

Frequently Asked Questions

What is Velacur™?

Velacur™ is the first handheld 3D liver health assessment tool with diagnostic accuracy comparable to MRI Elastography and PDFF. It's a breakthrough, point of care ultrasound solution that is redefining the standard of care in quantifying chronic liver disease and paving the way for healthcare providers to better assess and manage fatty liver disease.

What advantages does Velacur™ offer?

- Velacur™ provides immediate, reliable, quantifiable measurements of steatosis and fibrosis at the initial patient point of care with diagnostic accuracy comparable to MRI Elastography and PDFF.
- Velacur™ utilizes deep learning algorithms to ensure liver parenchyma tissue is properly located in all body types and sizes, resulting in a confident assessment of liver health.
- Velacur™ quantifies liver disease using 3D tissue sampling and steady state waves.
- Velacur™ is portable, so it can be used in multiple locations within practice, increasing productivity and throughput.
- With Medicare and third-party payers recognizing ultrasound elastography for liver stiffness assessment, practitioners will experience a positive return on investment.

What clinical validation has been done on the Velacur™ system?

The Velacur™ system has been compared to FibroScan® and MRI in multi-site clinical studies in the US and Canada. Results show Velacur™ has a much higher concordance with MRE and correlation with MRI PDFF than FibroScan®.

How does Velacur™ compare to FibroScan®?

In a five-minute procedure on a standard exam table, Velacur™ measures significantly more liver tissue (30X the volume measured by FibroScan®) using a single probe for all body types (no need for a S, M or XL probe). Velacur™ accurately quantifies fibrosis and steatosis similar to MRI Elastography and PDFF measurements, regardless of the degree of liver disease.

How does Velacur™ compare to MRI?

Velacur™ can be used in a physician's office eliminating the need for patient referral to an MRI radiology center. The procedure can be completed in 5 minutes and provides immediate quantifiable results without the need for a radiologist's interpretation. Velacur™ can also be used on patients contraindicated for MRI (e.g. metal implants, claustrophobia).

How does Velacur™ work?

Velacur™ utilizes state-of-the-art handheld ultrasound and the same principles of next generation, multi-frequency MRI to quantify liver disease. This is accomplished during a five-minute procedure consisting of three steps:

1. **Activation:** An activation pad is placed under the patient's back to create steady state waves similar to MRI elastography.
2. **Ultrasound Scan:** Combined machine learning and B-mode imaging ensures optimal probe position followed by multiple guided 3D "sweeps" with a handheld ultrasound.
3. **Readout:** Accurate and reliable steatosis and fibrosis measurements are generated for immediate clinical assessment.

Is it easy to perform a Velacur™ procedure?

The procedure is a quick, comfortable and non-invasive 3-step process which can be learned by a trained nurse, technician, or medical assistant in a couple of hours. A Velacur™ scan is performed on a standard patient examination bed in a physician's office and is usually performed within a 15-minute appointment.

How long does it take to get Velacur™ results?

Accurate and reliable steatosis and fibrosis measurements are available immediately. There is no need for interpretation by a radiologist.

How reliable is the Velacur™ data?

Velacur™ uses state-of-the-art technology to consistently deliver an accurate and reliable clinical assessment of chronic liver disease, making Velacur™ the preferred first-line non-invasive assessment tool.

What are the limitations of using Velacur™?

The limitations of using Velacur™ are nominal. Patients contraindicated for Velacur™ are those with electronic implantable devices, i.e., pacemakers or internal defibrillators.

How is the Velacur™ system disinfected?

The Velacur™ probe is disinfected like any other ultrasound probe, with high-level disinfectant wipes.



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