

Iowa Radiology takes digital mammography to a whole new dimension.

Introducing Breast Tomosynthesis—3-Dimensional Digital Mammography

Digital Mammography plus Tomosynthesis
gives a more complete picture than digital mammography alone.



Every woman over 40 should be examined for breast cancer once a year. *~American Cancer Society*

(see back for details)

BREAST TOMOSYNTHESIS

An additional screening tool in the fight against breast cancer

Screening for breast cancer

Doctors and scientists agree that early detection is the best defense against breast cancer. If we find cancer in its earliest stages, the chances of surviving it are good. Until now, the best way to do that has been with digital mammography.

While digital mammography is still one of the most advanced technologies available today, it is only a two-dimensional picture of the breast. Since the breast is composed of pockets of dense tissue surrounded by fat, when x-rayed, it creates an image that has overlapping tissue making it difficult to see tiny "spots", called microcalcifications, and other subtle signs of early cancer.

In some cases, the radiologist may ask you to come back for a follow-up examination such as a diagnostic mammogram to rule out any suspicious areas.

An additional screening tool

Scientists have developed a new technology called breast tomosynthesis, which has been shown in clinical studies to be superior to digital mammography.

Breast tomosynthesis is a new technology in the fight against breast cancer. Breast tomosynthesis is used in conjunction with traditional digital mammography as part of your annual screening mammogram to capture more breast images. Using breast tomosynthesis and digital mammography together for screening has been proven to reduce "call-backs".

Breast tomosynthesis allows doctors to examine breast tissue one layer at a time. This exciting new technology has been recently FDA approved.

What is breast tomosynthesis?

Breast tomosynthesis converts digital breast images into a stack of very thin layers or "slices"—building what is essentially a "3-dimensional mammogram".

Now the radiologist can see breast tissue detail in a way never before possible. Instead of viewing all the complexities of your breast tissue in a flat image, the doctor can examine the tissue a millimeter at a time. Fine details are more clearly visible, no longer hidden by the tissue above and below.

What to Expect

A tomosynthesis exam is very similar to a traditional mammogram. The exam time is approximately the same as a digital mammogram and delivers a similar radiation dose.

Just as with your digital mammogram, your breast will be compressed while the x-ray arm makes a quick arc over the breast taking a series of images at a number of angles. 2D and 3D images are obtained simultaneously. With tomosynthesis, additional compression and adjustment of the breast is not required.

You can choose from a traditional digital mammogram or opt for a digital mammogram with tomosynthesis for an additional \$40 fee.



Clive Office: 12368 Stratford Drive, Ste. 300 • Clive, IA 50325
From I-80, Exit west onto University Avenue. Turn north onto 124th Street. We are the second building on the east side of the road.



John Stoddard Office: 1221 Pleasant St., Ste. 350 • Des Moines, IA 50309

From I-235, Exit south on Keo Way. Follow hospital signs to Methodist Hospital. We are located in Suite 350 of the John Stoddard Building. (Free parking is available in the parking garage west of the building)



Ankeny Office: 1105 N Ankeny Blvd, Ste. 200

From I-35, Exit west on 1st St (exit # 92). Go west to Ankeny Blvd and turn right (north). We are located on the right hand (east) side of the street in the Ankeny Clinic. Our dedicated entrance is located on the south side of the building, inside the vestibule.



Diagnostic & Preventative Imaging Center

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