

Case Study: St. Luke Community Hospital

Toshiba's Reliable RADREX-i Digital X-ray System Improves Patient Care and Efficiency with Faster, More Automated Exams

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Situation:

St. Luke Community Hospital required a reliable digital X-ray system to conduct a variety of exams and increase throughput in its emergency department to enhance patient care.

Solution:

St. Luke Community Hospital selected Toshiba's RADREX™-i digital radiographic (DR) X-ray system. RADREX-i's user-friendly, automated features and RexView have decreased exam times, improved patient throughput and made exams safer.

Benefits:

- **Reliability You Can Count On:** RADREX-i is a dependable digital X-ray system with a reliable uptime that busy facilities can trust.
- **Real-Time Image Display Creates Faster, Safer Exams:** RexView, a color LCD screen on the overhead tube crane (OTC), displays real-time images so technologists can review on the spot, for faster decisions, without leaving a patient's side.

- **Multiple Automated Features for Rapid, Accurate Exams:** RADREX-i's automated features expedite exams and productivity.
- **High Table Weight Limit** RADREX-i's 600-pound table weight limit allows for imaging of all patient types, including bariatrics.



St. Luke Community Hospital, a 25-bed facility in Ronan, Mont., was undergoing a 66,000-square-foot expansion and wanted to upgrade its existing X-ray imaging technology. The hospital needed a system with automated features that could perform a variety of exams while increasing efficiency in its high-volume emergency department.

St. Luke Community Hospital chose the RADREX™-i digital radiographic (DR) X-ray system to improve patient throughput and make exams safer and more comfortable for patients. The automated features of the RADREX-i have allowed the hospital to save 20 minutes per patient in the emergency department.

“With more than 25,000 residents in our area with a variety of needs, acquiring the best possible imaging equipment was critical,” said Steve Sivak, radiology manager, St. Luke Community Hospital. “We never know what we’ll be faced with in an emergency setting, and Toshiba’s RADREX-i X-ray system gives us the flexibility to image a wide range of patients,

which is important to efficiently triage trauma patients.”

The RADREX-i features a 600-pound table weight limit, making it bariatric-friendly and more comfortable, enabling a larger patient population to be scanned than was previously possible at St. Luke Community Hospital. The X-ray system enhances workflow and improves patient care with RexView, a color LCD screen on the overhead tube crane (OTC) that displays real-time images so technologists can view images immediately for faster decisions during the exam process. RADREX-i's ability to display images tableside enhances efficiency and patient safety by allowing technologists to spend more time in the exam room at the patient's side.

“RexView is extremely helpful in trauma situations and reduces exam times by allowing us to view and assess images on the spot,”

said Sivak. “When every second counts, RexView allows us to plan treatment immediately, improving a patient’s chance for a better outcome.”

“We never know what we’ll be faced with in an emergency setting, and Toshiba’s RADREX-i X-ray system gives us the flexibility to image a wide range of patients.

— Steve Sivak, radiology manager, St. Luke Community Hospital

In addition to allowing safer and more comfortable exams, Toshiba’s RADREX-i automated tools help expedite imaging and improve accuracy by capturing the right image on the first try. RADREX-i’s automated features include:

- **Auto-tracking** eliminates manually positioning the X-ray tube detector by providing synchronization for table and wall-stand tracking.
- **Auto-program** automatically selects the correct program.
- **Auto-center stop** provides visual guidance for fast, simple detector centering.
- **Auto-collimation** automatically selects the correct collimation size for the patient’s body part to save time and limit radiation exposure to the patient.

“Toshiba’s RADREX-i has proven to be a dependable digital X-ray system, allowing us to perform a wide range of exams, while making it safe and comfortable for our patient population,” added Sivak.

In addition to the RADREX-i, St. Luke Community Hospital also utilizes a Toshiba Aquilion™ 64 CT system, a Kalare™ X-ray system and two Aplio™ MX ultrasound systems.



Steve Sivak, radiology manager, St. Luke Community Hospital, uses RexView, a color LCD screen on the overhead tube crane, to review images in real time, for faster decisions, without leaving a patient’s side.



St. Luke Community Hospital chose the RADREX™-i digital radiographic (DR) X-ray system to improve patient throughput and make exams safer and more comfortable for patients.



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