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Imaging news from Siemens Healthcare

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Making healthcare pay off

Siemens Healthcare is the only manufacturer to produce CT scanners with two X-ray tubes and detectors i.e. the Dual Source CT. At the recently held European Congress of Radiology (ECR) in Vienna, Siemens further strengthened its Dual Source portfolio by launching SOMATOM Drive CT scanner.

The five exciting days at ECR 2016 witnessed many such innovations from the house of Siemens. From the Breast Care Day as the premier event to interesting symposia about MRI, CT, Ultrasound and X-Ray moderated by clinical experts, Siemens focused on the theme – **Making healthcare pay off**. About 25,000* professionals attended ECR this year – a new record by itself. We would like to thank our customers who visited Siemens' booth and explored our offerings at this Congress.

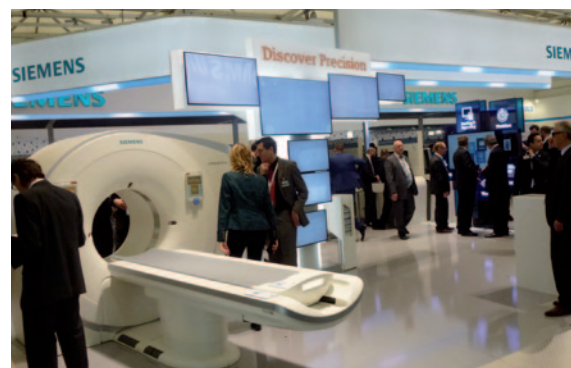
At ECR, we were also privileged to get some live impressions from our global customers, especially on our innovative applications like *syngo.plaza*, TwinBeam Dual Energy, *syngo.via* for Molecular Imaging, FREEZEit, MRI Brain Imaging and many more. We would truly appreciate if you can view these experiences by visiting our website.

This issue of *iConnect* will give you a preview on Siemens' products and solutions that were released at ECR 2016. If you need more information about these offerings, please do write to us at hc_contact.india@siemens.com.

We are also thankful to Dr. E Venkatachalapathy, Head of Nuclear Medicine Department, SRMC, Chennai, for expressing his views on the newly installed Symbia Evo

Excel Dual Head Gamma Camera. You can read his testimonial in this issue. Please keep sending us your opinion and feedback on *iConnect* – let us know what more would you like to read about Siemens Healthcare.

Best Regards,
Team *iConnect*



Siemens booth at ECR 2016

*Source: www.mysr.org

Introducing SOMATOM Drive

Drive precision for all



Siemens Healthcare announces the launch of its new Dual Source CT scanner – SOMATOM Drive. The new Straton MX Sigma X-ray tubes and Sigma generators in SOMATOM Drive precisely deflect the X-ray beam, allowing for more targeted beam focusing and enabling examinations to be performed with very high energy levels at low voltages. **This is of benefit, for example, in pediatric cases as well as for patients with tumors who need to be scanned frequently to monitor disease progress.**

Special spectral tin filters known as Selective Photon Shields II, optimize the X-ray spectrum by filtering out the parts of the X-ray beam that are rarely useful for imaging. Using this technology, lung scans for example, can be performed at an extremely low dose, which is likely to prove particularly beneficial for standard screening tests.

SOMATOM Drive's **new touch panel user interfaces allow for intuitive system control and can therefore be operated by users with less experience; less training is required for medical staff, and potential repeat examinations caused by incorrect operation are minimized.** The touch displays are easy to clean, which improves hygiene during the procedures.

Two new features offer interventional guidance

syngo Evar and syngo CTO

The established Pure® platform is now available with two new features, which simplifies the adoption and utilization of advanced features on the Artis zee, Artis Q and Artis Q.zen angiography systems. Designed to aid in endovascular aneurysm repair (Evar), **syngo Evar Guidance offers automated detection of vessel walls on computed tomography (CT) datasets** as well as automatic placement of landmarks for 3D image guidance. Additionally, it suggests the optimal angulation of C-arms



for precise deployment. Enabling better treatment of highly challenging chronic total occlusions (CTOs), **syngo CTO Guidance automatically segments coronary CT angiography (CTA) images in addition to providing procedural guidance.**

Synergetic MR PET

Biograph mMR



Biograph mMR sets the pace in diagnostic imaging, by combining state-of-the-art 3T MRI with proven molecular imaging, fully integrated in one system. Now with syngo MR E11, we take hybrid imaging to a new level of Synergistic MR-PET to **significantly improve diagnostic accuracy and capabilities as well as the standardization of quality of care** – for both – research and clinical use. Some of the key benefits of Synergistic MR-PET are...

- Motion-free PET images with MR-based motion compensation beyond gating
- Advance PET attenuation correction with whole-body 5-compartment model including bones and HUGE
- Exceptional image quality and scanning speed
- Comprehensive application portfolio in the areas of Neurology, Cardiology, Oncology, Body Imaging, Paediatrics, etc.

Portfolio expansion of Cios C-arm family

Cios Fusion, Cios Connect and Cios Select



Cios Select

Modern surgery is increasingly moving toward minimally invasive intervention and imaging systems from Siemens Healthcare are supporting this trend. Siemens has thus added new additions to its Cios C-arm family – Cios Fusion, Cios Connect and Cios Select.

The **compact design and greater ease of use** are common features of these new C-arms, as are a standardized user interface and high level of performance. The maximum possible X-ray time, an elevated heat capacity to prevent overheating and a high current range offered by the X-ray tube all help **ensure consistently high image quality during lengthy operations**, such as heart surgeries lasting several hours.

Cios Fusion features state-of-the-art flat panel detector technology. In total, its **field of vision is about 160 percent larger** than the standard image intensifier. **Cios Connect covers a very broad area of application in the medium market segment**. For lithotripsy – the destruction of kidney stones, for example – the C-arm provides a direct interface to the Siemens Modularis Variostar urology platform, enabling both devices to be operated by a single manual control.

Lastly, **Cios Select is the entry-level model** providing easier access to surgical imaging. It is designed to be especially user-friendly in operation, and its sturdy construction means that the **system does not require expensive maintenance**.

Note: All three products will be available in India in June/July 2016

syngo.via Frontier

Your gateway to the Siemens research environment

The new syngo.via Frontier provides access to powerful research prototypes¹ and paves the way for the evaluation of new techniques. **It helps our CT users conduct their own research in medical imaging and contributes to the international scientific discussion through a global exchange with other researchers**. Ambitious users may even design and implement own prototypes to leverage personal research endeavors². With the continuous innovation of the CT scanner portfolio and the pioneering platform syngo.via Frontier, Siemens underlines its commitment as partner of science.

¹ Not for clinical use

² Optional

6th Breast Care Day at ECR 2016

Women's Health



This year also, the Breast Care Day was the premiere event at ECR 2016. Organized and sponsored by Siemens in cooperation with Bayer Healthcare, this meeting focused on new and improving diagnostics for breast cancer. **The combination of daily routine reports, new studies, a future outlook and open discussions has attracted more than 5,000 customers over the past 5 years to this program**. Topics that were covered at the symposium were, Breast MRI - Today and Tomorrow; Breast Screening Controversies; Breast Tomosynthesis: Digital Breast Tomosynthesis out of the Daily Routine and Multimodality Discussion of Clinical Cases: Breast Imaging for Therapy Control.

Zero harm culture

Safety in MR

At Siemens, we attach highest importance to Zero Harm culture. We take utmost care that our equipments are running with the highest quality and safety standards.

MRI system has a superconducting magnet whose magnetic field is "ALWAYS ON" irrespective of the MRI system is in itself powered on or not. This is also true for the permanent magnet systems. The greatest risk from this "ALWAYS ON" static magnetic field is attraction of a ferromagnetic object into the magnet of the MRI scanner, which could create a projectile effect leading to significant injury to people or irreversible damage to the MRI system.

We at Siemens are always concerned about consistent and safe performance of your MRI system in order to maintain healthy uptime. We have been also highlighting safe MRI operating procedures to our customers through various communication channels. **It has been our observation that safety measures like installing of warning signs, thorough scanning of patient for any ferromagnetic object prior the scan and restricting entry to authorized staff only to the Magnet room, has significantly reduced the number of accidents.**

Through *iConnect*, we would like to take this opportunity to request you to persistently follow these safe operating practices as well as remind all personnel working in your MRI department about the same at regular intervals.

Financing made easy for healthcare equipment

Siemens Financial Services

As healthcare practitioners, you have a single goal – to deliver the highest standards of care to your patients, in the most reliable and accessible manner. With increasing demands and tight budgets, securing financing can be a complex process.

Siemens Financial Services (SFS) makes it possible for you to achieve your goals by making financing more easily accessible for healthcare equipment. SFS works closely with you to customize a financial solution, all of it from the house of Siemens.

SFS makes financing easier by:

- Offering collateral-free finance
- Issuing In-principle approvals within 48 hours*
- Seamless processing with minimum documentation

**Terms & Conditions apply*

Note: This content was created by Siemens Ltd., India (SL) and Siemens Financial Services Pvt. Ltd., India (SFSPL) for informational and promotional purposes only. SL and SFSPL are separate and independent companies.

Customer Testimonial

"Symbia Evo Excel fitted into our existing room with no modification"

Dr. E Venkatachalapathy, Head of Nuclear Medicine Department, SRMC, Chennai.



We have been using Symbia Evo Excel Dual Head Gamma Camera for the last two months and we have done about 300 cases. We were very impressed that Symbia Evo Excel fitted into our existing room with no modification, which virtually eliminated costs associated with room renovation and expansion. The scanner was also installed and ready for scanning within a week, which allowed us to return quickly to our normal workflow.

Symbia Evo Excel with a high-capacity patient bed, larger bore size compared to our previous system and highly flexible detectors is also optimized for obese or critically ill patients. Hospital bed imaging is possible with Symbia Evo Excel, which helps us to do Renal Transplant patient scans without shifting the patient. This was not possible with our earlier Gamma Camera. Additionally, the short tunnel length and maximum scan length of up to 200 cm (6 ft 7 in) improves patient comfort for claustrophobic and tall patients.

The scanning experience with the cardiac imaging configuration of 76° detector helps us in imaging thin-built patients with lesser distance between the patient and camera heads, which helps us to get better resolution cardiac SPECT images. We also have 90° degree detector configuration for medium to obese built patients.

The touch screen patient positioning monitor mounted on the scanner, which can be moved to either side of the scanner, is really useful to position the patients faster and start the scans.

Disclaimer: The products/features (here mentioned) are not commercially available in all countries. Due to regulatory reasons their future availability cannot be guaranteed. Further details are available from the local Siemens organizations.

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