CV Edition
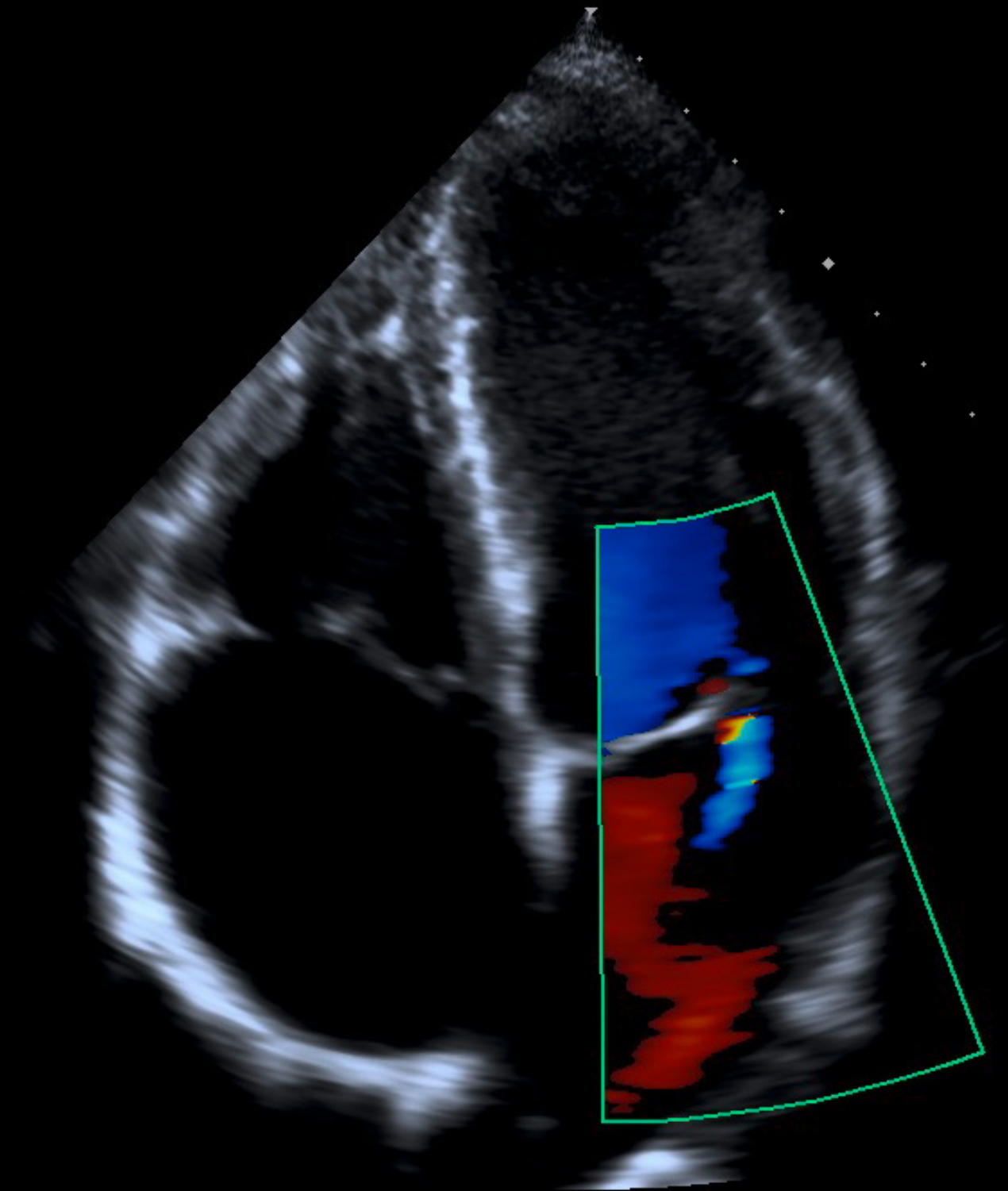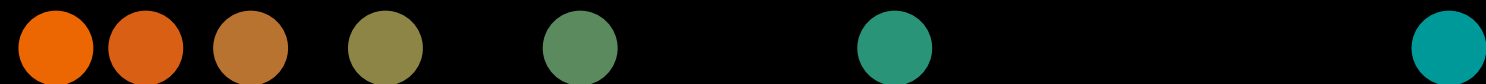
ACUSON Juniper Ultrasound System

When more is essential

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With the number and complexity of cardiovascular cases today, the need for high-quality, fast echo exams is growing throughout the healthcare system from the hospital to the physician office, and from the echo lab to the patient's bedside. To meet this need, the ACUSON Juniper ultrasound system provides advanced applications and imaging performance while featuring a small footprint, lightweight and ergonomic design.

The system's image uniformity, superb tissue differentiation, high contrast resolution, versatility, and adaptability make it ideal for many cardiology case types and patients regardless of size, weight, or condition.

> Evaluate cardiovascular health risks such as chest pain, dyspnea, hypertension, or arrhythmia to determine a precise course of care

> Make an accurate and efficient diagnosis quickly so treatment can start as early as possible for heart disease or heart failure in adult, pediatric and neonatal patients

> Detect congenital heart defects before birth with a fetal echocardiogram

Excellent image quality for confident diagnosis in cardiology patients

Full Suite of 2D Cardiac Transducers

5P1 single crystal transducer, 8V4, 10V4, and the 5VT transesophageal transducer; with five active imaging ports for a wide range of imaging capabilities.

Dynamic Persistence and Auto Flash Artifact Suppression

These advanced technologies detect and reduce motion artifacts and noise while simultaneously enhancing B-mode and color imaging sensitivity, ideal for cardiology patients.

eSieImage Multiparametric Optimization

Enhances workflow by delivering a uniform image, removing unnecessary keystrokes, and potentially reducing exam time.

Customizable with Advanced Imaging Applications

Advanced applications include stress echo, *syngo* Velocity Vector Imaging technology (VVI), left ventricular opacification (LVO) contrast imaging, AI-powered[1] eSie Measure workflow acceleration package and eSie Left Heart measurement package.

Automated measurement of volume and ejection fraction for LV and LA function in 2D echo using AI-powered eSie Left Heart.

Left ventricular outflow tract image using the 5VT transesophageal transducer.

A comprehensive and flexible stress echo package includes the ability to customize stress echo protocols and wall motion scoring for accurate assessment of cardiac pathologies.

Unlimited versatility and effortless maneuverability
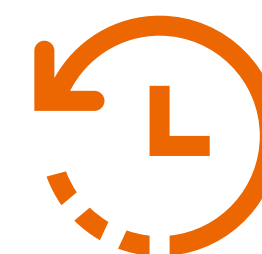
Lightweight and portable

The ACUSON Juniper ultrasound system weighs an average of 27% less and has up to a 36% smaller footprint than other systems in its class[2] to accommodate tight spaces with no trade-off in performance.

Battery support and quick boot-up

The system's quick boot-up in less than 5 seconds is designed for fast exams. Improved ergonomics and exam efficiency at the patient's bedside enabling up to 75 minutes of scanning unplugged.

Easy-to-learn workflow tools

Its easy-to-learn workflow tools assist busy cardiology practices, maintain high-quality exams and address everyday clinical and workflow challenges while helping to reduce the time required to conduct, analyze, and report on exams.

Up to
75 minutes
of scanning unplugged

Advanced imaging tools for improved clinical decisions

LVO contrast imaging

Improved visualization of cardiac chambers and walls.

Assess myocardial motion and mechanics

Global longitudinal strain (GLS), global circumferential strain (GCS), and global radial strain (GRS) – using *syngo* VVI.

The 5P1 transducer with single crystal technology

Allows for more uniform wide-bandwidth imaging resulting in higher resolution images.

Pediatric Imaging

Parasternal long axis view, acquired the 8V4 pediatric transthoracic transducer.

At Siemens Healthineers, we pioneer breakthroughs in healthcare. For everyone. Everywhere. By constantly bringing breakthrough innovations to market, we enable healthcare professionals to deliver high-quality care, leading to the best possible outcome for patients.

Our portfolio, spanning from in-vitro and in-vivo diagnostics to image-guided therapy and innovative cancer care, is crucial for clinical decision-making and treatment pathways. With our strengths in patient twinning, precision therapy, as well as digital, data, and artificial intelligence (AI), we are well positioned to take on the biggest challenges in healthcare. We will continue to build on these strengths to help fight the world's most threatening diseases, improving the quality of outcomes, and enabling access to care.

We are a team of 66,000 highly dedicated employees across more than 70 countries passionately pushing the boundaries of what's possible in healthcare to help improve people's lives around the world.

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CV Edition refers to a configuration that combines available cardiovascular options on the ACUSON Juniper ultrasound system.