

DXA Bone Density Scan

The evaluation of bone health has become an essential component of your patients' wellness. The Elaine M. Junca Women's Imaging Centre uses the Hologic Discovery QDR Bone Densitometer. Discovery combines the proven clinical value of Bone Mineral Density (BMD) measurement and vertebral fracture assessment (IVA) allowing point-of-care assessment of the two most definitive factors associated with osteoporotic fracture risk: low bone mineral density and the presence of vertebral fracture.

Discovery's technology offers:

- OnePass Technology
Single sweep scanning enables superior image quality and unparalleled precision
- Vertebral Fracture Assessment
Recognized as the standard in fracture risk assessment is now even better with our High Definition Instant Vertebral Assessment
- CADfx
Computer aided fracture assessment provides physicians with tools to automatically recognize fractures
- Body Composition Analysis
The Discovery unit also provides the ability to analyze soft tissue composition of the entire body and to follow the changes in soft tissue composition over time in response to intervention such as diet and exercise. Analysis of fat mass, lean mass and percent fat mass can be reported for the entire body and head, arms, trunk, pelvis and legs.



Our Commitment

Our commitment is to be recognized by you as a center of excellence. To that end, we encourage you to ask questions – let us know how we may best serve you and accommodate your needs.

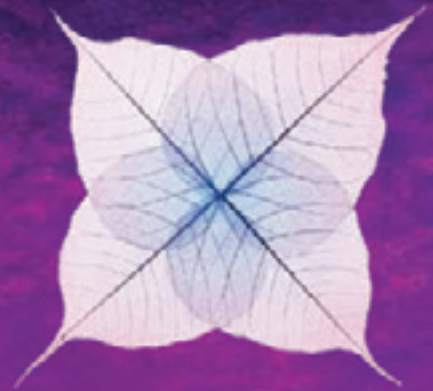
For more information about our services
or to schedule an appointment call:

(337) 993-8300

www.womensimagingcentre.com



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*Services for women of our community,
enjoying all seasons of life*

*At the Elaine M. Junca
Women's Imaging Centre of Lafayette
Your health is what matters most*



We are proud to introduce the Elaine M. Junca Women's Imaging Centre, our freestanding Breast Imaging and Diagnostic facility. We recognize that Advanced Breast imaging is no longer just about mammography. It involves a personalized approach to screening and diagnostics using multiple modalities.

Digital Mammography

Elaine M. Junca Women's Imaging Centre utilizes state of the art Digital Mammography technology on all screening and diagnostic mammography exams. Digital Mammography is different than standard film mammography in the way the images are recorded, viewed and manipulated by the Radiologist, and stored. The radiologist utilizes Computer Aided Detection (CAD) on all mammo cases. Studies have shown that including CAD in the interpretation of mammography increases the detection of breast cancer by as much as 20%. Since the Radiologist can electronically manipulate the images brightness, contrast, and magnification, abnormal areas may be more clearly visualized. Also, there is no waiting for film to develop, which means shorter exam times. There are also less re takes due to over or underexposure, saving time, and reducing radiation exposure.



Dedicated Breast MRI

MRI of the breasts has emerged as a new technique in the evaluation of breast disease. When used in conjunction with conventional mammography, breast MRI can provide valuable information for the detection and characterization of breast disease. MRI doesn't replace mammography – it's a different imaging technique that provides additional information.

Indications for use of the Aurora Dedicated Breast MRI:

- New Diagnosis Breast Cancer
- Evaluate Patients with Positive Surgical Margins for Residual Cancer
- Characterize Lesions
- Detect Occult Cancer
- Monitor Cancer Therapy
- Evaluate Implant Integrity and Detect Cancer in Women with Breast Augmentation
- Exclude the Existence of Cancer in High-Risk Women
- Perform MRI guided vacuum assisted biopsies

What is a breast MRI exam like?

The Aurora dedicated Breast MRI is designed for the comfort of a woman. During the exam, the patient lies on her abdomen with her breasts placed in openings in the examination table so that they are suspended away from her chest. Unlike mammography, Breast MRI doesn't require breasts to be compressed. The patient enters the MRI feet-first which reduces feelings of claustrophobia sometimes associated with full-body MRI scanners.

An initial scan will be taken and then the patient will receive an injection of gadolinium, a contrast agent. The scan will then be repeated. The entire exam takes about 45 minutes.

Diagnostic Ultrasound

Conventional ultrasound is done by a sonographer, or sometimes by the radiologist using a hand held probe targeting certain organs or tissues of the body. Representative images of normal or abnormal structures are documented and interpreted by the Radiologist. This is the standard way in which ultrasound is done at most medical facilities. Doppler images may be added to evaluate vessels or blood flow in specific tissues. In the case of breast imaging, hand held ultrasound is used to characterize lesions seen on mammography or found on physical exam. It is also used to guide certain breast biopsy procedures.

High Resolution Automated Whole Breast Ultrasound

Current medical research has shown that dense breasts are an independent risk factor for breast cancer, increasing risk on the order of as much as 5 fold. The only way to determine breast density is to have a mammogram. The increased risk of breast cancer in dense breasted women is a particular problem since mammography's ability to demonstrate small tumors is somewhat limited with these patients. Recent studies, however, have shown that adding whole breast ultrasound to screening mammography is a powerful tool to detect many small cancers missed on mammography in dense breasted women. The trade-off of this increased diagnostic capability may be a higher biopsy rate, many of which may be benign. More than half of women younger than 50 have heterogeneously dense or extremely dense breast tissue on mammography, as do at least a third of older women.

The Elaine M. Junca Women's Imaging Centre offers 3D Automated Whole Breast Ultrasound Screening for qualifying patients with dense breasts.

