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Siemens Healthineers introduces latest digital solutions at IRIA 2019

18 January 2019 | News

New Magnetom Lumina with Biomatrix technology expands clinical applications and revolutionizes patient experience.

ACUSON Sequoia inaugurated by Dr. M.S.Sandhu, Professor and Head – Department of Radio Diagnosis & Imaging, PGIMER

At the 72nd Annual Conference, IRIA, Chandigarh, India, Siemens Healthineers presents a series of new products and latest technology update at the event. Innovation with MRI, X-ray machine and Ultrasound portfolio, Cutting edge technology with CT scanners, and the powerful AI-based system were showcased at the IRIA 2019 exposition, Chandigarh, India. The products, ACUSON Sequoia and MAGNETOM Lumina were also unvieled at the IRIA; by Dr. M.S.Sandhu, Professor and Head – Department of Radio Diagnosis & Imaging, PGIMER, Chandigarh.

Magnetom Lumina is the latest addition to the new portfolio of BioMatrix scanners from Siemens Healthineers and features a 70-cm bore. BioMatrix provides our customers with a comprehensive set of innovative MR technologies – technologies that automatically adapt to the patient's anatomical and physiological characteristics. Biomatrix Technology is the key to making MRI even more consistent and more robust, reducing unwarranted variations in imaging results; and achieving standardized, reproducible results.

The new **Acuson Sequoia** was developed in response to one of the most prevalent challenges in ultrasound imaging today: imaging of different sized patients with consistency and clarity. With its new Deep Abdominal Transducer (DAX) - a new high-powered architecture with innovative updates to elastography and contrast-enhanced ultrasound; the new Acuson Sequoia produces penetration up to 40cm.

The BioAcoustic technology of Acuson Sequoia helps to improve the visualization and assessment of lesions. The view time

of contrast agents is also significantly longer, allowing clinicians more time to scan for additional incidental lesions during their examinations and with up to twice the sensitivity.

Syngo Virtual Cockpit by Siemens Healthineers, is a software solution that can be used for CT and PET/CT scanners, MRI and MRI PET systems. Medical staff can use this software solution to connect remotely to scanner workplaces to assist personnel at a different location, especially where more sophisticated examinations are required.

For radiological examinations, experienced colleagues can “tune in” quickly and in real time via audio or video functions, and connect to other locations seamlessly; saving on time and cost. By ensuring best possible support from experts in any location; high quality and uniformed imaging can be achieved across all the locations desired. It would also help in reducing the number of undesired variations in scan quality, which in turn enables to deliver more accurate and precise radiological diagnosis. Siemens Healthineers has a long history of AI-enriched solutions with over 40 deployments embedded in the imaging modalities and syngo.via AV solutions. **AI-Rad Companion** is a new dedicated software platform that brings artificial intelligence (AI) to medical imaging. The AI-Rad Companion assists radiologist in reading and reporting. It’s first application, AI-Rad Companion Chest CT, automatically performs measurements, prepares results for reports, highlights and characterizes anatomies and abnormalities and in addition to that even creates references with risk scores and reference values. The results may eliminate the step of manual image post-processing on an advanced visualization device and therefore increase the accuracy in interpretation and reporting.

“We are focused on how digitalisation is helping empower our customers in their journey towards delivering high-value care. Our products and solutions are addressing some of the core challenges faced by our customers; improving patient experience, managing chronic diseases and optimizing clinical operations.“ said, Vivek Kanade, Executive Director, Siemens Healthineers, India.