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# iconnect

Imaging news from Siemens Healthcare

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## Excitement in the world of imaging continues...



On behalf of Siemens Healthcare, I would like to wish you all a very happy and prosperous new year! The year 2015 was indeed exciting for Siemens, where we continued introducing newer products and solutions to enhance

\*[rsna.org](http://rsna.org)

availability of quality healthcare to the masses. One such platform was RSNA.

The centennial year of RSNA, the world's premier radiology forum concluded in the month of November, where more than 25,000\* professional attendees made their presence.

In these five exciting days Siemens Healthcare showcased, how we can support our customers in today's challenging healthcare environment to deliver high-quality diagnostic and interventional services. I would like to thank those who visited our booth at RSNA and explored our offerings.

This issue of *iConnect* will provide you a brief overview of new solutions that were released at RSNA by Siemens. These innovations are in the field of MR, ultrasound, digital X-ray, imaging software and more. I hope you will enjoy reading this edition.

We are releasing this *iConnect* issue at IRIA 2016, which will be held in Bhubaneswar. So here's also to invite you all to visit Siemens' booth at IRIA 2016 – an opportunity to understand our solutions, see the products and also to interact with our colleagues.

As the excitement in the field of radiology will continue, being the innovation leader, Siemens will be committed to provide you with updates on healthcare trends and introduce innovative technologies that will help you to achieve your organizational goals. Do keep writing to us at [hc\\_contact.india@siemens.com](mailto:hc_contact.india@siemens.com).

Best Regards,

Richard Guest,  
CEO-Siemens Healthcare, India

## Celebrating 10 years of Dual Source

### CT without compromises

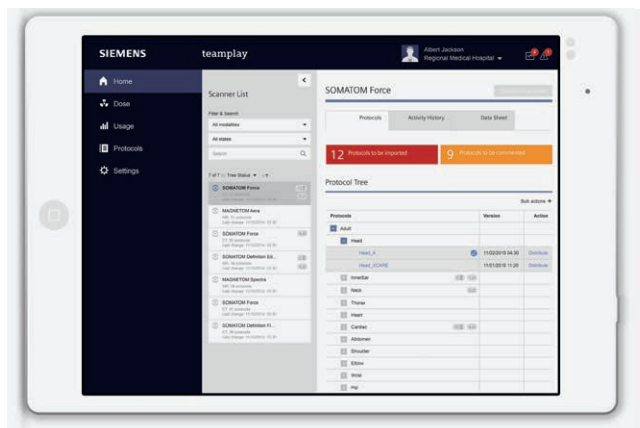


What started as an ambitious challenge has since become the industry's unrivalled gold standard: Dual Source CT. Siemens has improved image quality, increased the sensitivity and specificity of the system, and lowered radiation doses. We have freed CT practice of a lot of prep-time and after-care efforts; we've raised volume coverage and volume speed to new levels, enabled all new protocols, opened the door for perfusion CT in daily clinical routine – and helped improve diagnostic confidence in healthcare institutions all over the globe.

Join our celebration of 10 years of DSCT!

## Teamplay Cloud-based solution

### Connect, compare, collaborate



As healthcare providers face rising costs, at the same time patients expect constant improvements in their level of clinical care. The only way to deal with this apparent

contradiction is to make efficient use of the resources available. That's why **hospitals need a very precise understanding of their patient volumes and work volumes so they can remain competitive as healthcare providers**. One way to do this, for example, is to maintain transparency about the economic efficiency of their radiology departments at minimal cost. This will help them identify potentials for improvement.

The cloud-based network teamplay of Siemens Healthcare makes it possible to assess the capacity utilization of imaging devices, the various work sequences and individual examinations in an **uncomplicated and easy-to-follow way that meets this requirement**. The ability to compare this data – in anonymized form – against values from similar healthcare providers with just a click helps achieve a more objective analysis of the actual situation<sup>1</sup>. The new teamplay offering Protocols<sup>2</sup> premiered at RSNA in Chicago, USA, now provides an extra step to help customers implement improvements for the longer term.

<sup>1</sup> Availability of Benchmark option depends on a total minimum subscriber number to guarantee customer anonymity and data protection.

<sup>2</sup> This information about this product is preliminary; it is under development, not commercially available, and its future availability cannot be ensured.

## syngo.plaza VB20

### Your access to 3D, mobile viewing, and VNA<sup>1</sup>



syngo.plaza VB20 is the smart PACS workflow for reading and reporting a large variety of cases – from routine to complex. It brings 3D technology<sup>1</sup> to everyday reading, within your PACS and opens up powerful storage capacities, enabling vendor-neutral archiving, even enterprise-wide<sup>1</sup>. **It provides cost-effective upgrades to keep your IT investment fresh today – and ready to grow with future plans.**

- Wide spectrum of clinical applications – clinicians save time by accessing features from their workplace that are usually only available separately
- Modular and scalable design – makes syngo.plaza VB20 suitable for a wide range of scenarios and changing requirements

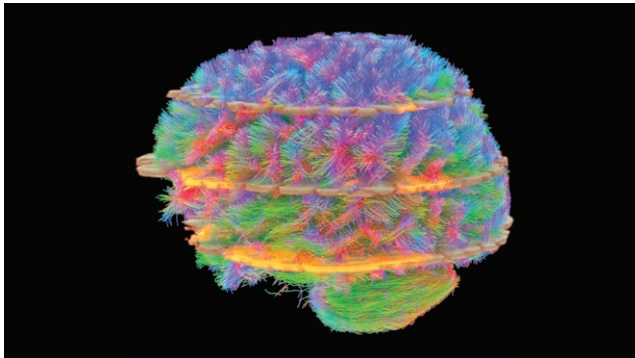


- Smart Data Conversion – with fast and efficient mechanisms that help elevate your PACS system to syngo.plaza

<sup>1</sup> These options are realized by seamless interfaces to other Siemens or 3rd party products.

## Simultaneous Multi-Slice

### Accelerate advanced neuro applications for clinical routine



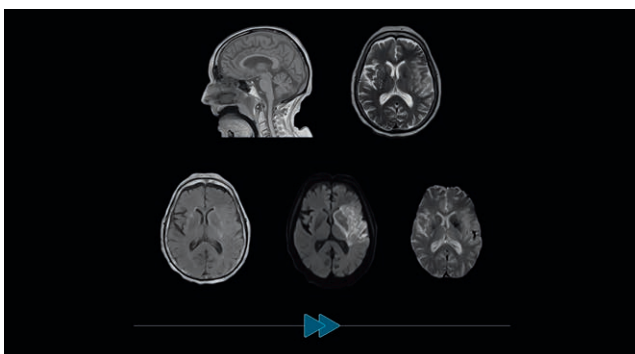
Simultaneous Multi-Slice (SMS)<sup>1</sup> is a paradigm shift in MRI acquisition, enabling a reduction in scan time of up to 68%<sup>2</sup>. Advanced applications previously considered too long (e.g. DTI and BOLD imaging) can now be brought to the clinical routine. Dramatically accelerating diffusion and BOLD imaging can be valuable for pre-surgical mapping to help improve patient resource management – with a potential revenue gain. **SMS can particularly benefit brain surgery cases through functional mapping, potentially helping to reduce post-surgical deficits and ultimately leading to improved efficiency in the utilization of OR resources.**

<sup>1</sup> 510(k) pending

<sup>2</sup> For Diffusion MRI measured on MAGNETOM Prisma with Head/Neck 64

## GOBrain

### Push-button brain exam in 5 minutes



GOBrain<sup>1</sup> is a push-button brain exam in multiple orientations with all relevant contrasts including diffusion

and T2\* – clinically validated and in only 5 minutes.<sup>2,3</sup> **Shorter scan times are better tolerated by patients and can help reduce rescans and sedations, which can be time-consuming and costly. Patient throughput is improved with overall economic benefit due to this.**

GOBrain can be a great tool in diagnosis of neurological conditions like Stroke, Hemorrhage, Neoplasm, Infection, Demyelination and post-operative findings.

<sup>1</sup> 510(k) pending

<sup>2</sup> Prakkamakul et al. Qualitative comparison of a 5 minute general optimized brain protocol and a conventional magnetic resonance protocol for brain imaging. Manuscript submitted for publication. (Study conducted on a MAGNETOM Skyra with Head 32 coil).

<sup>3</sup> Images courtesy of Massachusetts General Hospital and Athinoula A. Martinos Center for Biomedical Imaging and were acquired on a MAGNETOM Skyra with Head 32.

## Multitom Rax

### Join the new movement with robotic X-ray



Multitom Rax (Robotic Advanced X-ray) is the world's first Twin Robotic X-ray scanner that uniquely combines patient care and productivity. In addition to conventional 2D X-rays, the system also makes it possible to perform fluoroscopy examinations, angiography applications and even 3D imaging. By the push of a button, both robotic arms are being positioned fully automatically around the patient, improving both safety and convenience. There is no need to move the patient on the system or to change rooms for further imaging procedures, which makes examinations less painful and less time-consuming.

The fact that the detector can be freely positioned means that quite different X-ray images, both static and dynamic, can be taken in a single room using a single system.

**That saves time and avoids unnecessary costs, since specially installed modalities for examinations that are not performed on a daily basis can be uneconomical for hospitals.** On the other hand, systems that are in regular use can cause lengthy waiting times, and this is where the new X-ray scanner can help ease the burden.

## ACUSON S Family™ of Ultrasound Systems, HELX™ Evolution with Touch Control

Feel the Innovation!



Ultrasound users around the world are asking for intuitive and smart ultrasound systems that enable them to effectively manage today's demanding caseloads and diversity of clinical choices. Siemens thus introduced new ACUSON S Family™ of ultrasound systems, HELX™ Evolution with Touch Control. Designed with a dedicated focus on the user experience, the systems are working to create new levels of workflow efficiency, imaging performance and sustainability.

These systems are designed with the sonographer in mind. Powered by intuitive, user-focused technologies, they promote streamlined processes for improved exam quality with less effort.

Experience truly innovative, intelligently designed ergonomics that help eliminate unnecessary keystrokes, avoid repetitive hand movements and minimize stress-related injuries. Utilizing advanced technologies and diagnostic tools that expand your clinical capabilities, these systems deliver crisp, clear images.

HELX Evolution with Touch Control is designed to adapt to your standard of care. **From usability to technical compliance standards, Siemens has worked to ensure that the system you invest in today will be up-to-date and ready to integrate the most advanced technologies for years to come – allowing you to manage your costs without compromising your quality of care.**

## ACUSON NX3™ Elite Series Scan Smarter.



Built specifically around the way you work, the ACUSON NX3™ ultrasound system is simple and uncomplicated, yet powerful. The system enables you to scan smarter with a streamlined control panel that has 28% fewer keystrokes and 3x more user-customizable settings.<sup>1</sup> An intuitive 10.4" high-resolution touch control panel allows for faster selection of imaging protocols. **You can optimize your capital investment with a portfolio of fully compatible and scalable transducers, which can reduce your up-front investment by an average of 31%.<sup>1</sup>**

The Siemens' exclusive 16 MHz transducer delivers advanced superficial imaging to support your disease characterization efforts. With Siemens' exclusive 220° endocavity transducer that offers up to 75% larger field-of-view than standard probes<sup>1</sup> helps uncover more clinical details.

<sup>1</sup> Data on file

ACUSON NX3™ is a powerful platform driven by efficiency and built for performance. With advances in workflow, imaging performance, and upgradeability, this foundational system will help promote your highest levels of performance. The system is designed to serve a wide range of clinical applications. Sharp, clear images give you the diagnostic confidence you need.

**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.