

Siemens Healthcare launches angiography system for universal use at RSNA 2013

Siemens Healthcare has launched the Artis one, a new angiography system optimised for a broad clinical utilisation, at the Radiological Society of North America (RSNA). The system is ideal for routine diagnostics and interventions, with a large selection of low dose features, designed to fit a broad range of clinical requirements. Energy consumption with the new system is up to 20 percent lower than the Artis zee floor.

The Artis one supports various routine interventions including revascularisations of peripheral arterial or venous occlusions, functional tests of dialysis shunts (surgical vascular connections between arteries and veins) in patients with kidney failure or of implanted ports in tumour patients. Diagnostic angiographies of narrowed coronary arteries (coronary stenosis) and their treatment or pacemaker implantations are also established routine procedures for which the Artis one is suitable.

Despite being floor-mounted, the new angiography system is similar in positioning flexibility to ceiling-mounted systems and requires substantially less space: Artis one occupies only 25 square meters, compared to the usual 45 square meters required by ceiling-mounted systems. The system features several axes which can be moved independently of each other. This allows hospital staff to easily position the system where needed, regardless of where the clinician is standing. The system covers body heights of up to 2.1 meters without the need to reposition the patient, even for the imaging of peripheral vessels. When necessary, the system allows free access to the patient's head in order to provide optimal care during the procedure.

Buttons on the table side console are tactile so that they can be easily operated even under the sterile covering. The on-screen menu allows the clinician to navigate

directly using the heads-up display. All information about the procedure is thus kept right in front of the operator's eyes. The comfortable 30 inch display size delivers images up to 90 percent larger than conventional 19 inch monitors.

With Clearstent Live, Artis one offers a feature which until now was only available with the premium family Artis Q and Artis Q.zen. This application for interventional cardiology allows the clinician to mask out the movement of the beating heart in order to place the stent in precisely the right position.

Furthermore, the new system is equipped with the proven "Megalix" x-ray tube of the Artis zee system family featuring flat emitter technology. Using a tube current of up to 250 milliampere (mA), the system generates images with outstanding quality and high contrast resolution. In order to keep radiation exposure for the clinician and patient as low as possible, Artis one offers the most extensive feature set for dose reduction of any angiography system on the market.

"Siemens Healthcare is delighted to launch the Artis one at RSNA 2013 which uses 20 percent less energy than the Artis zee floor, helping to reduce operational costs," states Jane Whittaker, Angiography Business Manager at Siemens Healthcare. "The system is ideal for routine interventions, with a large selection of low dose features, and comes in various different configurations tailored to fit a broad range of clinical requirements."

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Picture caption:

The Artis one from Siemens Healthcare is a new angiography system optimised for a broad clinical utilisation and features low energy consumption.

