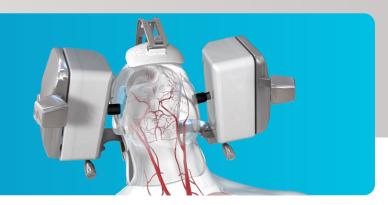


NovaGuide[™]

Intelligent Ultrasound



Assessing Patients with COVID-19

COVID-19 is a complex disease that can affect multiple organ systems and is distinctly different from acute respiratory distress syndrome.

Patients <50 years old have a 700% increased risk of stroke.¹ 78% of patients recently recovered from COVID-19 showed signs of cardiac damage.²

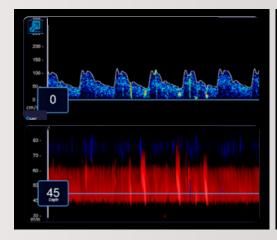
Patients with severe COVID-19 pneumonia are showing high levels of vascular shunting, which is correlated with low lung compliance.³

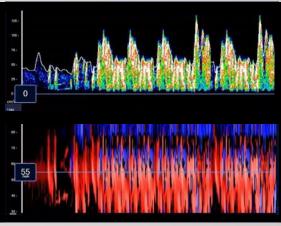
Blood Flow in the Brain is Indicative of Overall Health

A study published in the American Journal of Respiratory and Critical Care Medicine used the NovaGuide to assess mechanically ventilated patients with severe COVID-19 pneumonia.

The NovaGuide detected microbubbles in 83% of mechanically ventilated patients with COVID-19, signaling vascular shunting.³

Data obtained from the NovaGuide indicate that the number and degree of transpulmonary bubbles directly correlates with the degree of hypoxemia.³





Assessment of microbubbles by transcranial Doppler ultrasound after an injection of agitated saline. The top panels display the continuous spectral waveforms of the middle cerebral artery (MCA) during insonation and the bottom panels display the power M-mode. The NovaGuide detected approximately 30 microbubbles in the patient on the left and over 300 in the patient on the right.



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CAUTION: Federal (USA) law restricts this device to sale, distribution by or on the order of a physician. Indications, contraindications, warnings, and instructions for use can be found in the product labeling supplied with each device. The NovaGuide consists of the NovaBot and the Lucid TCD 2.0. It is intended for use as an adjunct to standard clinical practices for measuring and displaying cerebral blood flow velocity and the occurrence of transient emboli within the bloodstream. The NovaGuide is intended to be used by healthcare professionals qualified by training in its safe and effective use. The device is not intended to replace other means of evaluating vital patient physiological processes, is not intended to be used in fetal applications and is not intended to be used inside the sterile field.

The NovaGuide is helping care teams maintain strict infectious disease protocols

The NovaGuide Intelligent Ultrasound enables providers to assess cerebral blood flow while minimizing the potential for exposure to COVID-19.



Portable

Assessments can be conducted on infectious disease floors, eliminating the need for the patient to be transported outside of contained areas



Autonomous

The robotic nature of the system enables autonomous monitoring and reduces contact between providers and patients with COVID-19



Remote Display

The display can be connected via an HDMI cable to televisions outside the treatment room, enabling distanced monitoring

VISIT: NovaSignal.com
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CALL: (877) 638-7251

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