

The Amazing Things an Ultrasound Machine Can Do

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EINPresswire.com/ -- The Amazing
Things an [Ultrasound Machine](#) Can
Do

Ultrasound is the best tool in any
doctor's office.



The ultrasound machine is best known for its use in obstetrics to show proud parents their growing baby. But ultrasound, and ultrasound imaging, can be used for much, much more. Ultrasound is one of the most useful day-to-day tools a medical practice can use, and some of its abilities might surprise you.

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Ultrasound Can Be Used For Far More Imaging Purposes

Did you know that you can use ultrasound to find specific molecules in a patient? Or determine how elastic tissue in a patient is? Or determine how tissue moves in the body over time? In fact, ultrasound, with the right equipment and in the hands of a skilled operator, can create three dimensional images of tissue, all of it shown in real time. While some of this purposes can be highly specialized, all of them are highly effective and used across the world to gather more information about conditions and to observe

how patients react to treatment and therapy over time.

Ultrasound Makes Surgeries Safer

Ultrasound isn't just for babies, even if that's how it's commonly seen on television. By deploying ultrasound imaging during procedures, doctors have a better sense of what's happening inside the body as they do their work. Ultrasound, unlike other medical imaging, offers real-time viewing inside the body and it does so without relying on ionizing radiation, which can elevate risk of certain cancers for patients. As a result, it's a popular tool in surgeries across the world, from the anesthesiologist using it to inject a local anesthetic without damaging nerves, to the urologist using it to examine patients for various types of cancer.



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Ultrasound Reduces Exploratory Surgery

Ultrasound, offering both real-time and more video-like qualities than other types of imaging, is useful for assisting doctors in diagnosing problems without having to put a patient on the table. For example, cardiologists often use ultrasound to examine the heart, as it beats, to find potential problems and decide whether to operate, and ultrasound is actually preferred for examining the thyroid system, which is sensitive to radiation. Ultrasound is even used when staging lung cancer examinations to sample lymph nodes without requiring major surgery. All of this is done without having to touch a scalpel.

Ultrasound has far more uses than just pregnancy.

[Ultrasound Can Be Used For Surgery](#)

Ultrasound is changing how surgery is done in many fields. For example, the kidney stone used to be treated with one of two options; sit around waiting for it to pass and applying painkillers, or opening up the patient, both of which had potentially severe risks. High-energy ultrasound is now commonly used to shatter kidney stones--without having to perform more invasive surgery.

Similarly, ultrasound's use in heating tissue has applications ranging from killing cancer cells noninvasively to helping restore vision to cataract sufferers with phacoemulsification. If a

surgery involves heat, and is better done non-invasively, odds are strong ultrasound can assist with the problem.

Ultrasound is, ultimately, one of the best tools a doctor has at their disposal. If you've got needs for your practice, see what an ultrasound machine can do for you.

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Our goal is to provide a large selection of Medical Specialties with the convenience of online shopping and excellent customer service. Tiara Intania Ltd aims to help our customers make informed decisions, and to provide the medical products they need.

Ami Yetti

Tiara Intania Ltd

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