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[FACT]

You can stratify your patients into high and low risk groups for visualization of aortic calcification associated with osteoporosis and cardiovascular disease using a single Hologic IVA exam

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IN THE NEWS



Mobile Digital Mammography in Louisiana: Woman's Hospital

Last year, the mobile digital mammography van operated by Woman's Hospital in Baton Rouge, LA, performed 5,000 mammograms. Without that service, three quarters of the women currently being screened by the service would go without mammograms.

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News:

New Developments In Dual-Energy X-ray Absorptiometry

While non-DXA measurements or risk factors can be used to better refine a patients' future fracture risk, BMD with DXA is the only recognized diagnostic test for osteoporosis other than radiographic evidence of a fracture. New developments in DXA technology are leading to major improvements in diagnosing osteoporosis, more accurately determining future fracture risk, and most recently, diagnosing cardiovascular disease.

Vertebral Fracture Assessment

Newer fan-beam DXA systems can detect vertebral fractures with fast, low dose lateral scans of the vertebra from T4 to L4 in as little as 10 seconds. Vertebral fractures are the most common fracture in osteoporosis and an indication for treatment, irrespective of BMD. However, without a diagnostic test such as that available on Hologic fan-beam systems, as many as 75%



Fracture shown in vertebral assessment puts women at increased risk of more fractures

of vertebral fractures would never come to clinical attention.

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Hip Structure Analysis and 3-D DXA

Hip Structure Analysis (HSA) uses specialized software to

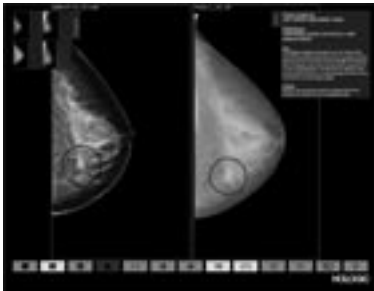


Best-fit Technology: West Coast Radiology Centers

When it comes to breast imaging, the professionals at West Coast Radiology Centers in Orange County, CA, believe that best-fit technology equals better care. "After extensive research, we felt that the Selenia digital mammography system was the best on the market because of the superior plate technology and workflow management."

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CLINICAL CASES



Look at digital mammography, tomosynthesis, DXA and extremity MRI cases on an "interactive workstation"

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WOMEN'S IMAGING PRODUCTS

[Selenia digital mammography](#)

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[MultiCare Platinum prone biopsy system](#)

[Discovery osteoporosis](#)

examine the structural geometry of two-dimensional DXA scan images. This technology is designed to assist physicians in determining if a patient's bones have been weakened so as to require treatment and, if the patient is being treated, whether the patient's bones are getting stronger. This new feature represents a significant advance in densitometry as compared to conventional bone density scanners which only look at average density.

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The natural extension of Hip Structure Analysis is to consider the femur as the 3-D object that it is, and calculate its strength in 3-D. The next generation of Hologic Discovery imaging for the diagnosis of osteoporosis will use the rotating C-arm feature found on some Hologic models to form a tomographic 3-D representation of the hip. This low-dose tomographic assessment is expected to become the ultimate clinical tool for diagnosis of osteoporosis; not only will it give a more accurate picture of bone density, but also the geometry and underlying strength of a bone.

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Assessing Abdominal Aortic Calcifications with DXA

Using a vertebral fracture scan, the Hologic Discovery system can be used to for the visualization of abdominal aortic calcification, which is strongly associated with cardiovascular disease. This new indication targets the number one cause of morbidity and mortality in older women and men: heart disease and stroke. This new indication greatly increases the economic utility of DXA systems.

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Image showing severe abdominal aortic calcification.

DXA as a Measure of Body Composition

Body Mass Index (BMI) formulas and waist circumference

[assessment](#)

[Suros breast biopsy solutions](#)

[R2 computer aided detection](#)

UPCOMING EVENTS

Breast Biopsy CME Course for Physicians

Bedford, MA USA

June 22

September 28

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[AHRA 35th Annual Meeting and Exposition](#)

Orlando, FL USA

July 9-11

[Medical College of Wisconsin Breast Imaging Conference \(BIC\) and Digital Mammography Workshop](#)

San Antonio, TX USA

September 10-12

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measurements are not adequate to accurately define obesity. DXA has long been considered the gold standard in the precise measurement of a person's percent body fat. However, there has been a lack of accurate reference data from which to define healthful levels of percent body fat and muscle mass.

The U.S. Center for Disease Control's "National Health and Nutrition Examination Survey" is collecting accurate body composition data in the U.S. This reference database, collected from whole body DXA exams on Hologic equipment, is designed to provide information for the accurate diagnosis of obesity with DXA.

To download this white paper, or view a complete listing of Hologic white papers, [Click Here](#)

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