
RSNA 2014: New MRI Scanner From Siemens Healthcare



Siemens Healthcare is now offering a new MRI scanner that has the same technologies that are available on the Siemens flagship MRI systems. Siemens is a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT.

Magnetom Amira stands out from other scanners because of its low operating costs. It uses the Eco-Power technology that enables power savings of up to thirty percent in standby mode. High image quality and low costs per scan ensure that Magnetom Amira meets the requirements of radiology practices, small and medium-sized hospitals and larger facilities.

With Magnetom Amira, customers can operate their MRI systems more efficiently. Examinations can be scheduled for ten minutes, and more patients can undergo scans in routine applications. Magnetom Amira offers DotGo, the latest generation of MRI examination software, which simplifies management and offers the right operating sequence for each individual scan. This increases the consistency, reproducibility and efficiency of examinations.

Magnetom Amira is the first Siemens MRI scanner that comes equipped with the "Eco-Power" technology. Activated during standby mode, it monitors the liquefaction cycle and manages the cooling and helium re-liquefaction process more efficiently.

With Magnetom Amira, power saving of up to thirty percent can be achieved in standby mode. This combined with the "Zero Helium Boil-Off" technology, prevents the helium from evaporating. As compared to Magnetom Symphony Generation MRI systems, Magnetom Amira can help reduce operating costs each year.

Magnetom Amira is equipped with Siemens' latest applications and syngo MR E11 software architecture. If a hospital runs a Magnetom Amira, with its sixty centimetre patient bore, alongside other Siemens devices, employees can switch seamlessly between the scanners. In addition, most coils can be exchanged between all current 1.5-tesla MRI systems with Tim4G technology, another cost saving potential. Part of the software platform is the "Quiet Suite" technology that helps minimise the loud noises that can be generated during an MRI examination.

Optimised gradient switching reduces the sound pressure by up to 97 percent during complete neurological and orthopaedic examinations, with no compromise in image quality and no prolonged examination times. Some measurements using Magnetom Amira can even be performed inaudibly over background noise, which benefits both the clinical staff and the patients.

Source: Siemens

Image Credit: Siemens

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