

What is a mammogram?

BY: ARIEL NIAZOV

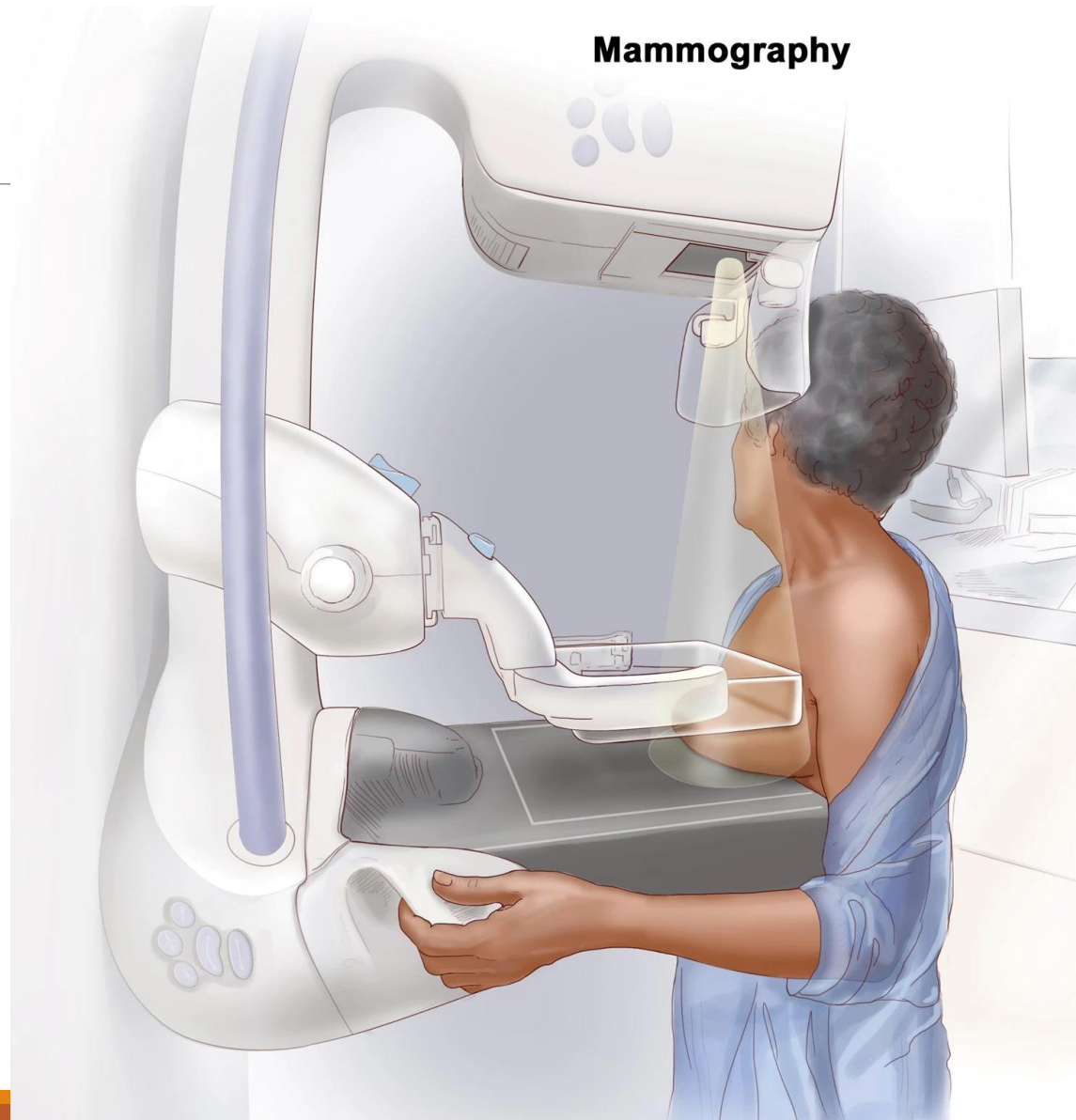


Mammograms

Low dose X-rays

Screening

Diagnostic



Process of getting a mammogram

Providers generally tell patients not to wear deodorant on the day of

Providers also tell women not to get mammograms around the time of their periods

Pt will change into a gown and disrobe in front of the mammography machine

The tech will ask if the pt has noticed any unusual bumps, moles, or lumps and mark the areas

The tech will place the patients breast onto the platform where a plastic plate will compress the breast and an x-ray will be taken

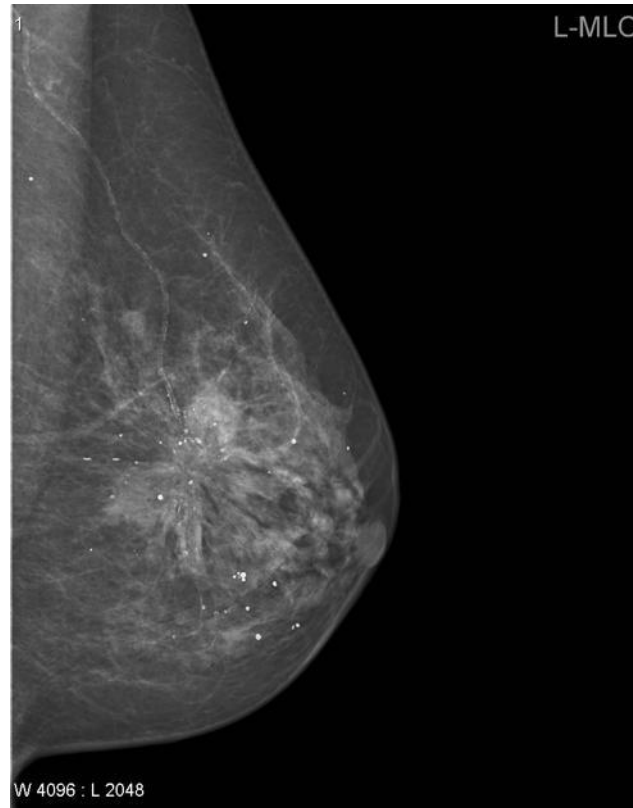
The more the breast is compressed, but better the image will be

Two view points are generally taken

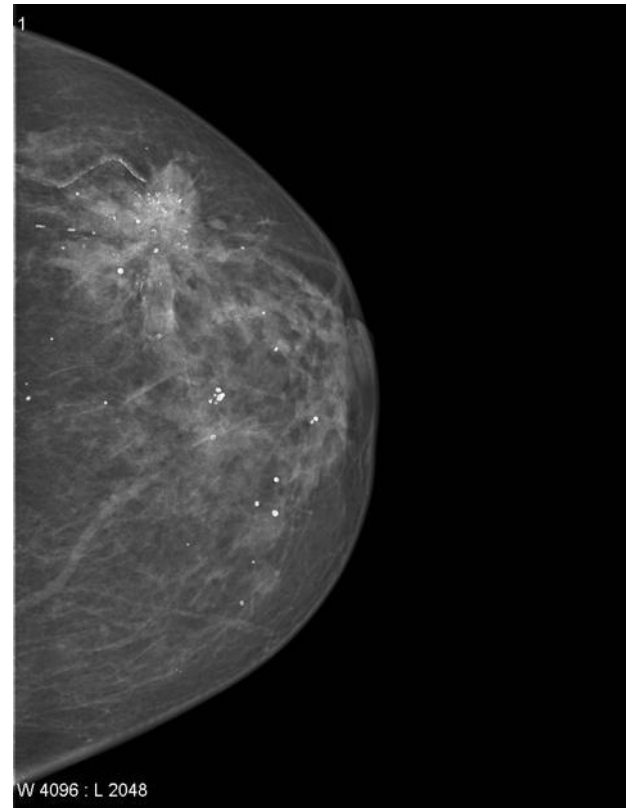


Mammography viewpoints

Mediolateral oblique (MLO) view



Craniocaudal (CC) View



Normal Vs. Abnormal Mammography Findings



Normal
mammogram



Benign cyst
(not cancer)



Breast
calcifications



Breast
cancer

Breast Imaging Reporting & Data System

BI-RADS score	What it means
0	The results are inconclusive or the radiologist wants another image for comparison. Radiologist will recommend another imaging study (mammogram or sonogram).
1	No abnormalities were detected.
2	Anything found, like cysts or calcifications, were benign.
3	Findings are probably benign. You may need follow-up imaging in 6 months.
4	An abnormality was found that could be cancerous but is most likely not. You may need a biopsy.
5	A tumor was identified with a 95 percent chance of being cancerous. You'll need a biopsy.
6	A cancerous tumor has been confirmed.

References

Mayo Foundation for Medical Education and Research. (2022, April 12). *Mammogram*. Mayo Clinic. Retrieved December 4, 2022, from <https://www.mayoclinic.org/tests-procedures/mammogram/about/pac-20384806>

Green Imaging. (2021, June 2) *Mammograms*. Retrieved December 4, 2022, from <https://greenimaging.net/mammogram/>

Centers for Disease Control and Prevention. (2022, September 26). *What is a mammogram?* CDC. Retrieved December 4, 2022, from https://www.cdc.gov/cancer/breast/basic_info/mammograms.htm

Pietrangelo, A. (2019, October 31). *Understanding your mammogram images*. Healthline. Retrieved December 4, 2022, from <https://www.healthline.com/health/breast-cancer/mammogram-images-breast-cancer#bi--rads-score>

Introduction to Diagnostic imaging – Women and Men