

Case Study: Health Central

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

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Situation:

Health Central required a reliable digital X-ray system to conduct a variety of exams and increase throughput in its emergency department for better treatment planning and improved patient care.

Solution:

Health Central 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 reliable uptime 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.

- **Service Support:** Experienced Toshiba engineers maintain the RADREX-i, nearly eliminating system downtime by solving minor issues before they become major problems.



Health Central's older X-ray equipment in its emergency department (ED) was slowing down image transactions and patient throughput. So the institution, a 171-bed acute care hospital in Ocoee, Fla., decided to upgrade its X-ray imaging technology. The goal was to find a reliable digital X-ray system that could conduct a variety of exams and increase throughput in an emergency setting, resulting in better treatment planning and improved patient care.

Health Central selected Toshiba's RADREX™-i digital radiographic (DR) X-ray system and since acquiring the system has been able to conduct between 80 and 90 cases a day, up from 60 achieved with its previous X-ray system.

"Since time is of the essence in the ED, we knew it was imperative to transition to digital imaging," said Sherrie Quedenfeld, director, Imaging, Health Central. "As we were looking into the various digital X-ray options, it was clear that Toshiba's RADREX-i provided our team with an instinctive, easy-to-use platform that all of our technologists could adapt to quickly."

"Toshiba understood our need for a reliable X-ray system that increased throughput and RADREX-i's features make it possible to perform more exams in less time," continued Quedenfeld. "As we transitioned to the new digital system, Toshiba's service team was superb and ensured our room was up and functional right away."

Health Central uses the RADREX-i for all ED X-ray imaging on a range of patients, including bariatric, pediatric and geriatric. RADREX-i makes imaging safer and more comfortable for patients with features like RexView, which provides clinicians the ability to review images tableside, reducing the time patients spend on the table being repositioned and reimaged.

"With no delay in image transaction and RexView, a color LCD screen on the overhead tube crane (OTC)

that displays real-time images, our technologists save time by reviewing on the spot, for faster decisions, without leaving a patient's side," added Quedenfeld. "There is no longer a need to wait for images to process, and we can begin to plan treatment immediately."

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— Sherrie Quedenfeld, director, Imaging, Health Central

In addition to making imaging safer and more comfortable for patients, Toshiba's RADREX-i automated tools help expedite exams 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.

RADREX-i is a comprehensive digital X-ray system designed to image a wide range of patients, making it an ideal, cost-effective X-ray system for busy emergency departments everywhere. In addition to the RADREX-i, Health Central also utilizes a Toshiba Aquilion™ 64 CT system and two Aplio™ MX ultrasound systems.



RexView, a color LCD screen on the overhead tube crane, displays real-time images so technologists can review on the spot, for faster decisions, without leaving a patient's side.



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