery systems by *Modern Healthcare Magazine*.

But with growth comes growing pains, and the radiology function was no exception. With Lovelace's increased size and patient volume, administrators knew that they would have to identify and implement new technologies that would streamline operational and radiologists' efficiency in order to maintain prompt and patient-centric care levels. Not only was new technology a necessity for meeting current demand, but it was also the gateway to future growth as a health system.

CR: Bridging the Gap Between Analog and Filmless

Lovelace first witnessed the power of CR at the Radiological Society of North America meeting (RSNA). "We quickly realized that CR was the way to the future," explains John Ervin, director of radiology, Lovelace.

The display that appealed to Lovelace was a series of analog skull X-rays compared to a series done with CR. Whereas the analog images varied in exposure and diagnostic quality, the CR images were all good. This mimicked a problem Lovelace experienced in the tremendous variability in its portable chest films. To process portables, Lovelace purchased FUJIFILM's FCR 5000R-ID reader for its ER and achieved an immediate improvement in the consistency and quality of studies. This resulted in increased efficiency in reading and interpretation among radiologists as well as productivity gains among technologists who experienced a 50% reduction in retake rates.

Not All CRs Are Created Equal

After reaping the benefits of their initial FUJIFILM CR reader, Lovelace decided to invest in complementary CR systems to further streamline workflow and improve patient care. RFPs went out, and the purchasing team chose FUJIFILM's computed radiography (FCR) time and time again. FUJIFILM's compact Smart-CRs were chosen as in-room readers for the oncampus outpatient center as well as for use in their busy outpatient imaging center located across town. High throughput FCR 5000s were placed in the main radiology department along with two SpeedSuites™ for the ultimate in throughput; one featuring the FCR ClearView-D digital chest unit and the other utilizing the FCR ClearView-D table. FUJIFILM QA-WS771 workstations for quality assurance review, Flash IIP consoles for worklist management and high-volume FM-DP L dry laser imagers further improved accuracy and timeliness of treatment.



Why FUJIFILM?

"We could see that CR was the way to the future. And FUJIFILM CR, above others, met our criteria in terms of economics, practicality and clinical utility. As a result, we've improved radiologist efficiency and patient care."

John Ervin
Director of Radiology
Lovelace Medical Center

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“We’ve seen a 50% reduction in repeat rates due to CR’s ability to consistently generate high-quality images on the first take. FUJIFILM’s DR products and in-room readers improve the speed and quality of care even further.”

John Ervin, Director of Radiology
Lovelace Medical Center

Facility Facts

- Named sixth in Top 100 integrated delivery systems in 2002 by *Modern Healthcare Magazine*
- Statewide network of more than 3,200 contracted physicians, hospitals and related medical services, including:
- 225-bed acute care hospital
- Outpatient center comprising more than 40 medical specialties
- Eight primary care centers
- 900 radiology exams daily

CR Facts

Began with FUJIFILM & Processors
FCR 5000R-ID
Two FCR 5000s
FCR ClearView-D Upright SpeedSuite™
FCR ClearView-D Table SpeedSuite™
SmartCR
Four FM-DP L dry laser imagers
QA-WS771s and Flash IIP consoles

“During the evaluation, it was clear that FUJIFILM is the leader in CR,” states John Ervin. “Their image quality is unprecedented, their breadth of applications adds valuable clinical utility and their DR product line took our workflow efficiency to a whole new level.”

By incorporating ever-evolving FCR technology, Lovelace has stayed ahead of the curve in the transition from an analog to a digital environment.

Making Geography a Non-Issue

With CR firmly in place, Lovelace began preparing for PACS, including digitization of its analog films, to enable digital image distribution. Implementing CR and image distribution helped Lovelace eliminate lost films, reduce film couriers and improve the ability to service stat cases. This has resulted in significant improvements in service levels and patient satisfaction.

FUJIFILM Computed Radiography (FCR)

FCR is a digital imaging system that brings the power of technology to the acquisition, processing, display and management of radiographic images. It is designed to replace conventional X-ray with a superior digital imaging system that not only enhances image quality and diagnostic capability, but also promotes efficiency within the healthcare setting. FUJIFILM’s broad family of products is optimized to suit different applications in multiple imaging environments. FUJIFILM is currently the market leader in CR with more than 30,000 systems installed worldwide producing over 1.8 million images per day, featuring clinically proven technology and images known as the industry’s gold standard for digital X-ray.

FUJIFILM — Providing the Path to Your All-Digital Future

FUJIFILM’s Synapse and digital X-ray lines comprise the total solution to the challenge of Image Capture, Display and Storage of patient images and information in the healthcare environment. To take the first step on the path to an all-digital future, contact your FUJIFILM representative or visit us at www.fujimed.com for more information on our broad range of imaging and information products.

SmartCR - Sold as XG1 outside USA and Japan
ClearView-D digital chest - Sold as XU-D1 outside USA
ClearView-D table - Sold as 5502D outside USA
Flash IIP - Sold as CR Console outside USA

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