

Healthcare Sector Imaging & Therapy Systems Division

Siemens Mobilett Mira Mobile Digital X-ray System Receives FDA Clearance

System has wireless detector and swivel arm to improve exams of limited mobility patients and enhance ease of use

Malvern, PA, October 3, 2011 — Siemens Healthcare has announced that the Mobilett Mira, the company's first mobile digital X-ray system with a wireless detector, recently received 510(k) clearance from the U.S. Food and Drug Administration (FDA) and is now commercially available in the U.S. The Mira's wireless capability facilitates examinations of patients with limited mobility, and its unique rotating swivel arm helps increase ease of use for clinical staff.

"The process of having an X-ray can be stressful for patients with mobility challenges. The Mobilett Mira addresses that challenge with its ability to move to wherever the patient is most comfortable," explained Gerhard Schmiedel, Vice President, X-ray Products, Siemens Healthcare. "At the same time, the new rotating swivel arm is an important benefit for radiologists and technologists, giving them more flexibility to access patients and capture high-quality images with greater ease."

Wireless Detector

Mobile X-ray systems are used frequently when patients cannot be moved to an X-ray room – for example, when they are in the intensive care unit. Until now, a mobile unit's X-ray detector was connected to the system via a data cable that could lengthen the exam process, cause patient discomfort, and hamper the imaging efforts of clinical staff. With the Mobilett Mira, Siemens combines the advantages of mobile X-ray imaging with the flexibility of a wireless detector.

Increased Efficiency

One of the smallest mobile X-ray systems on the market, the Mobilett Mira can easily navigate small spaces such as elevators thanks to its integrated drive. With a resolution of more than 7 million pixels, its new detector delivers image quality comparable to high-resolution stationary systems. The system works with very short exposure times beyond one millisecond, reducing patient radiation exposure. In addition, Siemens has redeveloped its mobile X-ray swivel arm system for the Mobilett Mira so that it not only moves vertically but also rotates up to 90 degrees,

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simplifying the examination process for clinical staff. Moreover, the swivel arm integrates all electric connection cables that conventional mobile X-ray systems usually carry externally. This feature, combined with the wireless detector, makes the Mobilett Mira a fully wireless mobile system that is not only more flexible, but also more hygienic, since every cable on a medical device is a potential germ carrier that requires regular maintenance and cleaning.

The Mobilett Mira is the first mobile X-ray system that can be maintained and updated via remote monitoring. Siemens Remote Services (SRS) regularly provides the system with recommended software updates.

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