RSNA 2012

Philips highlights SmartPath to dStream, the latest Ingenia developments, Ingenia MR-OR, Multiva 1.5T* and much more.
RSNA 2012: see Philips products that were designed with patients in mind

The theme of this year's RSNA meeting, Patients First, fits Philips like a glove. Philips MR has a long tradition of patient-focused design, such as Ambient Experience, wide open Panorama HFO, and Ingenia with a wide bore, comfortable coils, smooth workflow and top performance. With partners and collaborators, Philips is continuously transforming care, together resulting in innovations and products that were designed with patients in mind.

Ingenia accelerating patient care

A wealth of clinical results from both Ingenia 1.5T and 3.0T demonstrates the capabilities of the first-ever digital broadband MRI system. At the Philips booth at RSNA you can find news on how Ingenia with dStream truly changes expectations of what is possible with MRI.

Not only does Philips focus on the latest clinical applications but also on the necessary workflow enablers, which simplify and address your economic concerns. With dS-SENSE, body imaging near the speed of CT is demonstrated with chest, abdomen and pelvis coverage in around 8 seconds with mDIXON 3D gradient echo acquisition. In every clinical area Philips MR offers a strong set of methods and tools that support you in your aims to accelerate patient outcomes.

New applications

Philips is developing the mDIXON TSE® method, a two-point technique designed for fat-free imaging with short scan times in all clinical areas.

For neuroradiology, the Philips ASL package is being expanded with the new highly sensitive pCASL® method designed for non-contrast whole brain perfusion imaging in color.

Volumetric imaging continues to grow in importance and now the next generation 3D VIEWS® techniques are being developed for bringing high quality results to spine and musculoskeletal applications.

For body radiology, Philips presents mDIXON-Quant®, a multi-echo technique designed to provide accurate 3D fat fraction quantification maps, and targeting anatomies such as the liver.

* Work in Progress
Ingenia’s dStream technology now available for Achieva, Intera

The revolutionary dStream broadband technology that Philips introduced with Ingenia, is now available as an upgrade for Intera and Achieva systems*. SmartPath to dStream provides enhanced image quality, improved workflow, easier coil handling and patient comfort.

dStream technology features signal digitization directly at the patient, delivering high SNR that benefits image quality and speed. The lightweight dStream digital coils are comfortable for patients and the easy coil handling significantly benefits workflow. SmartSelect automatically determines the coil elements to use, shortening scan setup time.

SmartPath to dStream builds on the existing Achieva or Intera magnet and is a cost-effective way to digital broadband MRI. Compared to system replacement it saves magnet cost, reconstruction cost and limits down time and disturbance for the facility.

* Consult your local sales representative to learn about the exact upgrade options for your system.
Streamlined anesthesia and monitoring in the MRI suite

A compact anesthesia and monitoring solution for use in the MRI suite is developed by Philips. The combined solution* simplifies cabling and tubing in the MR suite and is designed for use close to the magnet. Its convenient operation may help to focus more on the patient and streamline workflow.

* Not available in the USA

IntelliSpace Portal offers access virtually anywhere

Providing multimodality, multivendor, multispecialty image analysis and review, IntelliSpace Portal offers enterprise-wide access to vital patient data, allowing fast, simple collaboration. Task guidance and automation in applications like Tumor Tracking and Cartilage Assessment allow fast processing and flexible presentation of results.

Convenient intra-operative MRI with Ingenia MR-OR

Ingenia MR-OR enables performing MRI during surgery to help determine if a resection is complete or if continued surgery is needed. With Ingenia's dual-room MR-OR setup, the MR system can be used for regular diagnostic imaging when not being used in surgery. With a triple-room OR-MR-OR setup, two ORs can utilize the same MR system. Transferring from OR to MR and back again is smooth and comfortable for both patient and clinician, and Ingenia's wide bore and superb image quality can benefit workflow and patient care.
Multiva 1.5T is designed to deliver all-round MR application capabilities with high quality and high reliability. It has a 60 cm patient aperture, a large, homogenous 53 cm imaging field of view, powerful gradients and a Direct Digital Sampling (DDS) scalable 16-channel RF receiver. Combined with proven SENSE parallel imaging and new high-channel RF receive coils it is equipped to deliver superb image quality in short acquisition times.

At the heart of Multiva 1.5T is the FlexStream workflow with new Head/Spine/Torso (HST) and 8-channel SENSE MSK coils designed for fast and easy patient set up in brain, spine, MSK and body exams. Multiva benefits from Philips’ innovative and proven technologies in both Ingenia and Achieva platforms. It includes, for example, SmartSelect functionality that automatically determines which coil elements to use for highest SNR in the region of interest.

* Not available in USA and Canada