



# Ultrasound in Emergency Care

Venue family systems\*

Now everywhere  
is point of care

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

# When seconds matter

## Quickly assess patients so you can make fast clinical decisions

Every second matters during emergency care so we designed the Venue family of ultrasound systems to reduce exam time, reduce keystrokes and increase exam consistency in critical moments. Venue family products can speed decision-making and triage by helping you:

- **Expedite exams**

Advanced clinical tools help support your fast decision-making, and workflow simplification helps clinicians save time and speed care delivery. Leveraging data and proprietary algorithms, AI-based clinical tools take steps out of assessments.

- **Reliably perform assessments**

Venue family systems are built for durability, sterility and reliability. In tight, high-use environments, like the Emergency Department, you can count on these robust systems for clear images on a wide range of patients time after time.

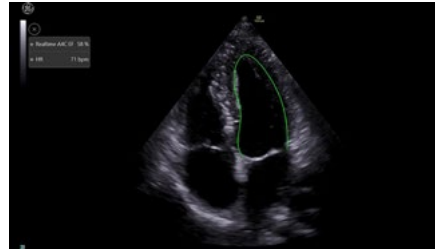
- **Elevate department consistency**

With a simplified workflow and built-in user training tool, Venue family systems enable even inexperienced users to get up to speed fast, helping elevate department expertise so patients are consistently moved along the care pathway quickly.



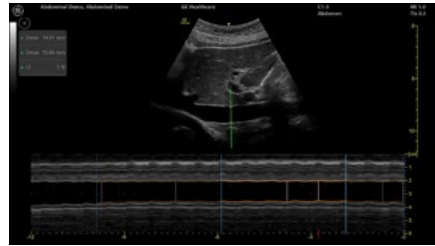
# Let's simplify the complex

As time is critical, ER physicians want to work smarter not harder. Leveraging data and proprietary algorithms, AI-based clinical tools help users of all experience levels make fast clinical decisions with confidence.



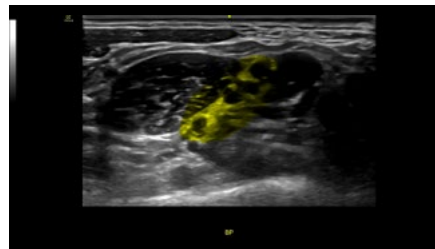
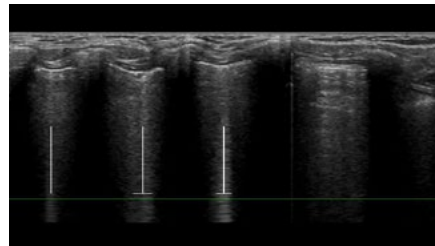
## Real-time EF\*

Enables continuous calculation of real-time ejection fraction without having to conduct an ECG. Capture instant, precise results—within +/- 10 points of experts in 86% of cases!<sup>1</sup>



## Shock toolkit\*

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



### Associated rapid assessments:

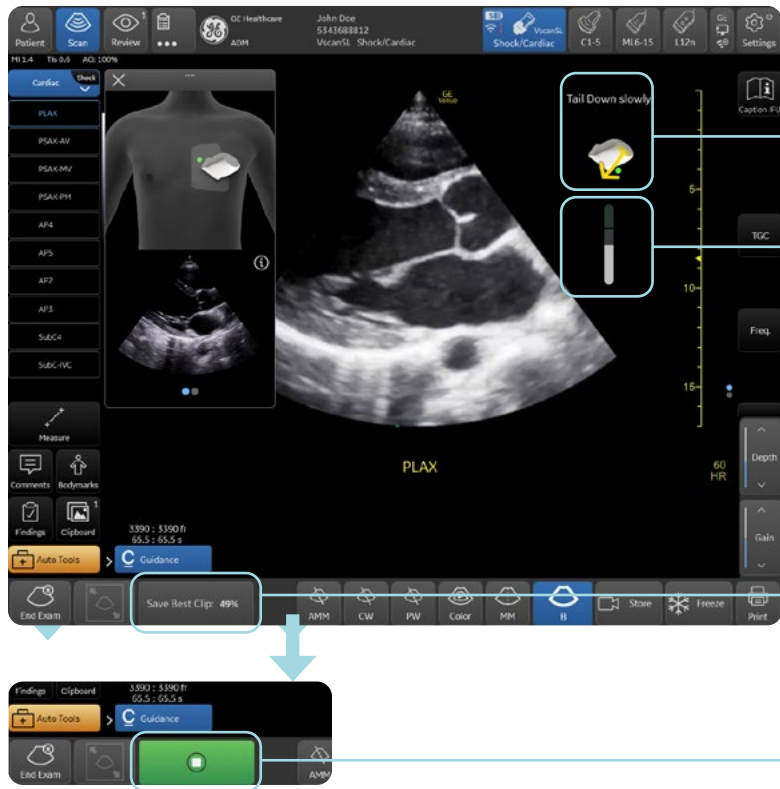
- **Auto IVC**  
Measure IVC collapsibility or distensibility accurately and automatically. **Equivalent to an expert user's ability 87% of the time**<sup>2</sup>
- **Auto VTI**  
The VTI trending function helps clinicians quickly visualize the trend so the next course of action can be determined. **Experience up to 82% time savings**<sup>3</sup>
- **Auto B-Lines**  
Calculate overall lung score in one step. You can also use it with Lung Sweep<sup>4</sup> to highlight B-lines and display the frame with the most B-lines per rib space. **As highly reliable as visual counting**<sup>4</sup>



## cNerve

During the scouting phase, use cNerve to identify the nerve landmark and see it highlighted on the image. **Helps detect and track the nerve in 99% of cases while scanning or reviewing a stored clip**<sup>5</sup>

# AI helps you scan with confidence



## 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.

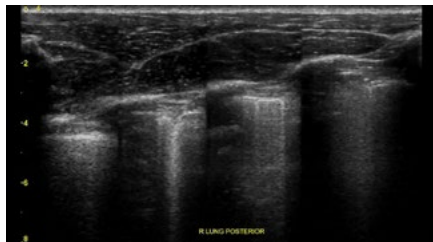
### Scan your way

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](#) 

# Supporting you with advanced tools

Because you're always working to decrease the risk of complications, we've added advanced capabilities to Venue family systems that help eliminate guesswork. These tools focus on common ER exams such as detecting bleeding and assessing lung function. Needle-placement is also simplified, supporting fast and successful central venous access.



## Visualize the entire lung with Lung Sweep\*

Lung Sweep provides a dynamic panoramic view of the entire lung. It activates when the probe taps the body and deactivates when the probe is lifted, so there's no need to touch the screen.



## Visualize blood flow with Color Flow

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



## Improved visualization with Needle Recognition

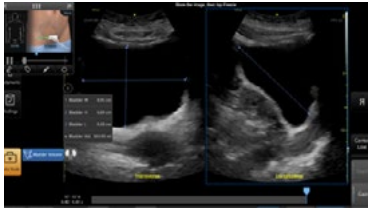
Quickly guide the needle where it needs to be with a real-time view of neural structures, needle advancement, and local anesthetic spread. This technology helps improve both patient and provider experience.



# Move faster with less busywork

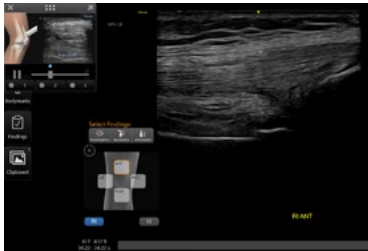
The Venue family systems reduce manual steps with protocol management and easy documentation features to provide a visual overview.

## Easy and fast exam documentation



### Bladder Volume Tool

This simplified workflow tool features reference images as guidance and supports clinicians in calculation of the bladder volume. The tool is designed to guide bladder volume measurements to make it simple and fast.



### Venue Coach MSK

This easy-to-use exam documentation tool assists users through exams by providing reference images and anatomy markups. Multiple anatomical areas and helpful video tutorials help clinicians to acquire the scans they need.

- Focus areas include:
- Shoulder
  - Elbow
  - Knee
  - Wrist/Hand
  - Hip
  - Ankle/Foot



### eFAST diagram

Allows users to assess and document patient status, from internal bleeding to pneumothorax, with up to an 80% reduction in keystrokes.<sup>6</sup>

### Lung diagram

Single-view diagram of anatomical lung segments with one-click image storing that automatically calculates the

Lung Ultrasound Score (LUSS).

### Renal diagram

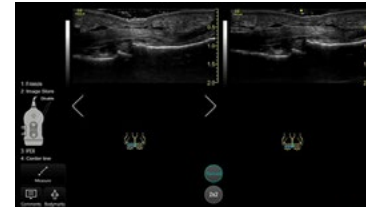
Provides easy follow-up for patients with suspected hydronephrosis.

## See more, faster



### Simple Screen

Remove the clutter and see only what you need to see. This feature allows you to see up to a 39%<sup>7</sup> larger ultrasound image and view only the icons you want.



### Follow Up

Automatically recalls parameter settings from a previous exam, including comments and body patterns. Also supports monitoring patient treatment response over time, with a side-by-side view of historical and new images.

## 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 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.

## 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.



### 12L-RS

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



### 9L-RS

Linear for superficial imaging, designed for deeper nerves, muscles, and vessels.



### ML6-15-RS

Mixed array technology for clear, uniform images superficial to mid-field.



## Phased

### M5Sc-RS\*\*

Probe for abdominal, pediatrics, and cardiac imaging applications.  
Available on Venue only.



## Sector

### 3Sc-RS\*\*

Sector probe for high quality cardiac, abdomen, lung, and transcranial imaging.



### 6Tc-RS

Transesophageal probe designed for high-resolution cardiac images.



## Curved (convex)

### C1-5-RS

A curved array supporting imaging of mid to deep structures.



### 8C-RS

Micro convex with high-frequency, wide field of view and small footprint.



### C2-9-RS

XDclear™

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



## 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.



## Endocavitary

### E8C-RS

High-frequency intracavitary probe designed for imaging in OB/GYN and urology.



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. Smooth and durable surfaces support infection control efforts. Compact footprints and large screens are excellent for bedside interventional procedures with minimal disruption to patients.



## 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<sup>3</sup>



## 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.



# 4 systems. 1 shared platform.

Wherever you perform emergency care, 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
<b>Portability</b>	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
<b>Battery life</b> (scan time)	Up to 4 hours	Up to 2 hours	Up to 1 hour	Up to 50 minutes
<b>Monitor size</b>	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
<b>Ratio</b>	5:4	16:9	16:9	16:9
<b>Active probe ports</b>	4 (plus wireless connectivity)	3 (plus wireless connectivity)	2 (plus wireless connectivity)	Wireless only
<b>Footprint of cart</b>	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
<b>Weight of unit</b> (off cart)	-	13.9 lbs. (6.3 kg)	12 lbs. (5.44 kg)	1.97 lbs. (0.89 kg)



## About GE HealthCare Technologies Inc.

GE HealthCare is a leading global medical technology, pharmaceutical diagnostics, and digital solutions innovator, dedicated to providing integrated solutions, services, and data analytics to make hospitals 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 the care pathway. Together our Imaging, Ultrasound, Patient Care Solutions, and Pharmaceutical Diagnostics businesses help improve patient care from diagnosis, to therapy, to monitoring. We are a \$19.6 billion business with approximately 51,000 colleagues working to create a world where healthcare has no limits.

Follow us on [Facebook](#), [LinkedIn](#), [Twitter](#), [Instagram](#) and [Insights](#) for the latest news, or visit our website [gehealthcare.com](https://www.gehealthcare.com) for more information.

### References:

1. Venue and Venue Go R3 technical claims document (DOC2391130) Venue Fit technical claims document (DOC2454794) 5. In one study, the IVC measures were equivalent to an expert user's ability 87% of the time for minimal diameters and 92% for maximal diameters. Venue Go R2 Technical Product Claims Document DOC2199650.
2. DOC2199650 - SFP2.0 Technical Product Claims Document.
3. Auto VTI can provide up to 90% reduction in keystrokes and take up to 82% less time than manual method calculations, as performed by experts. Based on GE Internal study with Venue Go DOC2254811.
4. A recent study found the Auto B-lines tool to be comparable to and as highly reliable as visual counting performed by experts. 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 Ultrasonography 2019, Vol 21 no1, 45049 DOI: 10.111152/mu-1885.
5. Claims based on data collected in cNerve reading study and based on study done identifying anatomical structures

\*Available on Venue and Venue Go.

\*\*Compatible with Caption Guidance.

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on ultrasound: assistive artificial intelligence in ultrasound-guided regional anesthesia—27 November 2020 Synopsis.

Supporting study documentation:

- cNerve Study May 2022.docx
  - cNerve Study Results.xlsx
6. eFAST Comparison Study: Manual vs. Venue Automation, GE HealthCare Internal Study DOC2222911.
  7. DOC2511354 - Venue Family Simple Screen Image Size Test and Results rev.2.
  8. Please consult your local GE HealthCare representative for warranty term information in your region.