

Press Release

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New ultrasound series

Increased functionalities, enhanced diagnostic confidence

Compact SDU-1200 PRO and all-rounder SDU-2200 PRO systems / Versatile, fully digital, highly efficient / SDU-2200 PRO also suitable for cardiology

Shimadzu, world-wide manufacturer of diagnostic imaging equipment, has introduced its latest generation of ultrasound systems at the Medica 2006 Trade Fair in Dusseldorf, Germany. The fully digital platform of the SDU-1200 PRO and SDU-2200 PRO color Doppler series features highly advanced operating modes and performance characteristics. Both instruments are suitable for hospital use as well as private medical practices for radiology, internal medicine, urology, paediatrics, angiology, gynaecology and obstetrics. The SDU-2200 PRO also serves as an all-round system that complies with the basic requirements of cardiologic diagnosis.

High diagnostic confidence, efficiency and patient-friendliness all come together in the PRO series. In this way medical as well as economic considerations are combined.

Cardiologic applications make the difference

SDU-1200 PRO and SDU-2200 PRO distinguish themselves through their high image quality and the sensitive color Doppler module. They

use procedures originating from Shimadzu's digital angiographic systems. Storable presettings facilitate easy handling of the instruments. Macro imaging enables optimization of patient-specific image parameters for any type of application. Diagnostic results are stored in JPEG-compressed DICOM format and are quickly and easily recalled. Storage and data recall is also possible via a network.

Modern technologies such as Tissue Harmonic Imaging, high-contrast Chromato Imaging, spectral Doppler analysis or Power Doppler imaging are all standard features. The 3-D imaging function is optionally available. The integrated cinema function 'Cine Memory' supports separation and unscrambling of single images from a continually repeating movie for easy examination. In addition, it is possible to optimally tune both systems of the PRO series with respect to individual patient characteristics.

In comparison with the SDU-1200 PRO compact system, the universal SDU-2200 PRO system is also suitable for cardiological examinations. For this purpose, a digital beam former with 1024 processing channels is used, enabling optimum resolution and high image iteration frequencies in all imaging modes. Image acquisition in broadband technology (True Broad Bandwidth) up to 15 MHz as well as the phased-array technology is also part of the standard equipment for cardiology applications.

Electronic probes with broadband technology

A wide range of high-resolution broadband probes supports a multitude of clinical applications. They cover a frequency spectrum of 1.5 up to 15 MHz. The low weights of the probes enable easy handling and the narrow probe dimensions and ergonomic design make them extremely patient-friendly.

Caption: The SDU-1200 PRO compact system meets all requirements of modern ultrasound diagnostics – the SDU-2200 PRO universal system is also suitable for cardiological applications.

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