GE HealthCare

Ultrasound in Perioperative Anesthesia

Venue family systems*

Now everywhere is point of care^

*Venue family, as referenced herein, includes Venue™, Venue Go™, Venue Fit™, and Venue Sprint™ systems

Empowered assessments

Keeping patients safe and comfortable in the OR

As a perioperative anesthesiologist, you're focused on performing patient assessments while ensuring patient comfort. We've designed Venue family ultrasound systems to help you make clinical decisions with confidence and decrease the risk of complications.
Venue family systems allow you to:

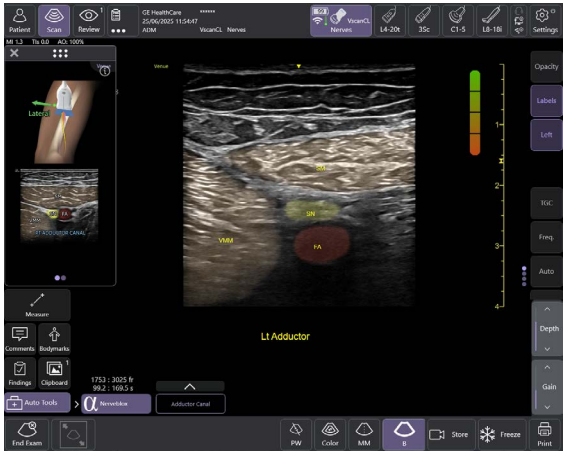
- Label key anatomical landmarks in the ultrasound image automatically with Nerveblox, an AI-enabled tool
- Enable your fast assessment of endotracheal tube placement, cardiac function, pulmonary function, and aspiration risk
- See needles and guide them exactly where they need to be using advanced needle recognition tools
- Create visual documentation automatically

Whether you're looking for an adaptable model that goes from cart to table to wall, or a console system with a large screen, there is a versatile, robust, easy-to-use Venue family system made for you.

From block to periop

Leveraging data and proprietary algorithms, Venue™ family systems bring advanced AI-based tools and clinical support innovations to perioperative anesthesia.

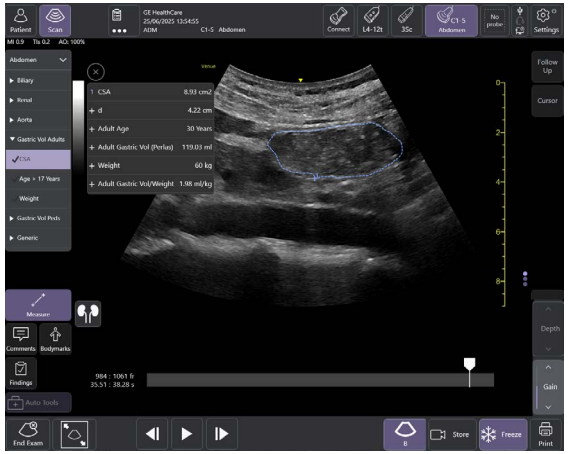
Nerveblox™



Confidently perform ultrasound-guided peripheral nerve blocks with Nerveblox.

Standard for Venue and Venue Go, this AI-enabled tool automatically labels key anatomical landmarks in the ultrasound image, helping clinicians feel confident during the procedure and streamlining the workflow with the goal of reducing procedure time.

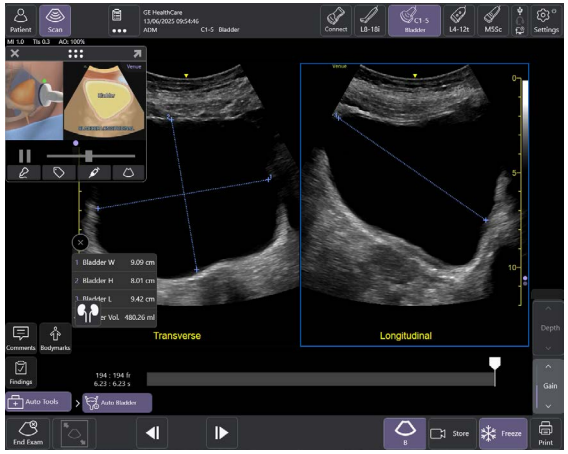
Gastric Measurement



This easy-to-use decision support and measurement tool helps you to calculate the gastric cross-sectional area, volume and the volume-to-weight ratio.

May help reduce the risk of perioperative pulmonary aspiration by assisting you in the identification of patients with increased gastric content, who may benefit from adjusted anesthetic management.

Auto Bladder Volume

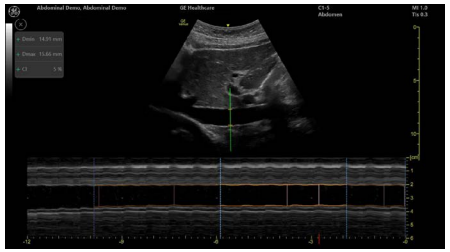


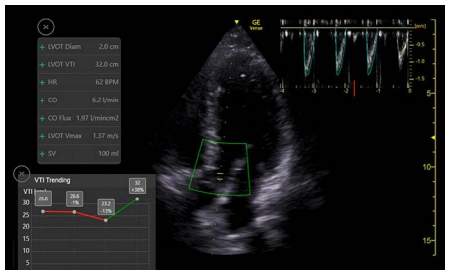
This AI-enabled tool provides rapid and easy urinary bladder volume measurements, saving clinicians valuable time and enhancing clinical accuracy. It measures bladder dimensions and calculates the bladder volume from two views: transverse and longitudinal.

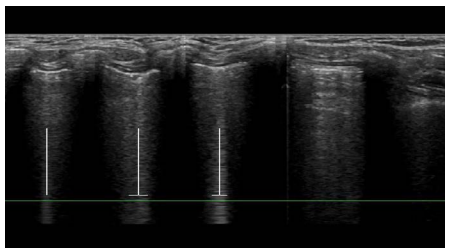
- 90% success rate with user accepting the automatic caliper placement nine out of ten times[1]
- Reduced exam clicks from 18 clicks to five dramatically improving workflow[2]

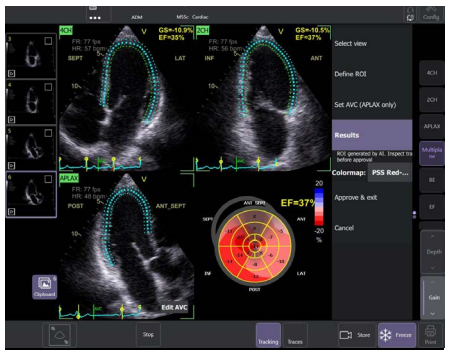
Work smarter not harder with AI-enabled tools

Venue family ultrasound systems are designed to simplify the complex—helping clinicians increase exam efficiency for perioperative patients. Leveraging data and proprietary algorithms, AI-based clinical tools help users of all experience levels confidently make clinical decisions.









Real-time EF

Enables continuous calculation of real-time ejection fraction without having to conduct an ECG. **Capture instant, precise results—within +/– 10 percent points of experts in 86% of cases.**[3]

Shock toolkit

Facilitates shock evaluation by focusing on key organs linked to patient status: the heart, lungs, and inferior vena cava.

Associated rapid assessments:

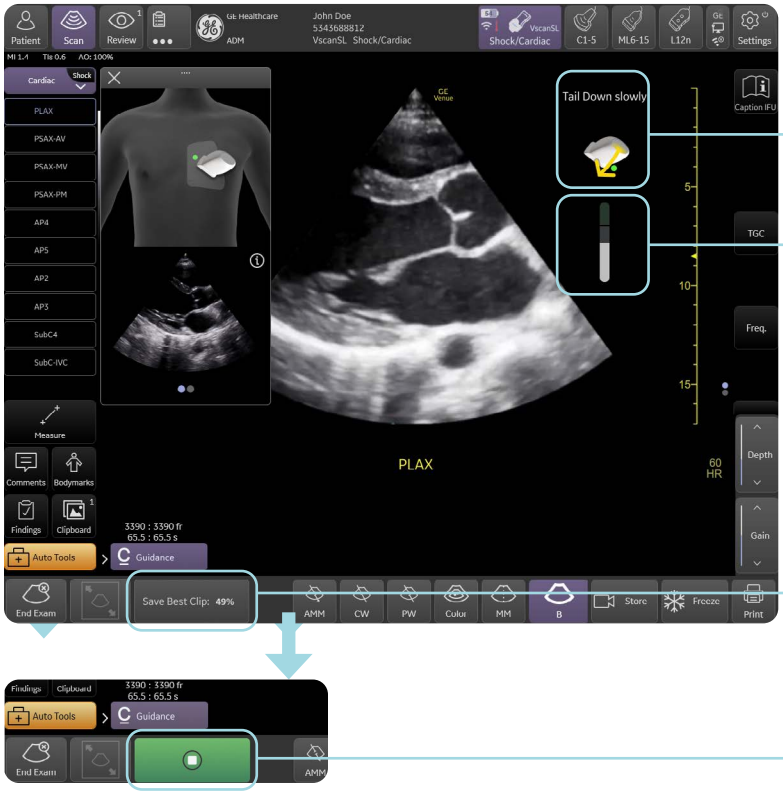
- **Auto IVC**
  Measure IVC collapsibility or distensibility accurately and automatically. **Equivalent to an expert user's ability 87% of the time.**[4]
- **Auto VTI**
  The VTI trending function helps clinicians quickly visualize the trend so the next course of action can be determined. **Experience up to 87% time savings.**[5]
- **Auto B-Lines**
  Calculate overall lung score in one step. You can also use it with Lung Sweep to highlight B-lines and display the frame with the most B-lines per rib space. **As highly reliable as visual counting.**[6]

Automated Function Imaging (AFI)†

Quickly and easily assess structural heart defects.

Scan with confidence

Now there's a built-in tool to help you capture diagnostic-quality cardiac ultrasound images. Thanks to Caption Guidance™ AI-driven software, even new ultrasound users can capture cardiac images successfully.



1 Prescriptive Guidance

See real-time, turn-by-turn guidance that prompts your movements to properly position your probe for the view you want to capture.

2 Quality Meter

Watch the meter rise as the image improves and gets closer to diagnostic-quality.

3 Save Best Clip

At the touch of a button, Save Best Clip will select the best available image loop from the continuous recording for each view.

4 AutoCapture

For cases where you can reach the quality threshold, AutoCapture will automatically save your clip, hands-free. No need to press record to capture your images.

Guiding you to acquire quality cardiac ultrasound images

Real-time, turn-by-turn on-screen guidance prompts your probe movements to help capture a diagnostic-quality image.

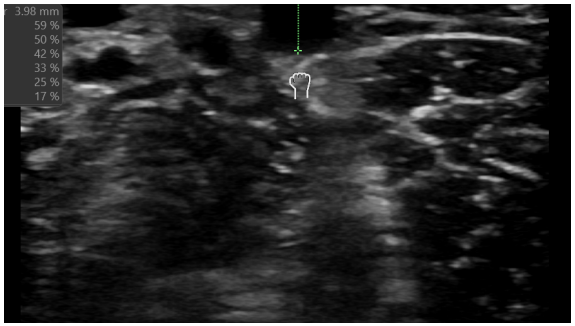
Scan your way

Customizable scanning protocols allow you the flexibility to select key cardiac views – up to 10. While scanning, you can easily skip to the view you desire.

Learn more about Caption Guidance

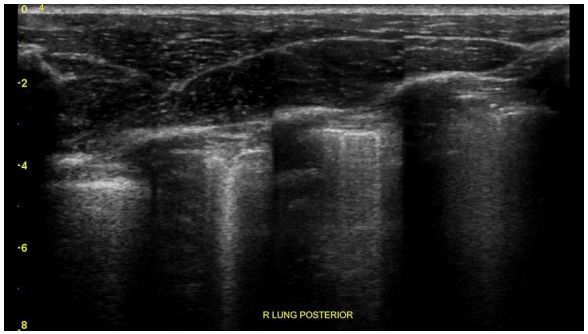
Think and act quickly with advanced capabilities

Venue family systems feature a broad array of tools you can use to help improve patient comfort, increase productivity and throughput, and decrease the risk of complications. Built-in learning helps inexperienced users get up to speed fast, helping elevate department expertise and consistency. Needle-precision guidance helps users easily differentiate between the needle and anatomy to help guide the needle exactly where it needs to be.



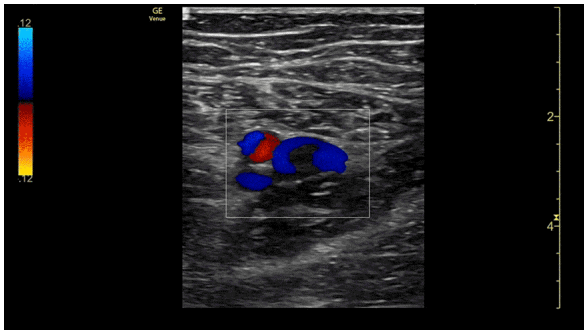
Select the right catheter with catheter to vessel ratio

Supports you in selecting the appropriate sized catheter based on vessel diameter.



See the entire lung with Lung Sweep

Provides a dynamic, panoramic view of the entire lung.



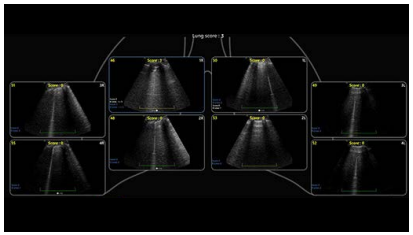
Visualize blood flow with Color Flow

Provides a real-time, two-dimensional, cross-sectional view of blood flow.

Keep moving with an intelligent workflow

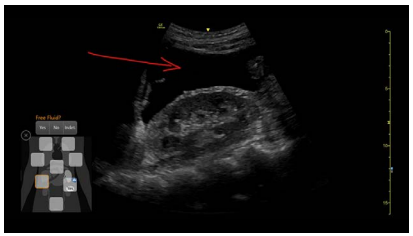
The Venue family systems handle the busywork with protocol management and easy documentation features to provide a visual overview—reducing keystrokes by up to 80%[3] and empowering you to make fast assessments.

Easy and fast exam documentation



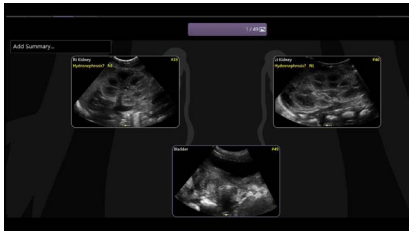
Lung diagram

Single-view diagram of anatomical lung segments with one-click image storing that automatically calculates the Lung Ultrasound Score (LUSS).



eFAST diagram

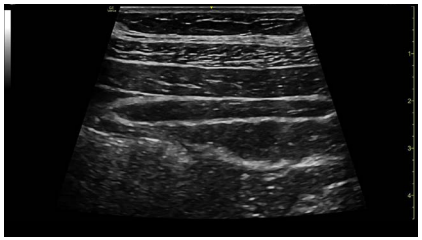
Assess and document patient status, from internal bleeding to pneumothorax.



Renal diagram

Provides easy follow-up for patients with suspected hydronephrosis.

See more, faster



Virtual Convex

Provides a wider field of view so you can visualize larger anatomy structures in a single scan and aims to enhance image quality on linear probes.

Simple Screen

Remove the clutter and see only what you need to see. This feature allows you to see up to a 39%[3] larger ultrasound image and view only the icons you want.

Assist training with Scribble

Fast-track training by leveraging a touch-operated pointer and free-drawing capabilities, visible on an external monitor or shared screen.

See what you need to see

Experience clear images on a range of patients, from adult to pediatric, with the latest probes and transducers for the Venue family. With our button probes, you can perform procedures while controlling multiple parameters from the probe without breaking the sterile field. Needle procedures that once required two people can now be done with one.

Linear

L4-20t-RS

XDclear™

Supports high-frequency imaging of superficial structures while also being able to penetrate deeper anatomy without compromising imaging quality. With four configurable buttons.

L4-12t-RS

Four-button programmable transducer for peripheral vascular, nerve blocks, and needle guidance.

L10-22-RS

A high-frequency linear array.

9L-RS

A linear array specifically designed for vascular access.

12L-RS

An excellent linear transducer for peripheral vascular, small parts, nerves, and pediatric medicine.

L8-18i-RS

Specially designed and utilized for applications like peripheral vascular, small parts, nerve blocks, and needle guidance.

Phased

M5Sc-RS

Probe for abdominal, pediatrics, and cardiac imaging applications.

Available on Venue only.

3Sc-RS

Transducer for adult cardiac, abdomen, pediatric, renal, and adult transcranial applications.

Curved (convex)

C1-5-RS

Supporting imaging of mid to deep structures.

C2-9-RS

XDclear™

Curved probe with XDclear technology delivers powerful high fidelity and wide bandwidth for impressive deep penetration and high resolution.

TEE probe

6Tc-RS

Specially designed and utilized for adult cardiac applications.

Wireless dual probes

Vscan Air™ SL & Vscan Air CL

Dual-probe imaging power—complete shallow and deep scans without switching probes or compromising image quality. SL features linear and sector ends, while CL features linear and curved ends.

Explore all ultrasound transducers

Made for your point of care

From bedside to tight spaces, our systems can go from cart to table to wall to accommodate procedural environments.

Easy to reach probes

Smart cable management puts probes safely up top and cables out of the way and off the floor

Easy to clean

Smooth and seamless surface supports infection control efforts

Reliable support

The Venue family is backed by a multi-year warranty[7]

Long operation

Batteries can provide active scan times of up to four hours

Robust

A durable screen, bumpers and multi-purpose handles protect against bumps, bangs, and slashes

Easy to move

Sleek footprint and big wheels for nimble maneuvering.

Find a Venue family system that will fit right in

Wherever you perform procedures, there is a Venue family system designed to meet your needs. Learn more about the members of the Venue family with this side-by-side comparison.

	Venue	Venue Go	Venue Fit	Venue Sprint
Portability	Adjustable cart base	Unit detaches from adjustable cart and allows for use on table top or standard VESA® connection	Unit detaches from adjustable cart and allows for use with kickstand or standard VESA connection	Tablet style detaches from cart
Battery life (scan time)	Up to 4 hours	Up to 2 hours	Up to 1 hour	Up to 50 minutes
Monitor size	19" (48.3 cm) color touch screen	15.6" (39.6 cm) color touch screen	14" (35.6 cm) color touch screen	13" (33 cm) color touch screen
Ratio	5:4	16:9	16:9	16:9
Active probe ports	4 (plus wireless connectivity)	3 (plus wireless connectivity)	2 (plus wireless connectivity)	Wireless only
Footprint of cart	19.4" (492.8 mm) wide x 21.4" (543.6 mm) deep	19.9" (505 mm) wide x 18.9" (480 mm) deep	18.7" (474.9 mm) wide x 18.7" (474.9 mm) deep	18.7" (474.9 mm) wide x 18.7" (474.9 mm) deep
Weight of unit (off cart)	–	13.9 lbs. (6.3 kg)	12 lbs. (5.44 kg)	1.97 lbs. (0.89 kg)

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Learn more about the Venue family at work in perioperative care

About GE HealthCare Technologies Inc.

GE HealthCare is a trusted partner and leading global healthcare solutions provider, innovating medical technology, pharmaceutical diagnostics, and integrated, cloud-first AI-enabled solutions, services and data analytics. We aim to make hospitals and health systems more efficient, clinicians more effective, therapies more precise, and patients healthier and happier. Serving patients and providers for more than 125 years, GE HealthCare is advancing personalized, connected and compassionate care, while simplifying the patient's journey across care pathways. Together, our Imaging, Advanced Visualization Solutions, Patient Care Solutions and Pharmaceutical Diagnostics businesses help improve patient care from screening and diagnosis to therapy and monitoring. We are a $19.7 billion business with approximately 53,000 colleagues working to create a world where healthcare has no limits.

Follow us on Facebook, LinkedIn, X, Instagram and Insights for the latest news, or visit our website gehealthcare.com for more information.

References:

1. GE HealthCare internal study DOC3138602.\
2. GE HealthCare internal study DOC3139738.
3. Messaging and claims DOC2454794 and DOC2391130.
4. Technical product claims DOC2199650.
5. GE HealthCare Internal study DOC2254811.
6. Short J, Acebes C, Rodriguez-de-Lema G, et al. Visual versus automatic ultrasound scoring of lung B-lines: reliability and consistency between systems. Med Ultra graphy 2019, Vol 21 no1, 45049 DOI: 10.11152/mu-1885.
7. Please consult your local GE HealthCare representative for warranty term information in your region.

† AFI is available on Venue and Venue Go.

^Venue family is intended to be used in hospitals and medical clinics. Venue Sprint is intended to be used in home environments and road or air ambulance, in addition.

Offerings mentioned in the material may be subject to government regulations and may not be available in all countries. Please check with local GE HealthCare representative for details.

GE HealthCare reserves the right to make changes in specifications and features shown herein, or discontinue the product described at any time without notice or obligation.

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