

Superior MSK imaging and needle visualization.



Compact superior imaging system with an intuitive touchscreen user interface for rapid and confident evaluation.

For confident MSK tissue visualization, the SONIMAGE[®] HS1 provides dynamic imaging along with enhanced needle guidance for therapeutic procedures in a compact design. The broad frequency linear probe, L18-4, scans both deep and superficial joints and structures. Intuitive gesture controls and focused exam presets minimize the user learning curve, with no need to navigate a knob cluttered keyboard.

- Superior image quality for confident diagnosis
- Simple Needle Visualization (SNV[™]) improves needle visibility
- Easy to use intuitive touch screen



Compact superior imaging system with an intuitive touchscreen user interface.

The **HS1 System** provides immediate, accurate assessment of a patient's condition for better decisions, sooner. Beyond confident diagnosis, the lightweight, portable system also provides therapeutic needle guidance.

Superior Image Quality and Needle Visualization for Rapid, Confident Decisions

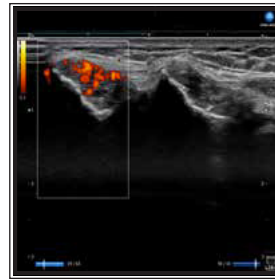
From the clinic to the bedside, SONIMAGE HS1 delivers the superior image quality and needle visualization required for confident patient care decisions across a variety of MSK environments - orthopedics, sports medicine, physical medicine, and pain management.

The SONIMAGE HS1, with enhanced signal penetration, increased color flow sensitivity, and improved resolution, is capable of detailed tissue differentiation, detecting structures as small as several hundred microns. In conjunction with beam-steering technology, SONIMAGE HS1 incorporates an advanced algorithm that utilizes both the in-plane and out-of-plane methods to improve needle visibility, especially in steep angle approaches. The resulting clarity of the needle enables increased accuracy in needle placement, making the portable system an ideal solution for pain management guided injections.

Trapezoid imaging, found in the SONIMAGE HS1, further benefits the clinician by expanding the field of view, similar to a curved array. An expanded field of view minimizes blind areas in injection procedures. In addition, compare mode allows the SONIMAGE HS1 to retrieve a previously scanned image and visually compare it side-by-side with a live image, showing a real time assessment of the patient's progress.

Easy to Use

An intuitive touchscreen, eight button console, and focused MSK exams minimize the user learning curve, with no need to navigate a knob cluttered keyboard. Simply select a focused exam preset and relevant functions become accessible on the top level screen.



Epicondylitis of the left elbow. Power Doppler Imaging (PDI) was used to show increase flow in the area of inflammation.



Median nerve with a small mass at the retinaculum. Using Triad Harmonics and Compound Imaging the components of this mass were easily defined.



Metacarpophalangeal joint (MCP). Using the linear probe with a frequency range of 4-18MHz and HRes 2 the detail of the joint and tendon are enhanced.



Short axis view of the supraspinatus acquired with the high frequency linear probe and Triad Harmonics to clearly display the echogenicity differences of the mild tendinosis.



Normal biceps tendon in the short axis.



Medial Meniscus of the left knee.