



RSNA 2013: Ziehm Imaging shows first motorised C-arm for hybrid ORs



Ziehm Imaging is showing a mobile C-arm tailored for hybrid OR requirements: Ziehm Vision RFD Hybrid Edition. Ziehm Vision RFD Hybrid Edition offers a flexible, space- and cost-saving alternative to fixed installed systems. The first fully motorised mobile C-arm is operated with a joystick, and includes a 25 kW generator, various safety functions, and maximum image quality with minimal dose.

"With the new generation of the Ziehm Vision RFD Hybrid Edition we are offering, for the first time, full motorisation of a mobile C-arm in four axes: horizontal, vertical, orbital rotation and in angulation. Each position can be stored at the touch of a button and called up again at any time," says Klaus Hörndler, managing director of Ziehm Imaging.

"This allows the operator to access the desired viewing angles and anatomic visualisations without having to constantly reposition the system on the OR table."

The operator must touch any two contact points on the joystick (Position Control Centre) with the fingers to activate movement so preventing accidental operation of the C-arm. The joystick module also has a function for defining an isocentre around which the system moves concentrically. In addition to numerous orthopaedic applications (e.g. spine surgery), the isocentric functionality offers added clinical value, in particular for cardiac applications.

Ziehm Imaging motorized C-arms are equipped with Distance Control – an assistance system supporting non-contact collision protection. The automatic surface detection is integrated around the lower edge of the flat-panel. In the patient's proximity, the motorised movement is slowed down. The movement stops immediately before entering a defined safety zone.

The new Hybrid Edition is the only mobile C-arm to offer an active liquid cooling system (Advanced Active Cooling) in the standard version – this was previously only the case for fixed installed systems. Advanced Active Cooling keeps the generator at a consistent operating temperature and prevents it from overheating. It thus ensures reliable imaging without interruption even during lengthy procedures. The Ziehm Vision RFD Hybrid Edition delivers crystal-clear images with its rotating anode and 25 kW power. SmartDose, a comprehensive concept for dose reduction, combines a host of functions such as laser positioning, ODDC (Object Detected Dose Control), adaptive filtering technology and PreMag (radiation-free magnification).

Ziehm Imaging are exhibiting at booth # 6113, Expo Hall B, North Building at RSNA 2013.

Source: Ziehm Imaging

Published on : Sun, 1 Dec 2013