

Publication : Healthcare Radius
 Edition : Mumbai
 Date : June, 2014

Consumer Connect

Enhancing workflow

CARESTREAM DRX- Evolution system offers optimised workflow and high image quality for enhanced patient care at Ruby Hall Clinic, Pune

The radiology centre at Ruby Hall Clinic has been at the forefront of technology, patient convenience and quality healthcare for over a decade. A true trendsetter in the arena of healthcare, the medical centre was amongst the first healthcare facilities in the country to install a Carestream Health CR (Computed Radiography) system in 2001.

In recent years, while many hospitals in India are just beginning to see the value of the then advanced Computed Radiography technology, Ruby Hall Clinic took the lead with the installation of Carestream Health India's CARESTREAM DRX- Evolution System, a digital radiography technology powered by the revolutionary Carestream DRX-1 System, the world's first wireless DR detector. This was the first installation of this versatile, compact fully automatic DRX- Evolution suite in South East Asia.

Given the high number of examinations conducted every day, the department works continually to improve its systems, processes and practices in order to improve the organisational throughput and deliver enhanced patient care. The CARESTREAM DRX- Evolution has helped the radiology department improve departmental efficiency and increase throughput by reducing patient waiting time and providing an improved accuracy in examining results. Used extensively in a multitude of diverse real-life cases, the DRX- Evolution suite has shown unmatched operational flexibility for general radiology and trauma exams.

According to Dr Joshita Singh, consultant radiologist, Ruby Hall Clinic, "We found the CARESTREAM DRX- Evolution System to be dependable, reliable, and offering best technology suited for our needs. The DRX- Evolution system offers excellent image quality, ease of use



The DRX- Evolution system delivers images with improved accuracy.

and reduction of patient examination time by almost 5-7 minutes per patient compared to CR. In addition, it has also provided us with the flexible positioning we need for urgent trauma cases. More importantly, this system reduces radiation exposure by over 40%, making it the most highly preferred technology for women and young children."

The CARESTREAM DRX- Evolution is an integrated, automated digital radiography suite powered by the revolutionary DRX-1 detector that offers high quality images, far superior to those offered by CR systems. According to Dr Singh, equipped with enhanced visualisation options that provide greater latitude and depth, the DRX- Evolution system delivers images with improved accuracy, enhancing diagnostic confidence and reducing the need for repeat exams.

In addition to the inpatients of Ruby Hall Clinic, the radiology department also supports a large population of outpatients. "The radiology department at Ruby Hall Clinic is used for multiple exam types, from elderly patients in traction with broken limbs who have to be lifted onto the table, to multi-trauma victims. The DRX- Evolution offers an unmatched positioning flexibility

for both general radiology and trauma exams. Available in three configuration options: fully automated, hybrid and standard, the DRX- Evolution has been particularly helpful in improving both workflow and patient care with its unique system designed to move around the patient, eliminating the inconvenience of patient repositioning due to the limited flexibility of equipment," states Dr Singh. Designed with highly configurable, modular components and a unique auto-tracking technology that eliminates the scope of human error in examining, the DRX- Evolution helps keep the patients' comforts and expedited examining in prime focus, she added.

In addition, the X-ray equipment operates within an image capture-time of about 5 seconds and transmits the imaging exams to the facility's database over a wireless network, decreasing the imaging time by 5-7 minutes per patient compared to CR. Problems in patient positioning can be verified immediately after the raw image appears on the computer screen, and immediate diagnosis can be made in cases of emergency.

Speaking about his experience after the installation, Bomi Bhote, CEO, Ruby Hall Clinic Pune says, The DRX- Evolution has definitely helped streamline patient positioning, sped up our workflow in between patients and improved the overall patient flow, particularly for outpatients. Moreover, a major benefit in patient care stems from the fact that the DRX- Evolution delivers a higher quality of images while lowering the patient's exposure to radiation by over 40% when compared with CR systems," he adds, concluding, "The DRX- Evolution System has offered us benefits such as compatibility and scalability helping us meet today's needs while positioning for tomorrow's growth."