



Ultrasound Imaging at the Point of Care

Description of solution

Accurate and inexpensive diagnostics at the point of care are critical to reducing health care costs while also improving outcomes. Ultrasound imaging is safe, effective and can save lives, however more than 70% of the world's population does not have access to ultrasound because it is expensive and not portable enough. Mobisante has built The World's First smartphone-based Ultrasound Imaging System, the MobiUS™ SP1 Ultrasound System.

These award winning systems are Personal – they fit in your pocket and can be taken to the patient no matter where they are; Accessible – mid-level professionals can easily operate them; Connected – the ultrasound images can be easily and securely shared for archival, second opinion, or remote diagnosis using a cellular or Wi-Fi network; and they are Affordable – clinics and medical professionals in resource limited settings can afford them. Smartphones can be charged almost anywhere, which ensures that MobiUS devices can operate, independent of the electrical grid, making them an ideal choice for disaster relief organizations and mobile medical professionals.

Benefits of the solution

WHO, WHERE AND WHEN?

Medical Directors and CEOs of health care organizations, large and small, can improve outcomes, increase efficiency and reduce costs by equipping their providers with MobiUS devices. An ER Doctor could carry MobiUS on their person and quickly detect internal bleeding by conducting the FAST exam without waiting for a cart-based system and a specialist to get there. A qualified RN or NP can use ultrasound to guide IV or central lines, reducing the risk of infection or accidentally piercing an artery. A rural OB/GYN can confirm pregnancy and detect common



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complications without sending patients to remote centers. A GP could look for gall bladder and kidney stones, and aneurysms while they are conducting regular physical exams of their patients. Qualified Emergency Responders could use such devices to do simple diagnosis at the site of the accident, as well as send diagnostic data about the patient to the hospital to help them prepare in advance. Connectivity makes it easy to keep a record of all images for reimbursements as well as benchmarking. While this enhanced access to ultrasound imaging

may create a bigger demand for the expertise of Radiologists,, in the long term it will reduce costs by enabling earlier and faster diagnosis.

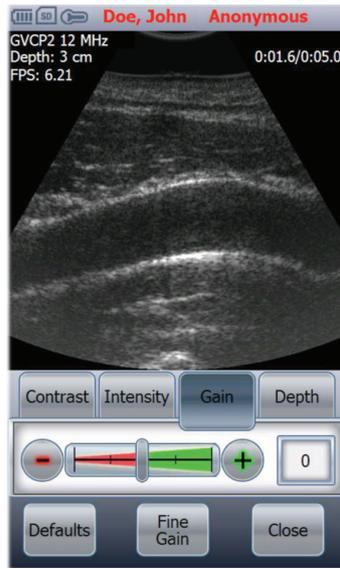
Clinical applications

Primary Care: Examination of abdomen, aorta, kidneys, gall bladder, thyroid, soft tissues, vascular, implants, foreign bodies, bladder volume. OB/GYN: Pregnancy confirmation/ dates, viability,placenta, fetal lie (breach), ectopic pregnancy, amniotic fluid assessment. ER: FAST protocol to detect impact of trauma. Vascular: DVT evaluation, vascular access.

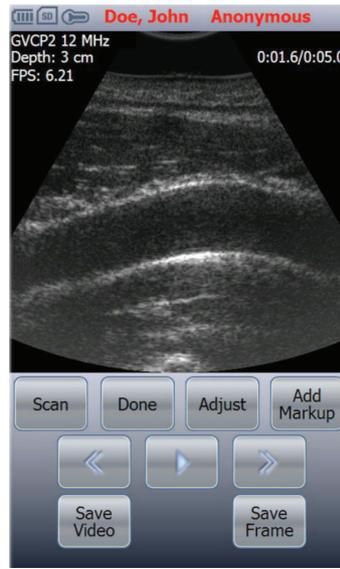
"I can see what I need to see and the convenience is unbeatable." **Dr. Oliver Alami**, Valley Medical Center



Exam Screen



Adjust Image Gain



Scan Review



Review Screen



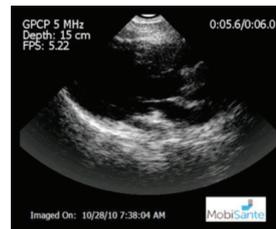
Gall Bladder



Liver



Aorta



Heart



Bladder & Uterus

Specifications

Display: 4.1" WVGA (800x480) touch screen

Dimensions: 5.1" x 2.75" x 0.4"

Weight: 11.6 oz

Image Resolution: Up to 480x480

Image Size: ~ 250KB as .BSX or ~42KB as JPEG

Touch Screen User-Interface

Imaging Presets, Plus Optimization: Gain – Near, Mid, Far; Depth, Scale, Intensity, Contrast, Text annotations, Arrow, Measurements

Image storage: 8GB (+32,000 images) or optional additional storage up to 32GB

Cine: up to 6 secs, ~4MB

Share Images: Email or USB cable to PC

Network Connectivity: WiFi or cellular

Battery: 1300 mAh +, continuous scan time > 60 min

Patient Data: First name, Last name, ID, DOB, Picture

Cold Start: 45 seconds, instant on PC Viewer: Included, compatible with Windows 7, XP, Vista, free download

Supported Transducers: 3.5 and 5.0 MHz — Abdominal, OB/Gyn, Guidance procedures 7.5 and 12 MHz — Vascular, Small organs

Standard Configuration in Soft Case: Smartphone with 8GB Micro-SD memory card, one transducer, USB cable, power cord, gel. Quick-Start Guide, Operator's Manual.

MobiUS is cleared by the FDA