

Healthcare

Trade press release

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Ysio from Siemens

A new X-ray system for all of the clinical requirements in radiography

At the European Congress on Radiology 2008 in Vienna Siemens Healthcare introduced the new system for digital radiography (DR), Ysio. The concept of Ysio is to offer one DR solution for virtually all clinical demands. By selecting modules from a program, users can create their own Ysio X-ray system exactly customized to their needs. Regardless of whether medical practices and hospitals require one or two detectors, whether they want a patient table or not, or whether they need fully automated or synchronized operation – Ysio can provide an X-ray system adaptable to virtually any clinical requirement.

Patient volume and profiles, workflows, budgets, local standards and regulations are different for every medical practice and hospital. That's why Siemens Healthcare now offers Ysio, an X-ray system that can be composed according to individual needs. A configurator (a software tool) aids in determining the right system variant for a particular customer.

Independent of the variant the customer opts for, you can always recognize an Ysio system by the large color "MaxTouch" touch screen in the ceiling-mounted support. With this newly developed touchpad the customer can control system functions such as examination and exposure parameters or the dose. If customers decide on the fully automated ceiling-mounted support, they can even choose from over 500 pre-programmable system positions.

1 / 2

These positions make it possible to move the tube into the correct position for the desired exposure with the single push of a button. If the X-ray beam was aligned vertically, it is now automatically moved into a horizontal alignment, for example, to make an X-ray image of the lungs. As a result, there is less physical exertion for the radiological technician and the procedure in the X-ray lab is accelerated.

A highlight of Ysio is the wireless detector, wi-D. Detectors convert X-ray radiation to digital image information, and are usually firmly integrated in the examination table. The wi-D can be removed from the table and placed directly underneath or next to the patient. Exposures that are difficult or impossible to take using a permanently integrated detector, e.g. lateral exposures of the hip, can now be taken without difficulty. Patients with restricted mobility can be X-rayed, for instance, without having to leave a wheelchair. In addition the image quality is also improved: Since the detector is situated very close to the patient, there are virtually no distortions. The wireless detector, which transmits image data to the diagnostic workstation via WLAN, can be used just as flexibly as a cassette in analog X-ray systems while at the same time offering all the advantages of digital X-ray imaging.

You will find press images on this topic at: <http://www.siemens.com/med-pictures/Ysio>

Siemens Healthcare is one of the world's largest suppliers to the healthcare industry. The company is a renowned medical solutions provider with core competence and innovative strength in diagnostic and therapeutic technologies as well as in knowledge engineering, including information technology and system integration. With its laboratory diagnostics acquisitions, Siemens Healthcare is the first fully integrated diagnostics company, bringing together imaging and lab diagnostics, therapy, and healthcare information technology solutions, supplemented by consulting and support services. Siemens Healthcare delivers solutions across the entire continuum of care – from prevention and early detection, to diagnosis, therapy and care. The company employs more than 49,000 people worldwide and operates in 130 countries. In the fiscal year 2007 (Sept. 30), Siemens Healthcare reported sales of €9.85 billion, orders of €10.27 billion, and group profit of €1.32 billion. Further information can be found by visiting <http://www.siemens.com/healthcare>