



# LOGIQ S8 XDclear 2.0 Contrast Enhanced Imaging

Visualize tissue vascularity and pattern of focal lesions



## Clinical Challenge

It can be difficult to detect and characterize lesions using traditional ultrasound since they are often isoechoic – making it more challenging to diagnose medical conditions and monitor therapy.

## GE Solution

Contrast Enhanced Imaging (CEUS)<sup>1</sup> from GE Healthcare enables clinicians to get a clear picture of tissue structure, perfusion and lesion vascularity by optimizing the balance between penetration and resolution for improved contrast sensitivity. This helps enhance the clinician's ability to detect and characterize lesions.

## Superb Imaging

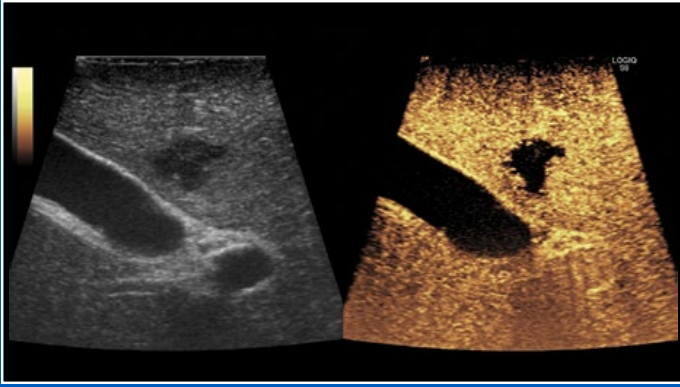
CEUS uses special biocompatible ultrasound contrast agents with a high degree of echogenicity. The LOGIQ™ S8 XDclear™ 2.0 system converts these signals into a contrast-enhanced image. CEUS offers several distinctive advantages for visualization:

**Amplitude Modulation (AM)** – This sophisticated, highly sensitive imaging technique enhances visualization by combining excellent tissue suppression with outstanding penetration. AM has a wide range of settings, depending on the probe, to enable excellent imaging in many different situations.

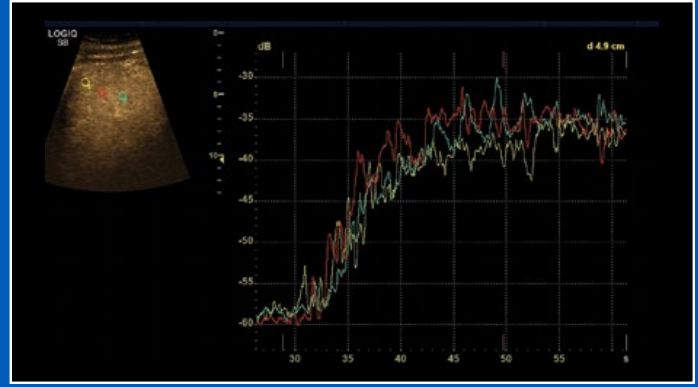
**Hi-Res** – Multiple Phase Inversion waveforms enable superb spatial and temporal resolution in a variety of clinical applications.

## Flexible Imaging Modes including:

- Single image (B-Mode and CEUS)
- Live dual display (B-Ref and CEUS)
- Hybrid Mode (overlay of B-Ref and CEUS) for enhanced contrast visualization
- Static 3D, Quick 3D CEUS, and Auto Sweep with volumetric transducers
- Enhanced B-Flow™ imaging enables direct, real-time visualization of blood flow echoes with no vessel wall overlap to obscure details



Liver, L3-9i-D



Liver with TIC analysis, C1-5-D

## Simplified Workflow

In contrast imaging, time is everything. CEUS is easy to use and supports exam efficiency with:

- Dual measurements and dual clock
- One-touch background storage
- Retrospective and prospective storage
- Max enhance and flash with user selectable settings
- Ability to toggle between tissue, CEUS, and Hybrid
- GE Raw Data processing for increased flexibility
- Working in Volume Navigation Mode
- Volume Navigation with sensors inside the probe to eliminate cables and simplify workflow

**Time Intensity Curves (TIC)** – Using time intensity curve patterns, clinicians can easily analyze the speed, intensity, and dispersion of contrast to assist in tissue differentiation.

- Up to eight user-selectable regions of interest (ROIs)
- Up to ten parameters for Q-Analysis on compressed and uncompressed data
- ROI anchor function
- Motion correction
- Ability to export traces for offline analysis

## Clinical Applications

CEUS is compatible with a wide range of probes for excellent clinical flexibility:

- Abdominal imaging (C1-5-D, C1-6-D, C2-9-D, 9L-D, RAB6-D, C2-6b-D, C1-6VN-D, C2-9VN-D)
- Cardiology (M5S-D, M5Sc-D)
- Interventional (C2-7-D, C2-7VN-D)
- Intra-operative (L3-9i-D)

<sup>1</sup> Contrast Enhanced Ultrasound is available in the U.S. for characterization of focal liver lesions and left ventricle opacity only.

## Imagination at work

**www.gehealthcare.com.** Product may not be available in all countries and regions. Contact a GE Healthcare Representative for more information. Data subject to change.

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