



Regional Medical Imaging implements Contrast Enhanced Spectral Mammography (CESM) as an alternative diagnostic exam to enhance the breast care pathway

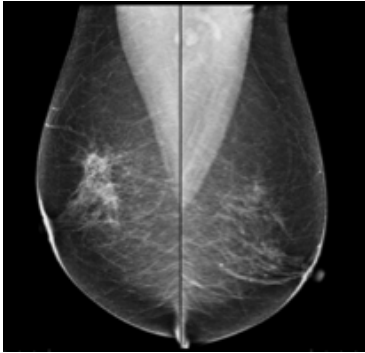
As an independent imaging center in mid-Michigan, Regional Medical Imaging (RMI) focuses on bringing practical and innovative technology to best serve their patients.

Recently, RMI made the switch to Senographe Pristina™ along with the addition of SenoBright™ HD (Contrast Enhanced Spectral Mammography or CESM). This new tool to RMI made an immediate impact on helping identify patients who need to move to the next interventional step in diagnosing breast cancer.

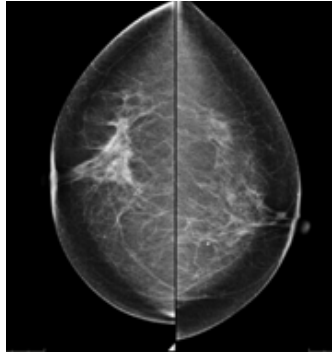


Case 1: Change in breast density

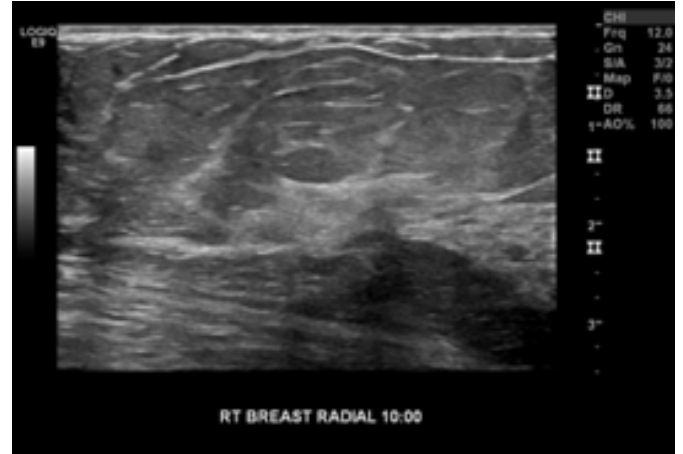
The patient is a 64 year old female with a family history of breast cancer and is asymptomatic. The 2D mammogram performed in 2018 showed an increase in breast density of the right breast as compared to the latest 2D mammogram in 2014. Due to abnormalities shown in the 2D mammogram of the right breast, a breast ultrasound was ordered. The ultrasound was inconclusive and a CESM exam was then performed.



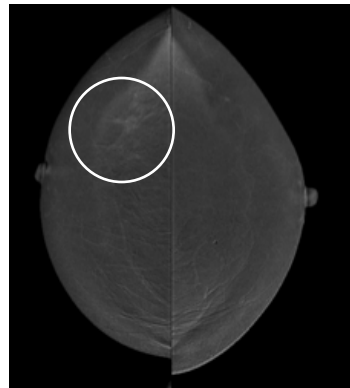
2D Mammogram



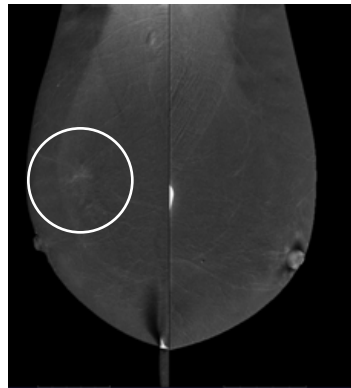
2D Mammogram



Ultrasound



CESM CC views



CESM MLO views

RESULTS

The CESM images indicated the area of interest to be in the upper right quadrant of the right breast, which was then biopsied. The biopsy result was invasive lobular carcinoma.

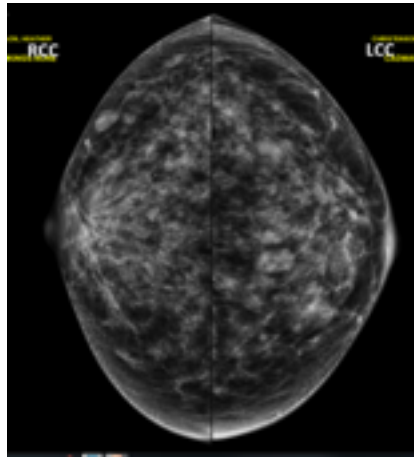
“SenoBright HD provided exceptional images, even in a patient with dense breast tissue.”

– Randy Hicks, MD

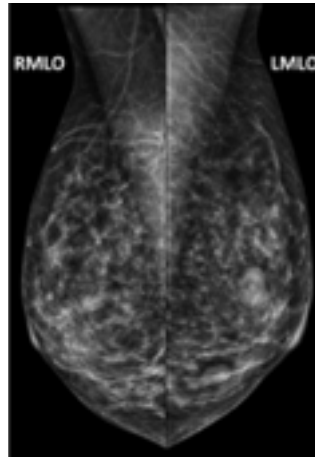


Case 2: Putting the patient at ease

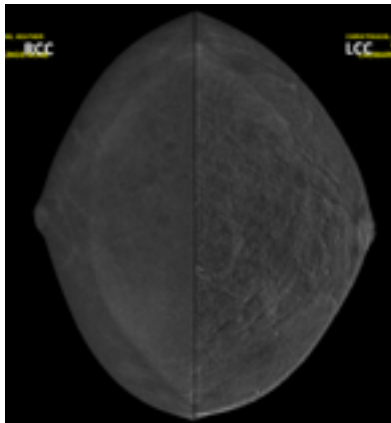
A 46-year-old female with previous biopsy performed on the left breast (benign). The patient had extremely dense breast tissue with multiple nodules present. Post 2D mammogram, CESM was performed to determine the need for biopsy.



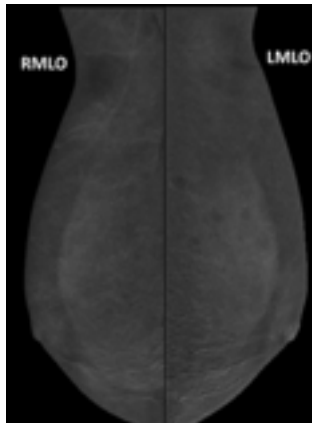
2D CC view



2D MLO view



CESM CC views



CESM MLO views

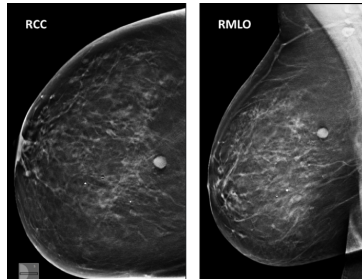
RESULTS

With the use of CESM, the patient left RMI with peace of mind that she did not need a biopsy and was free to come back for her yearly screening.

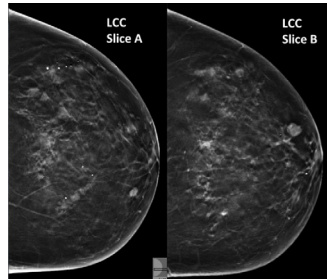


Case 3: Confirm the need for biopsy

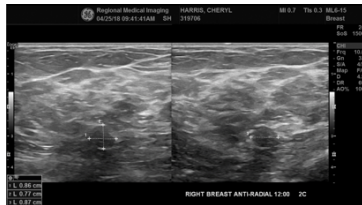
The patient is a 55-year-old female with scattered breast density and apparent nodules on a CTA in 2017. Following 3D mammogram and breast ultrasounds it was determined to do CESM to confirm the need for biopsy in both breasts.



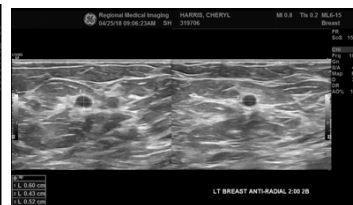
3D Imaging on Right



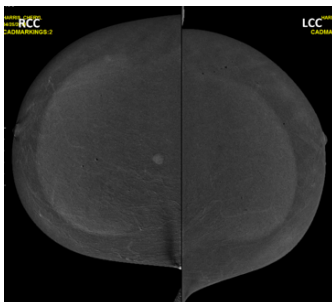
3D Imaging on Left Breast



Ultrasound Right Breast



Ultrasound Left Breast



CESM CC views



CESM MLO views

RESULTS

It was determined with CESM images to perform a biopsy only on the right breast with a final diagnosis of fibroadenoma.

About Regional Medical Imaging

Regional Medical Imaging (RMI) is a privately-owned imaging organization in Michigan with two locations in Flint and offices in Fenton, Grand Blanc, Davison, Lapeer, Novi, Royal Oak, and Southgate. Founded in 1985, RMI is committed to personal attention and respect for patients in a convenient, clean, comfortable setting. The motto “Our family taking care of your family” is the core philosophy of RMI. The company, nationally recognized for excellence, strives to lead and innovate in the field of diagnostic and interventional radiology. The team of 17 fellowship-trained radiologists and 200 staff are dedicated to superior service.

About GE Healthcare

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

For more information contact your local GE Healthcare representative or call 1-877-438-4788

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