Combine the Best of Both Worlds

Master structural heart disease therapy with a top-notch multimodality solution

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When expert teamwork is a must

Treatment options for structural heart disease (SHD) are developing with breathtaking speed. However, the multidisciplinary and multimodality approach of these new interventions puts high demands on cardiac teams and their imaging systems, calling for extreme precision and seamless cooperation. You can master these challenges with a solution that enables smooth teamwork and provides the latest advances in both ultrasound and angiography.
SHD procedures not just demand easy-to-read information but also fast, actionable understanding based on advanced imaging. The ACUSON SC2000™ PRIME ultrasound system provides everything you need to make confident, well-informed decisions without missing a beat. This versatile platform offers one solution for 2D and 3D TTE, TEE, and ICE imaging – and its revolutionary new transducer enables true volume TEE.

Real-time, full-volume imaging

Advanced 3D TEE and real-time volume color Doppler allow visualization of form, function, and flow in one volume view – without compromises. Even in patients with arrhythmias, these technological innovations arm you with a complete picture.

Accelerated analysis

ACUSON SC2000 PRIME features the eSieValves™ package for fast, automated, and comprehensive analysis of valvular anatomy and function, including automated measurements of the annulus and leaflets.

Engineered for action

With its innovative technology, ACUSON SC2000 PRIME is designed for easy acquisition, manipulation, navigation, and quantification. The fully shielded TEE transducer and improved thermal management enable streamlined and uninterrupted procedures.

A perfect fit with all Artis systems

The Artis zeego is the preferred partner system in hybrid cath labs and complex SHD procedures, however you can also combine ACUSON SC2000 PRIME with all other Artis systems – Artis one, Artis zee, Artis Q, and Artis Q.zen – for excellent support during cardiac interventions.
With the growing complexity of SHD procedures, you need an angiographic solution that meets today’s demands, providing you with seamless workflows and extreme precision with high-quality 3D imaging. With its unique multi-axis robotic technology and advanced imaging tools, Artis zeego lets you master the challenges of hybrid interventions with confidence and ease.

Full positioning flexibility
The unmatched flexibility of Artis zeego ensures optimal integration of angiographic imaging into SHD workflows allowing optimal patient access and ample space for echo-cardiography and anesthesia. The floor-mounted design ensures that interference of the C-arm with the laminar airflow is minimized and the highest hygienic standards are supported.

New perspectives with 3D
syngo DynaCT Cardiac has revolutionized cardiac imaging with rotational angiography that provides CT-like images of the heart. The high-quality 3D volumes facilitate precise anatomic assessment, procedure planning, and completion control – and have therefore been recommended by the ACC and STS for complex procedures like TAVI.*

Effective device guidance
With an overlay of live fluoroscopy and matching 3D volumes acquired either pre- or intra-procedurally, syngo 3D Roadmap effectively supports interventions such as TAVI or LAA occlusion and allows a reduction of contrast media, dose, and examination time.

Enhanced valve positioning
syngo Aortic Valve Guidance provides an automatic segmentation of the aortic root, indication of anatomical landmarks, and the optimal orthogonal view plane in less than 30 seconds – improving workflow and accuracy in valve implementation procedures.

Take confidence to the next level

Revolutionize your SHD treatment by combining Artis angiography systems with the ACUSON SC2000 PRIME ultrasound system. You’ll experience a new level of precision and ease in treatment planning, device guidance, and completion control.

**Advanced 3D TEE**
The new true volume TEE transducer with 90° x 90° real-time imaging provides anatomically precise information.

**Precise flow information**
Real-time volume color Doppler allows accurate, continuous, high-volume rate blood flow visualization, beat by beat.

**Automated analysis package**
eSieValves allows automated valve modeling for a comprehensive understanding of mitral and aortic anatomy within seconds.

**Fully-shielded transducer tip**
Extremely low interference – for example from electrosurgery systems – enables high-quality imaging in 2D and 3D at any time.

**Imaging without overheating**
The transducer’s innovative thermal management prevents overheating – for uninterrupted imaging even in color Doppler mode.
The whole picture right in front of your eyes
Artis Large Display gives the full picture from all modalities on one 60-inch monitor. The layout from up to 24 image sources can be selected at the tableside.

High-performance imaging chain
Artis systems offer a choice of unparalleled imaging technologies, including Artis Q’s powerful GIGALIX X-ray tube and HDR detector with true 16-bit imaging chain.

Unmatched flexibility and 3D imaging
The robotic-assisted C-arm enables your team to perform the widest range of procedures with unlimited patient access and an unprecedented level of in-room 3D imaging capabilities.

Integrated hemodynamic recording and information system
The Sensis amplifier fits seamlessly into the Artis table – for free patient access and easy cleaning.

Dedicated OR table
The Artis OR table with floating table-top and cradle function is particularly well suited for cardiac procedures. Artis zeego and selected ceiling-mounted Artis systems are also fully compatible with Maquet Magnus and Trumpf TruSystem 7500 tables.

CARE+CLEAR
Standard with every Artis system, the CARE tools optimize dose during procedures while CLEAR supports confident decisions with improved image contrast and sharpness.
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