



Sahara Clinical Bone Sonometer

Build your practice serving
a critical medical need



HOLOGIC

Osteoporosis

Affects millions, costs billions

In response to a growing array of effective drug therapies now available for the treatment of osteoporosis, the evaluation of bone status has become an essential component of women's health. Ultrasound bone sonometry is a safe, radiation-free modality that provides precise quantitative assessment of skeletal status, information that is particularly useful for identifying patients at risk of developing osteoporosis and for assessing their risk of future fracture.

Now you can add bone-testing capabilities to your private practice or clinic with the portable, easy-to-use Sahara Clinical Bone Sonometer. In less than one minute and with the push of a button, you can estimate a patient's bone mineral density (BMD), based on an ultrasound measurement of the calcaneus (heel bone), the preferred peripheral site proven in numerous studies to predict fracture risk. With Sahara, there's finally an ultrasound modality for bone assessment that is simple, convenient and practical for the office-based physician.



FACT* One out of every two women over 50 will have an osteoporosis-related fracture in their lifetime, with risk of fracture increasing with age. Due primarily to the aging of the population and the previous lack of focus on bone health, the number of hip fractures in the United States could double or even triple by the year 2020.

Bone Health and Osteoporosis, A report of the U.S. Surgeon General, 11/2004.

Compact and lightweight, Sahara requires a minimum of space and performs a skeletal assessment in just 10 seconds. A Sahara Soft Pack mobile storage system is available to make the system easy to move, and store.

Clinical confidence

What you would expect from the leader in osteoporosis assessment



Fast, convenient and simple to use

- **Fully Dry Operation**

No water required! There are no water bladders that can puncture and leak, making it portable and more convenient for patients and operator.

- **Simple to Operate**

Pressing one button starts and completes the test in just 10 seconds and provides a printed report of patient results.

- **Compact and Lightweight**

Weighing just 22 lbs.(10 kg), Sahara comes equipped with a built-in handle for portability.

- **Minimal Operator Training**

A 20-minute training video is provided to cover all the instruction needed for operation.

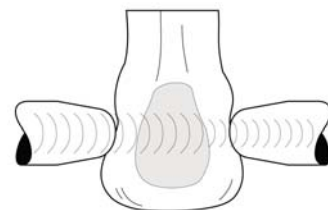
- **Reimbursed by Medicare**

Medicare reimburses Sahara bone density studies under CPT Code 76977 (Ultrasound bone density measurement and interpretation, peripheral site(s), any method).

Bone mineral density or BMD, expressed in g/cm^2 , has long been accepted as the international standard for reporting bone mass. The Sahara Clinical Bone Sonometer is the first and only bone sonometer that estimates BMD using non-ionizing ultrasound. Sahara's integrated computer compares patient estimated BMD results to a reference database to produce a T-score. According to World Health Organization (WHO) guidelines, a patient with a T-score below -1.0 has low bone mass and is at increased risk for fracture.

Pressing one button starts and completes the test in just 10 seconds

The patient sits comfortably with their foot secured in the Sahara unit for the seconds it takes to perform the test. Sahara transducers send and receive the ultrasound signal through the calcaneus, a weight bearing site clinically demonstrated to be predictive for future hip fracture.



Hologic is defining the standard of care in women's health. Our technologies help doctors see better, know sooner, reach further and touch more lives. At Hologic, we turn passion into action, and action into change.

BREAST CANCER DETECTION | BREAST BIOPSY SOLUTIONS | BONE HEALTH SOLUTIONS

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The Sahara Clinical Bone Sonometer:

Intended Use/Indications: The intended use of the Sahara Clinical Bone Sonometer is to perform a quantitative ultrasound measurement of the calcaneus (heel bone), the results of which can be used in conjunction with other clinical risk factors as an aid to the physician in the diagnosis of osteoporosis and medical conditions leading to reduced bone density, and ultimately in the determination of fracture risk. Sahara measures the speed of sound (SOS, in m/s) and broadband ultrasonic attenuation (BUA, in dB/MHz) of an ultrasound beam passed through the heel, and combines these results to obtain the Quantitative Ultrasound Index (QUI). The output is also expressed as a T-score and as an estimate of the Bone Mineral Density (BMD, in g/cm³) of the heel.

Caution: Federal (U.S.A) Law restricts this device to sale by or on the order of a physician (or properly licensed practitioner).

Sahara should not be used to assess patients whose skin is abraded and/or have an open sore in the area that comes into contact with the system. Sahara ultrasound coupling gel should be used in accordance with the directions for use specified in the User's Guide. Other coupling gels should not be substituted. The Sahara User's Guide provides detailed information regarding the relationship between heel BMD estimates obtained by Sahara and by the Dual Energy X-Ray Absorptiometry (DXA) technique.

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