

Points in The Breast Cancer Diagnosis

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Symptoms:

- *Change in the general appearance of the breast(Size-Symmetry)*
- *New or persistent skin changes*
- *Ne nipple inversion*
- *Nipple discharge*
- *Breast Pain*
- *Breast Mass (Duration-Wax and Wanes)*

Signs:

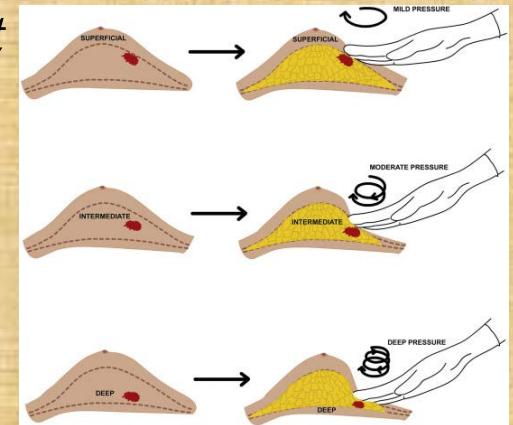
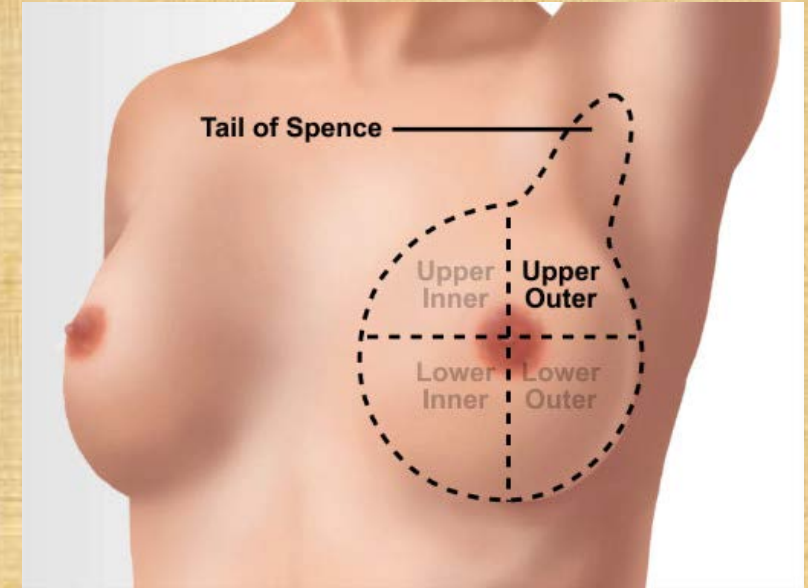
➤ *Breast Examination:*

➤ *Total breast from clavicle to the lower ribs and axillary*

➤ *Clock system*

➤ *Timing of exam is the menstrual cycle is important but not determinant*

➤ *Documentation of examinations*



Palpable Mass:

A: Younger than 30

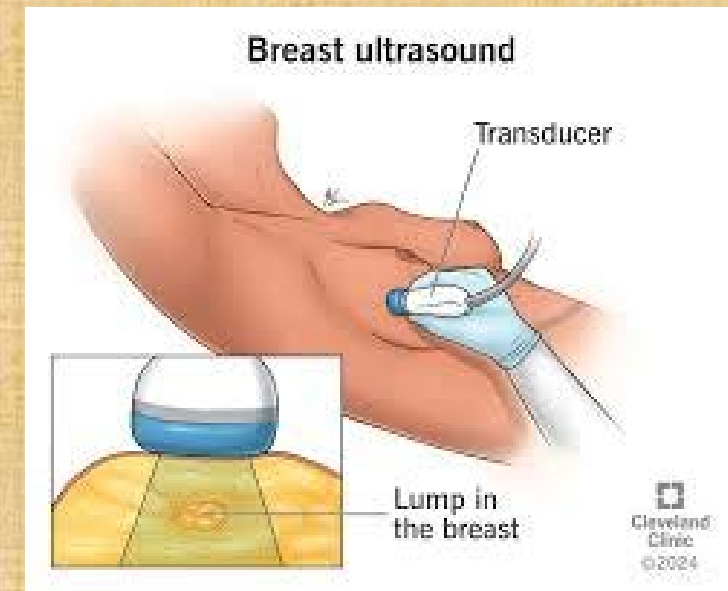
- *Start with US*

B: 30-39 Years

- *Start with mammography or US*

C: 40 Years or Older:

- *Start with mammography*



Mammographic views

Standard views:

- Craniocaudal view (CC view)
- 45° Medio lateral Oblique (MLO view) / Lundgren's view



RCC



LCC

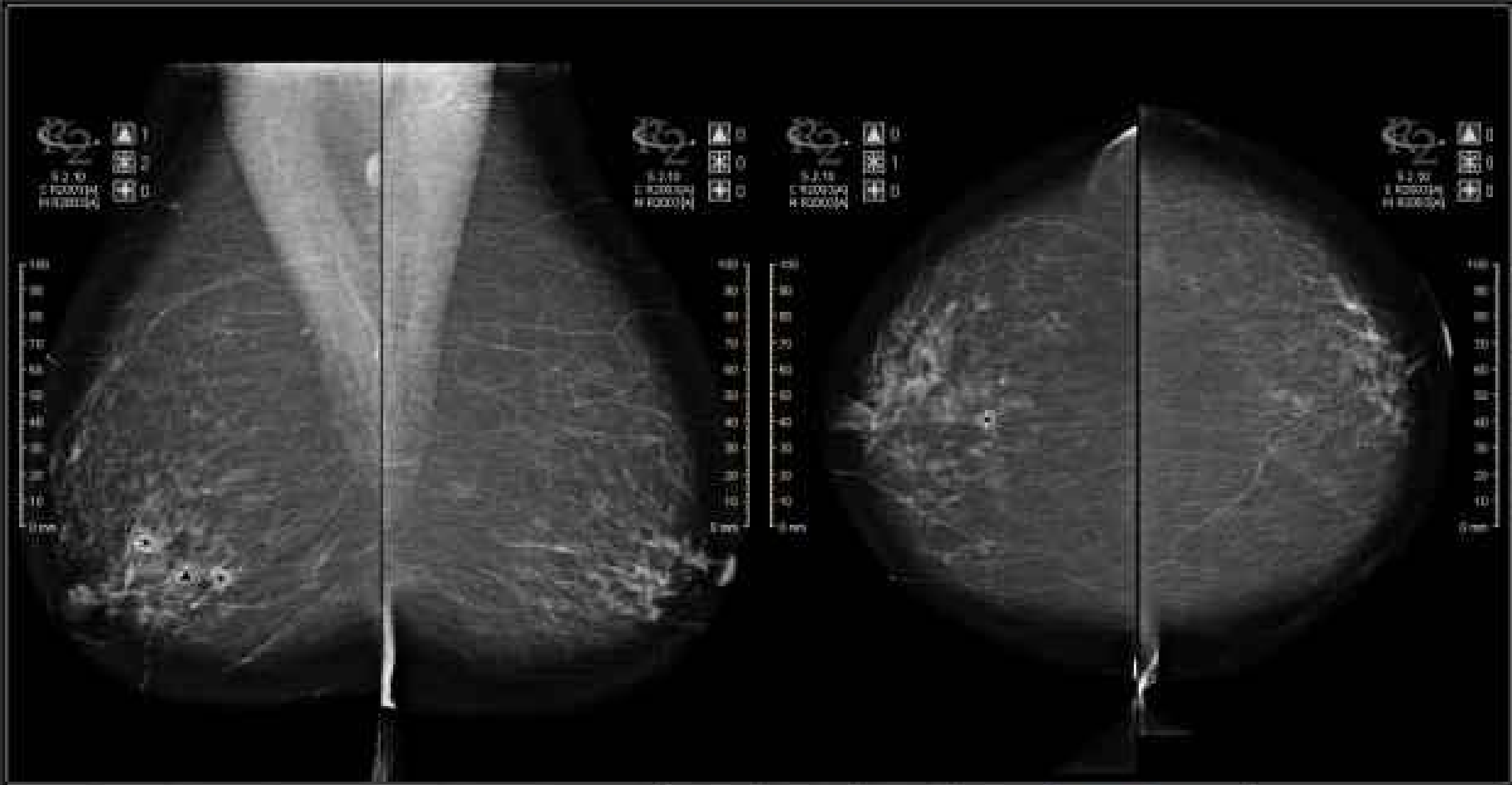


RMLO

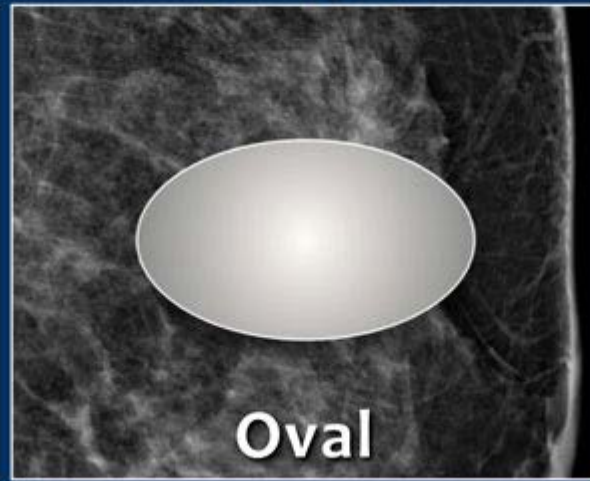
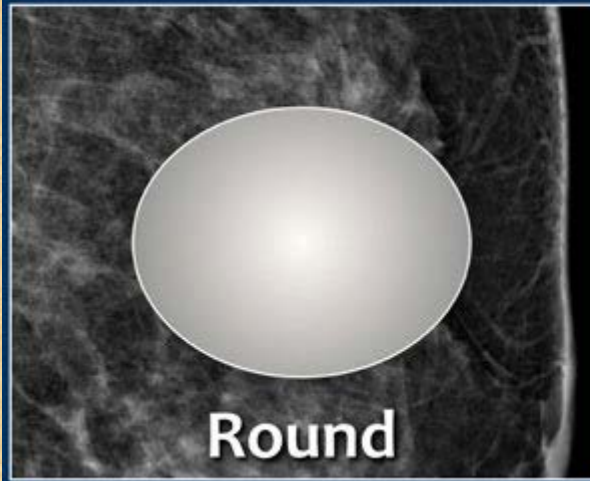


LMLO

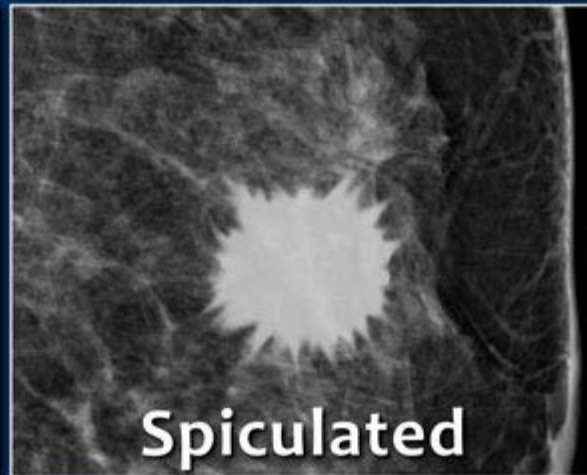
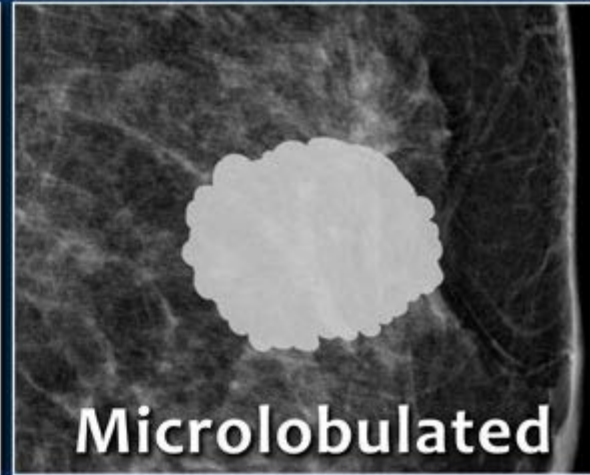
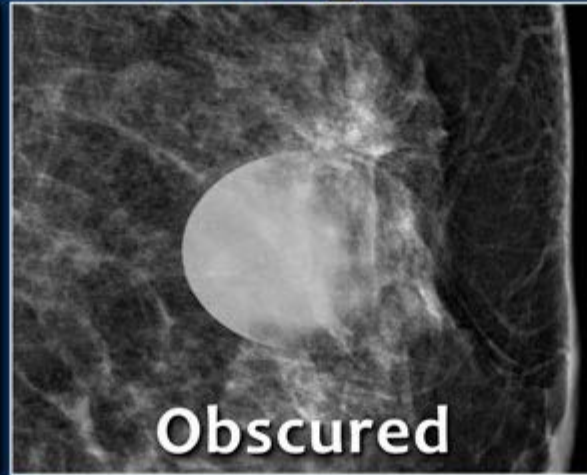
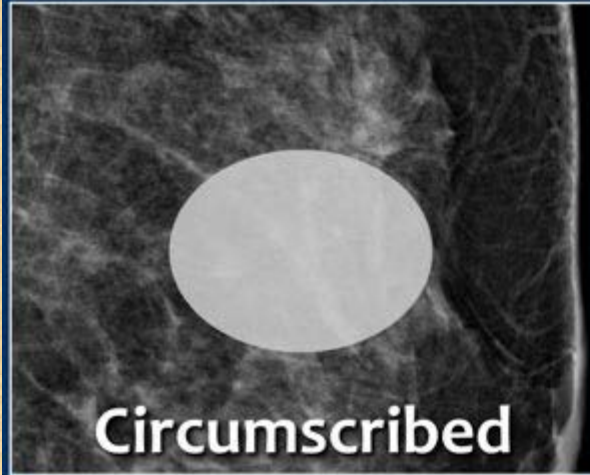
Patient Name (Study Date 01/01/01)



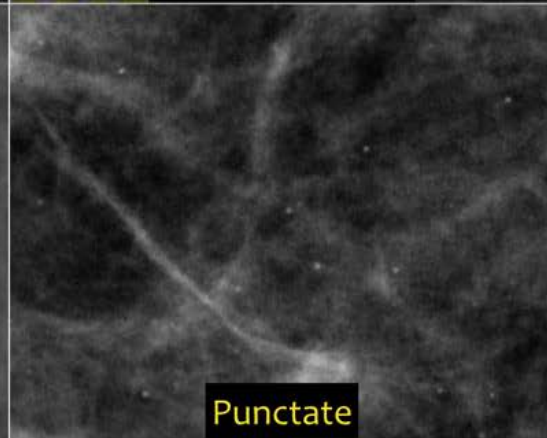
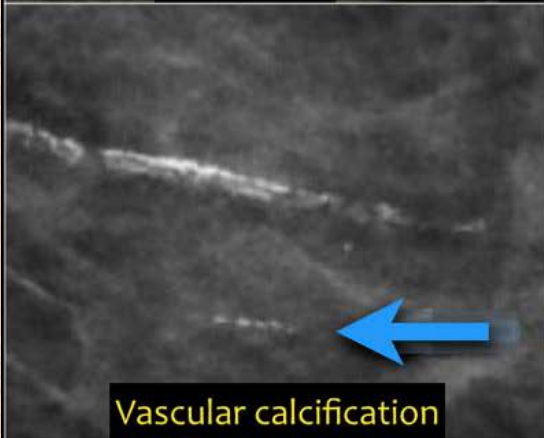
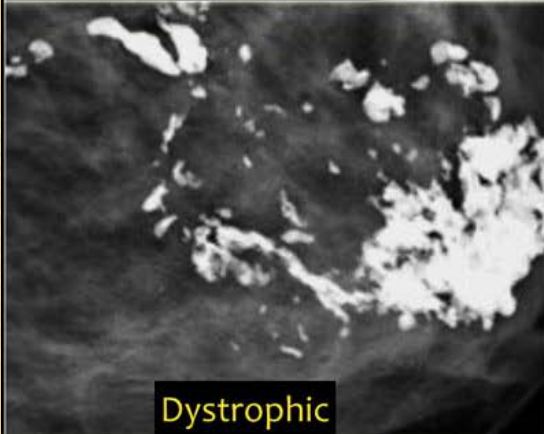
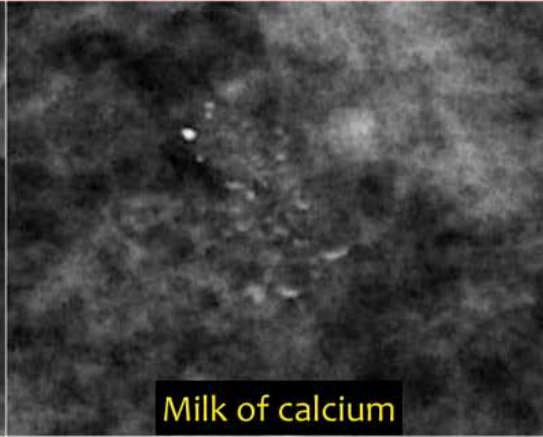
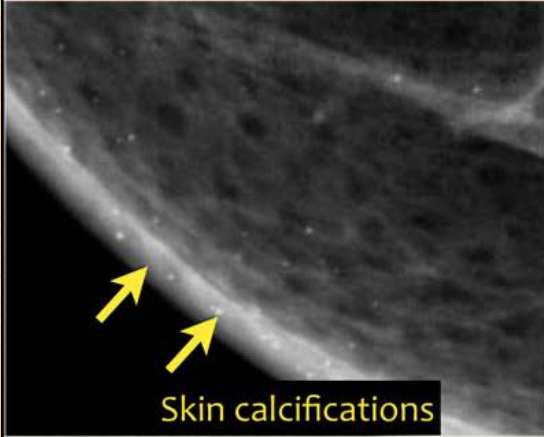
Shape



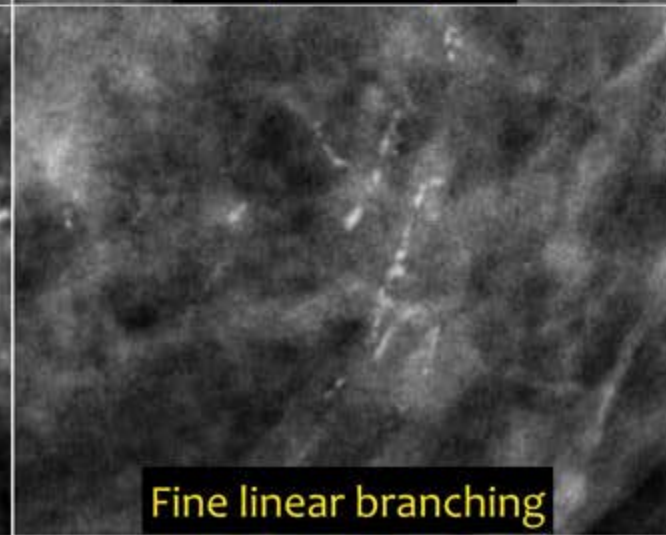
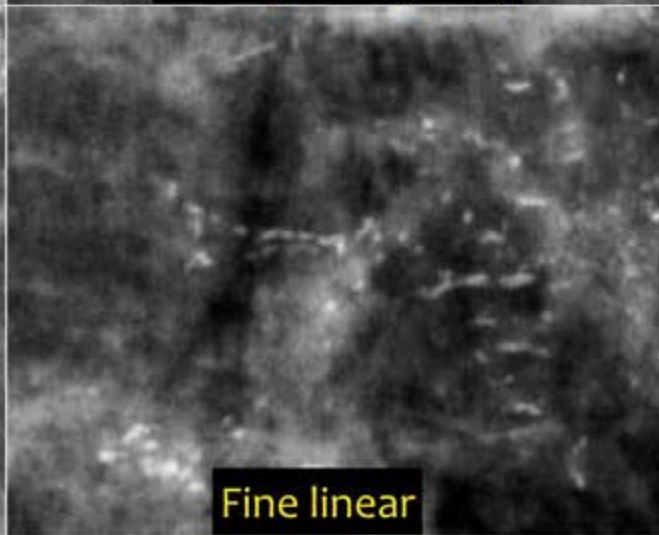
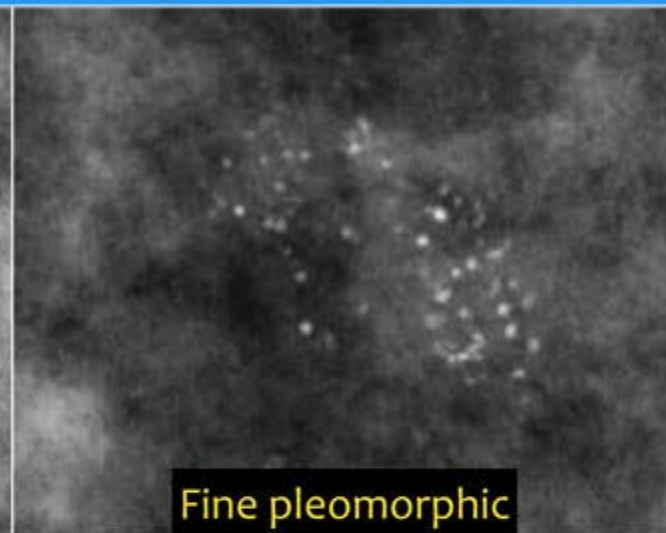
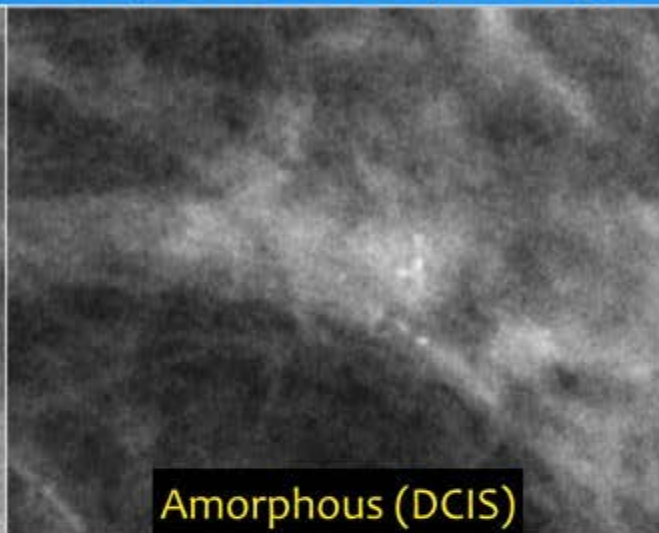
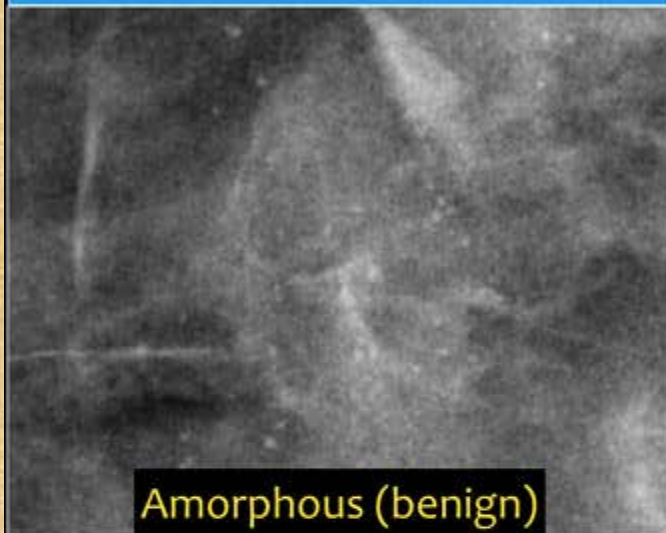
Margin

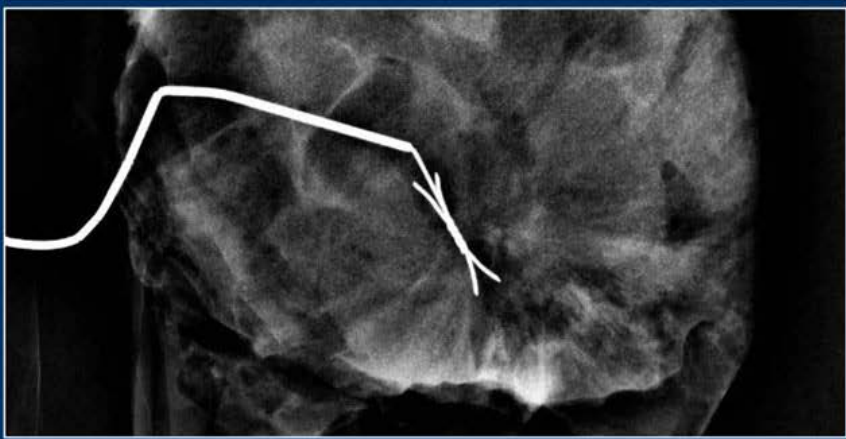
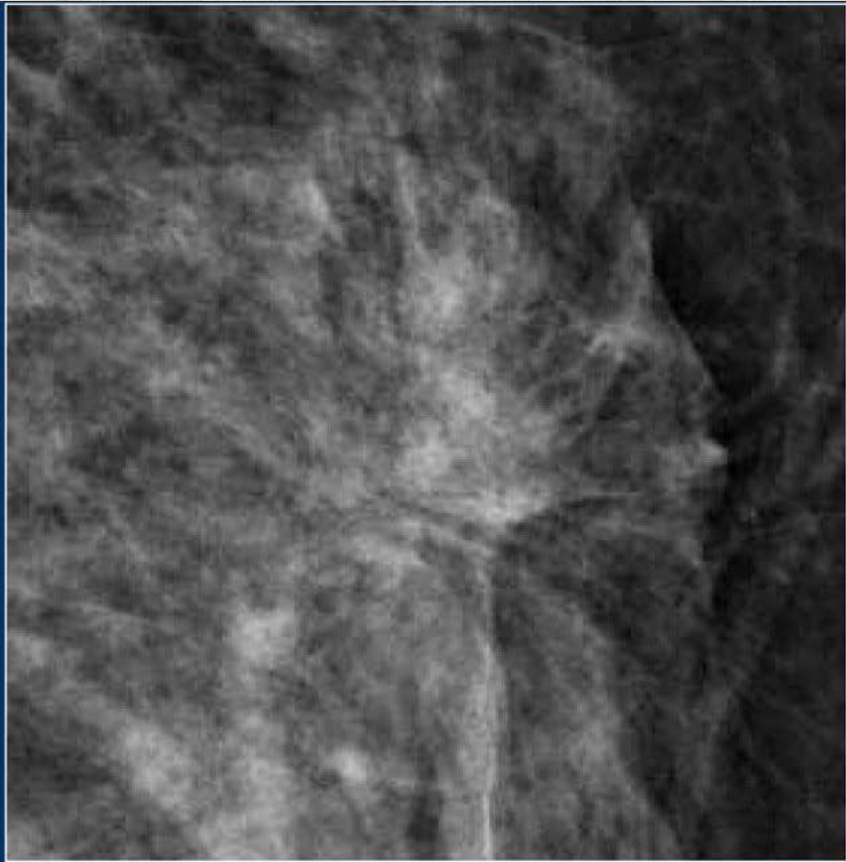
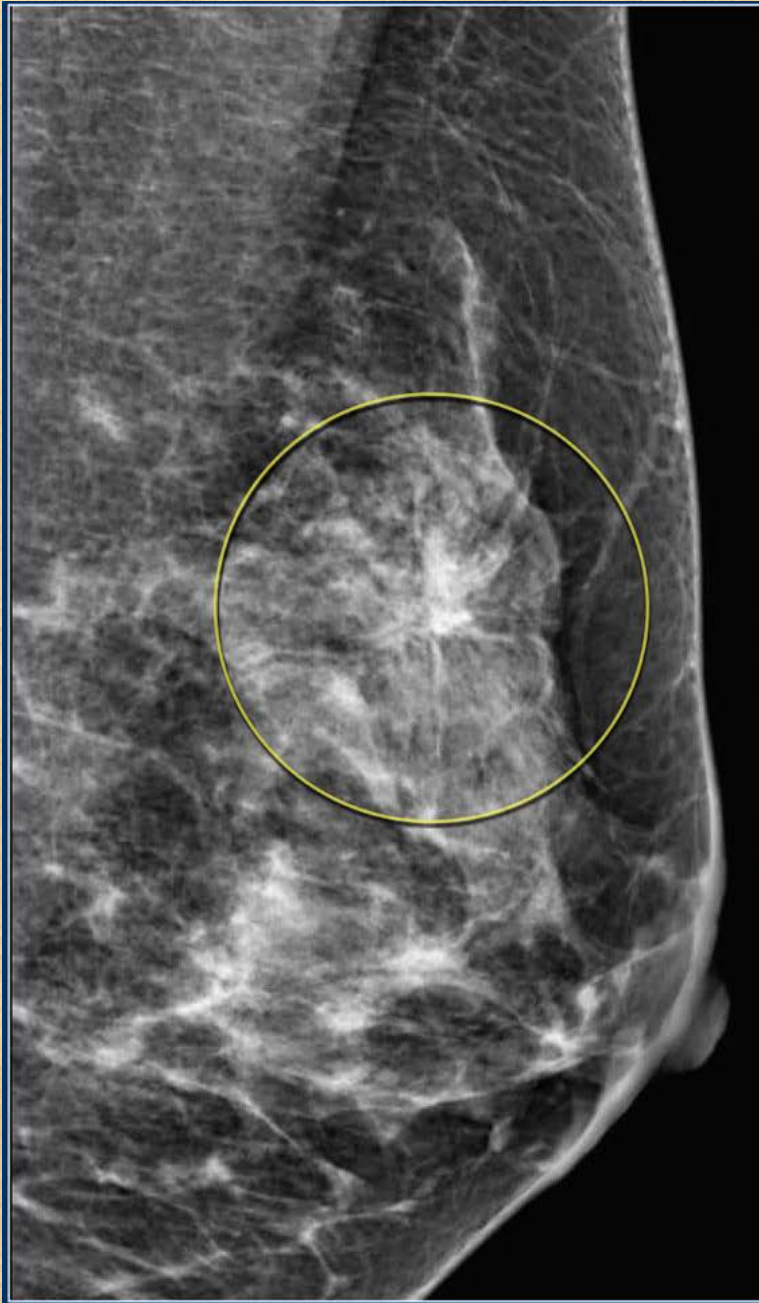


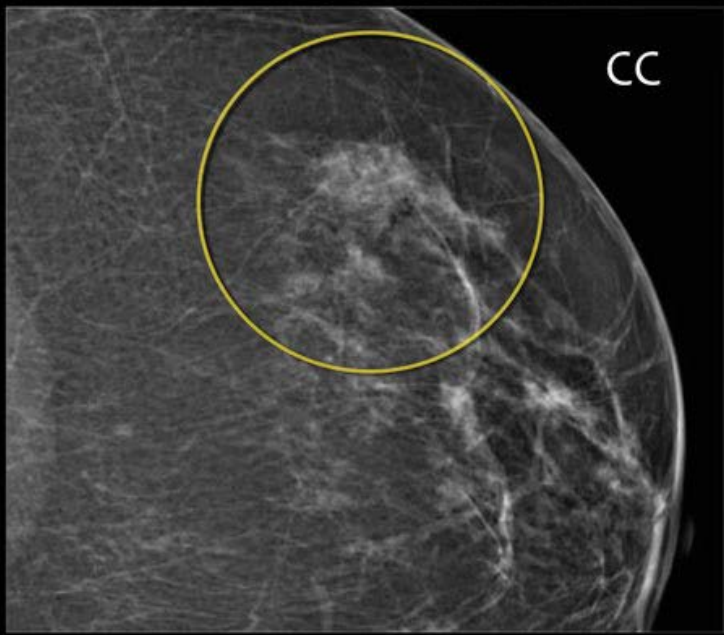
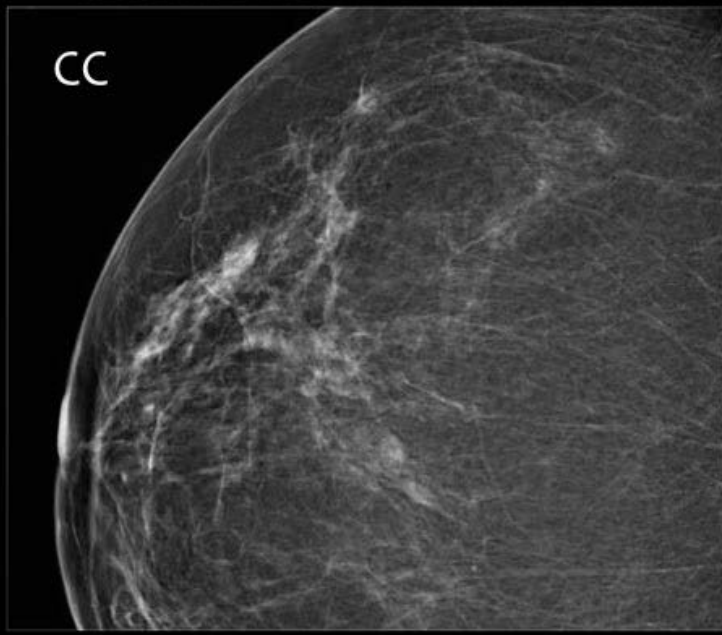
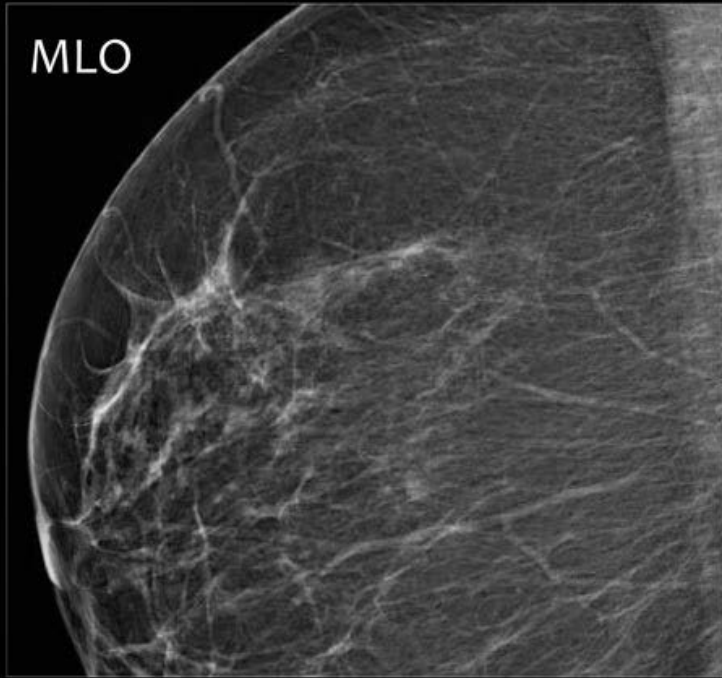
Typically Benign



Suspicious morphology



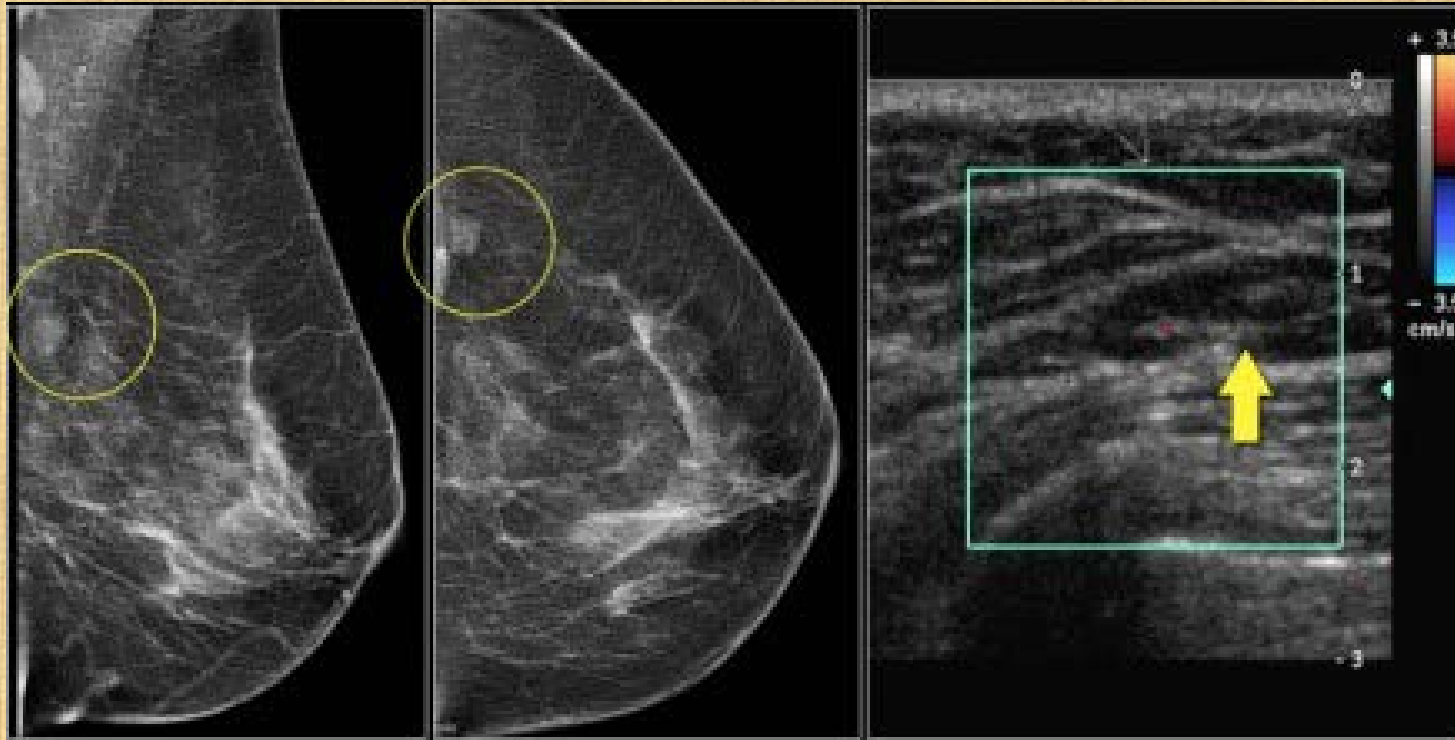




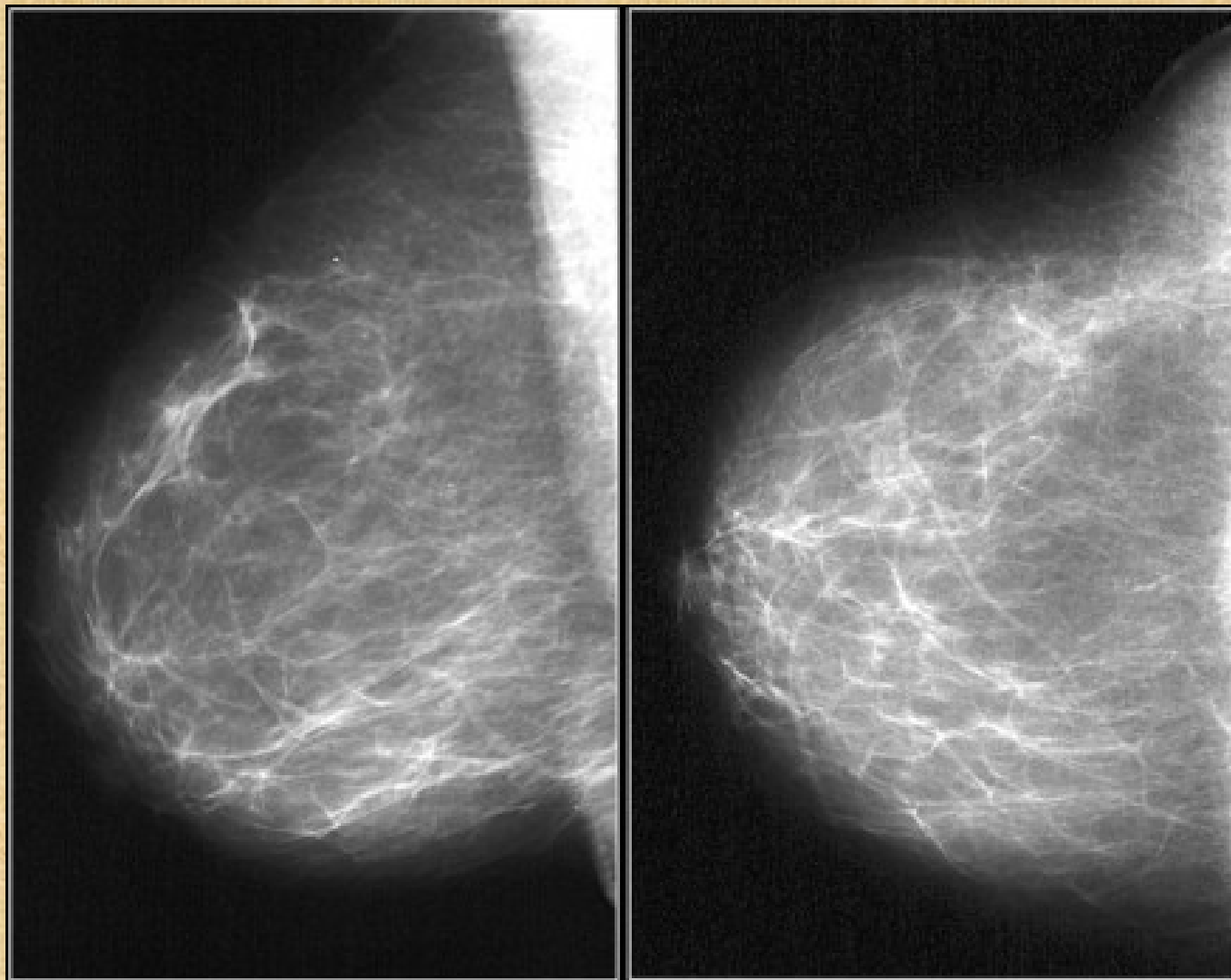
BIRADS: Breast Imaging Reporting and Data System

Final Assessment Categories			
	Category	Management	Likelihood of cancer
0	Need additional imaging or prior examinations	Recall for additional imaging and/or await prior examinations	n/a
1	Negative	Routine screening	Essentially 0%
2	Benign	Routine screening	Essentially 0%
3	Probably Benign	Short interval-follow-up (6 month) or continued	>0 % but ≤ 2%
4	Suspicious	Tissue diagnosis	4a. low suspicion for malignancy (>2% to ≤ 10%) 4b. moderate suspicion for malignancy (>10% to ≤ 50%) 4c. high suspicion for malignancy (>50% to <95%)
5	Highly suggestive of malignancy	Tissue diagnosis	≥95%
6	Known biopsy-proven	Surgical excision when clinical appropriate	n/a

B0



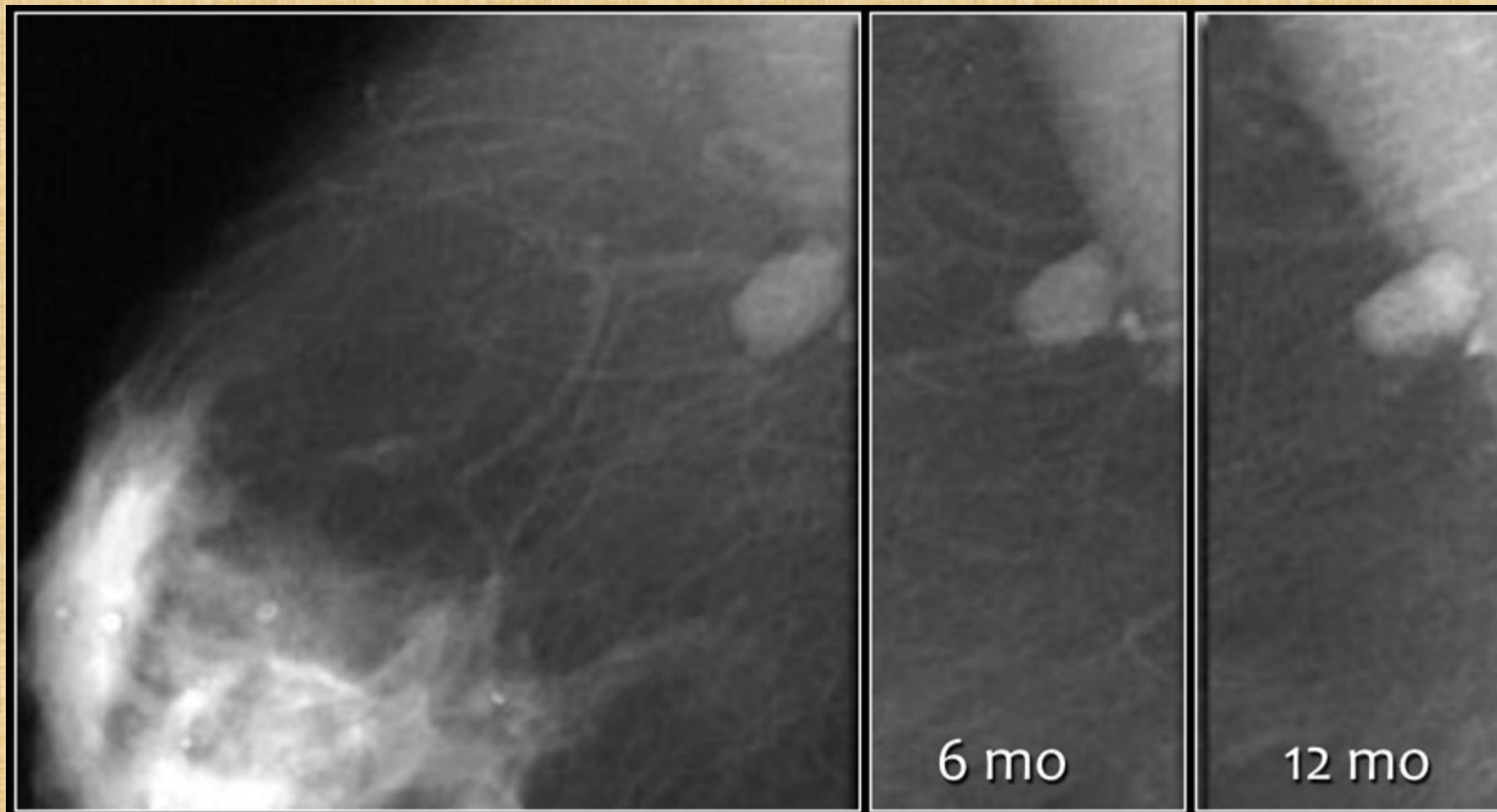
B1



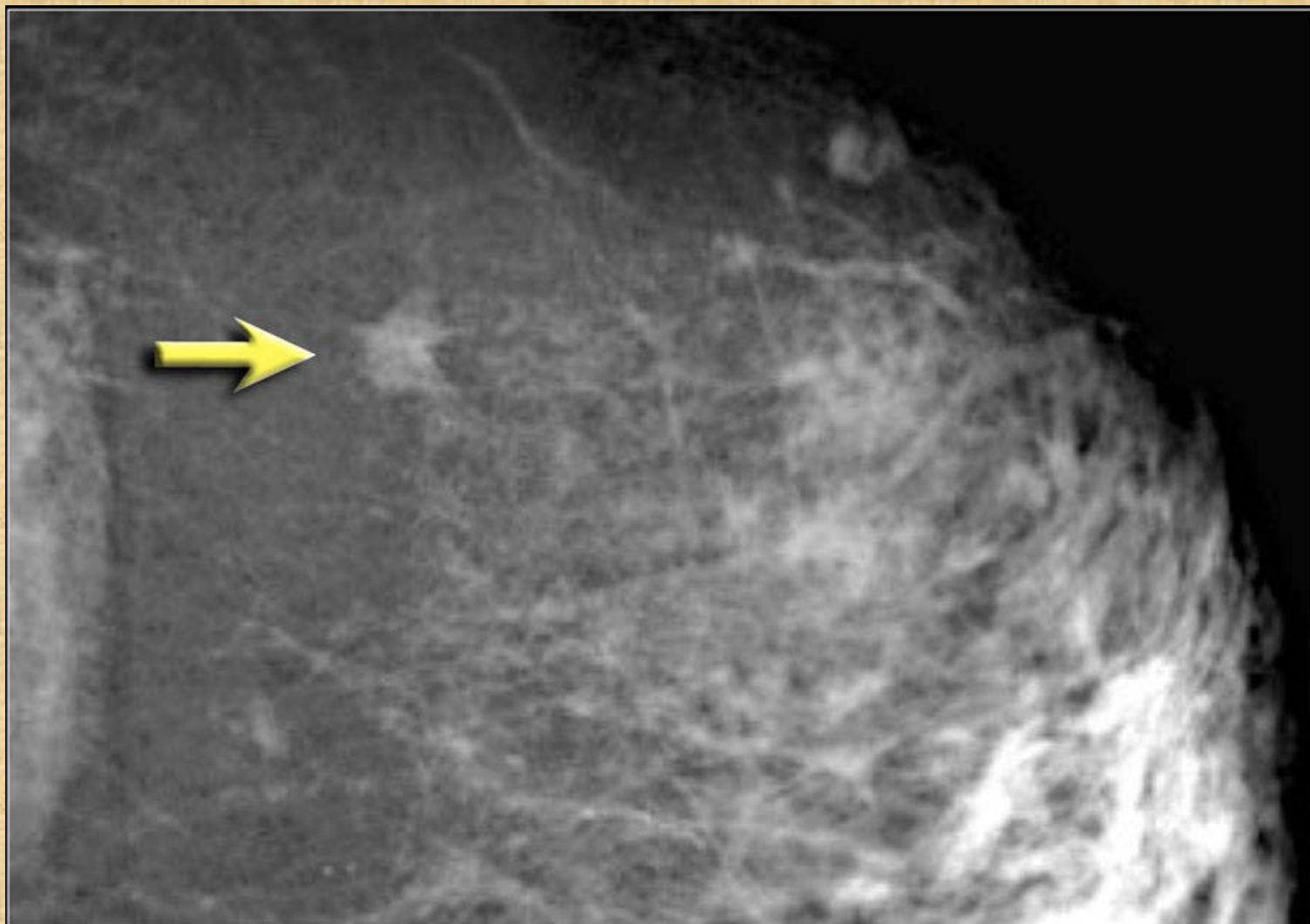
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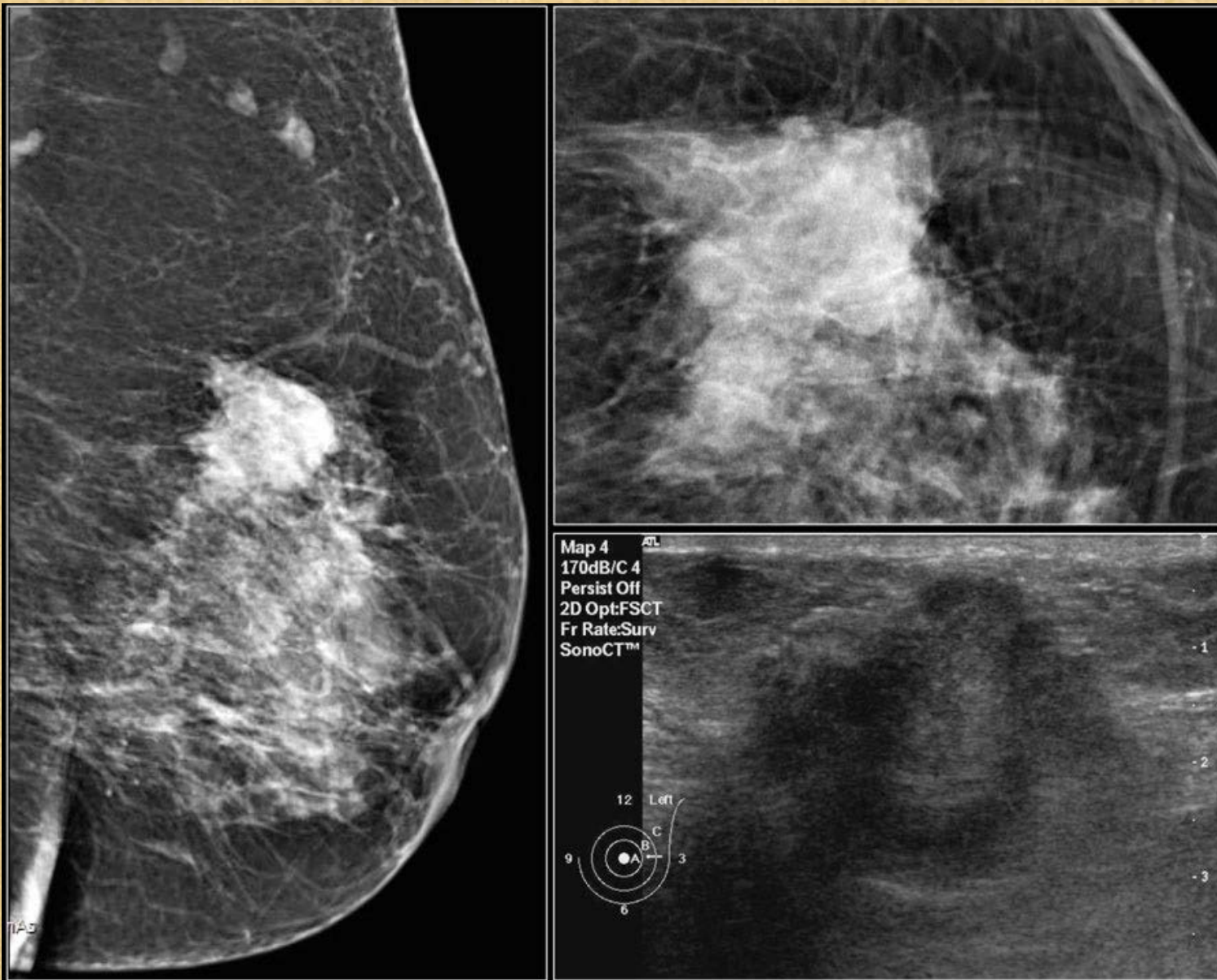
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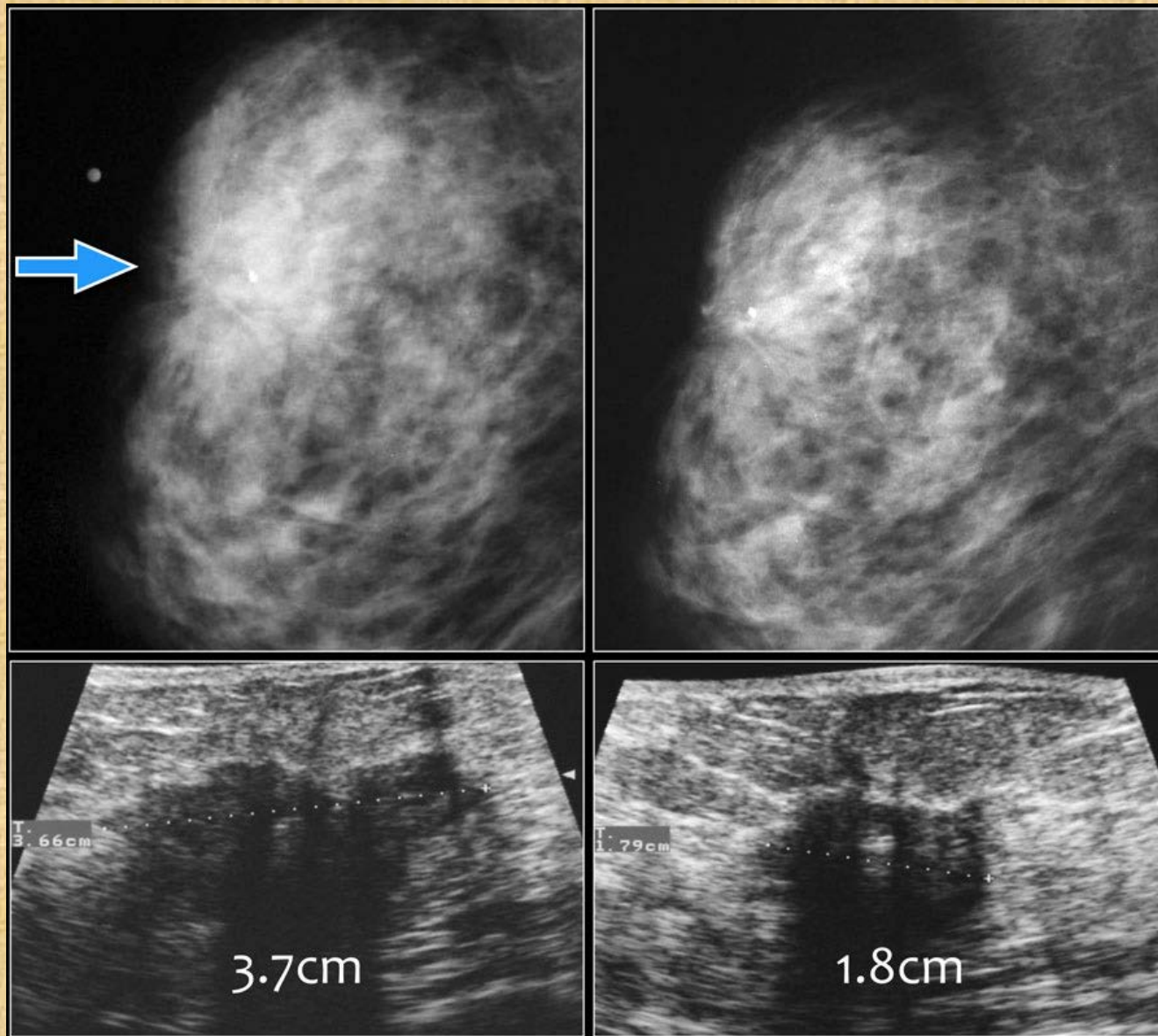
B4



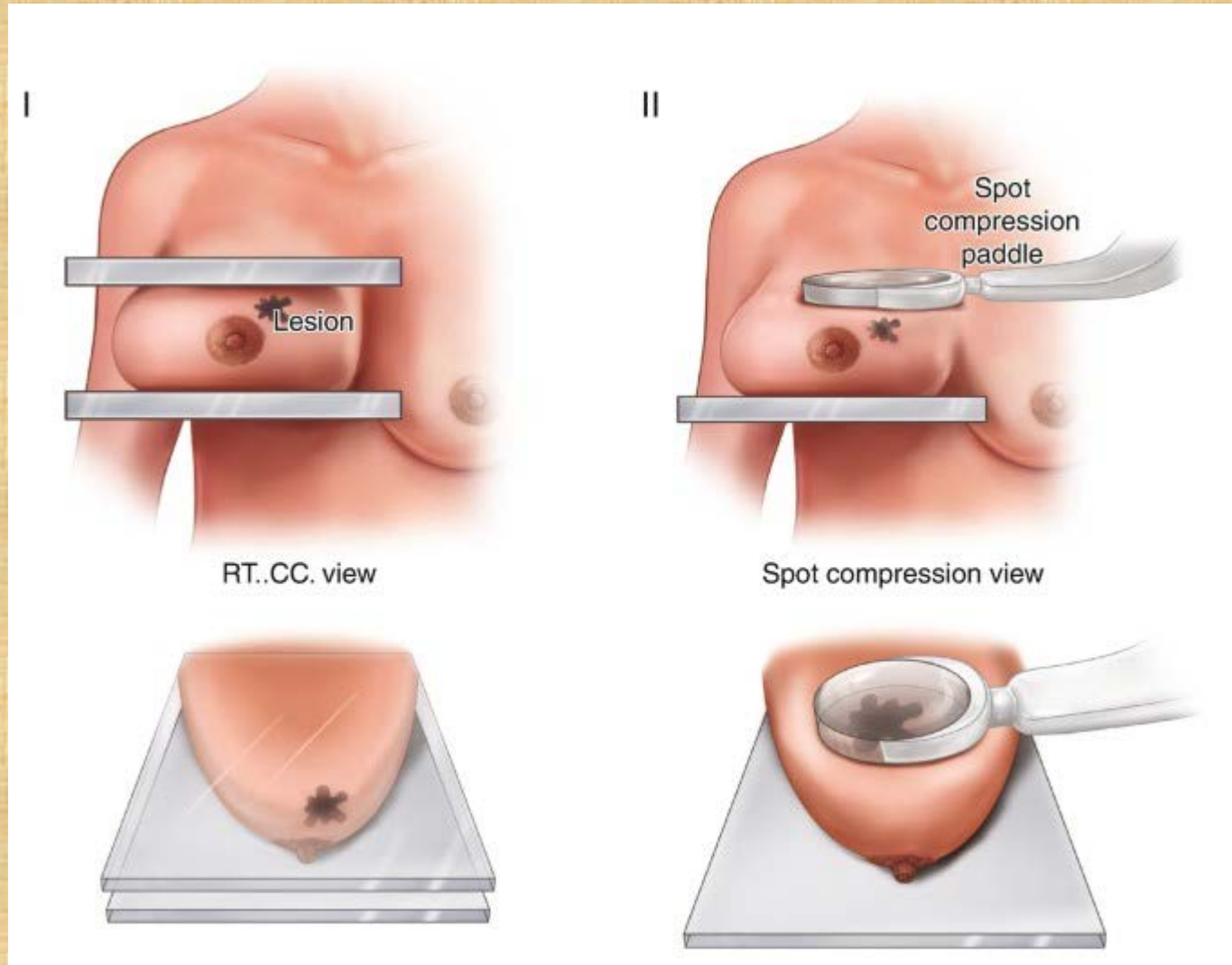
B5



B6

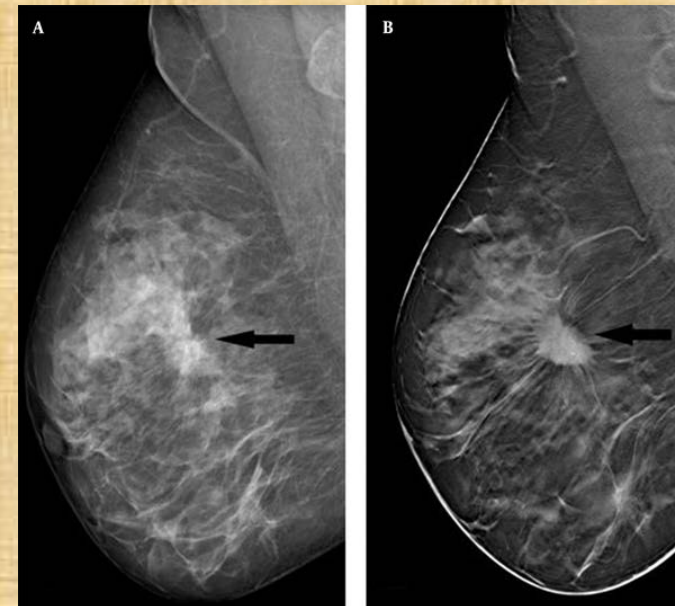
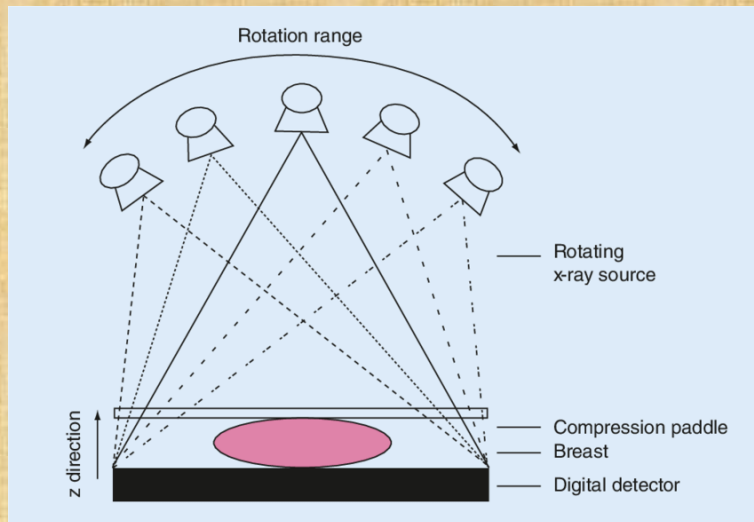


Focal Compression Magnification View (FCMV):



Digital Breast Tomosynthesis (DBT):

- *More angles than a standard mammogram, creating a more detailed image*
- *Special benefit is in the dens breasts*
- *Improve lesion localization and characterization in non calcified lesions (both diagnostic and screening)*
- *Decrease both false positive and false negative cases*



Ultrasonography:



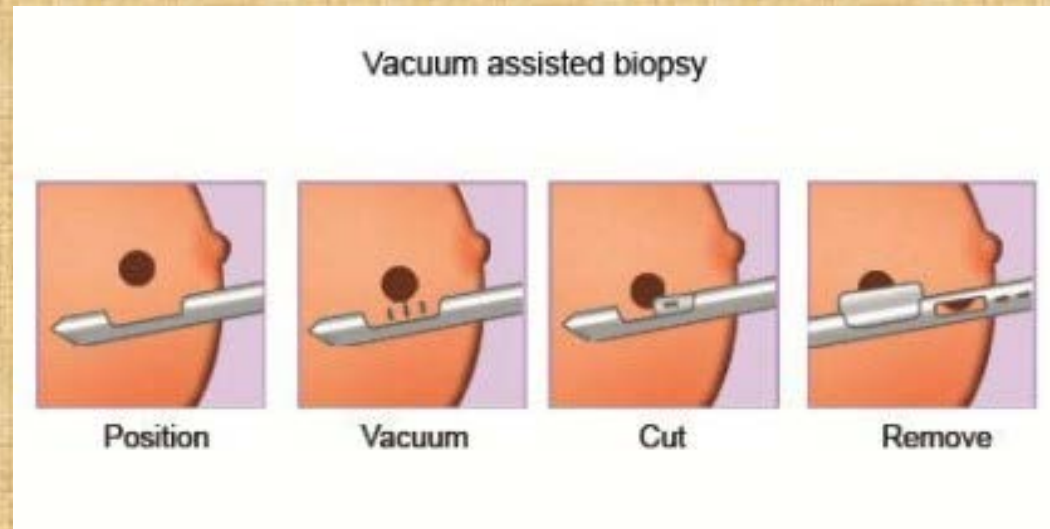
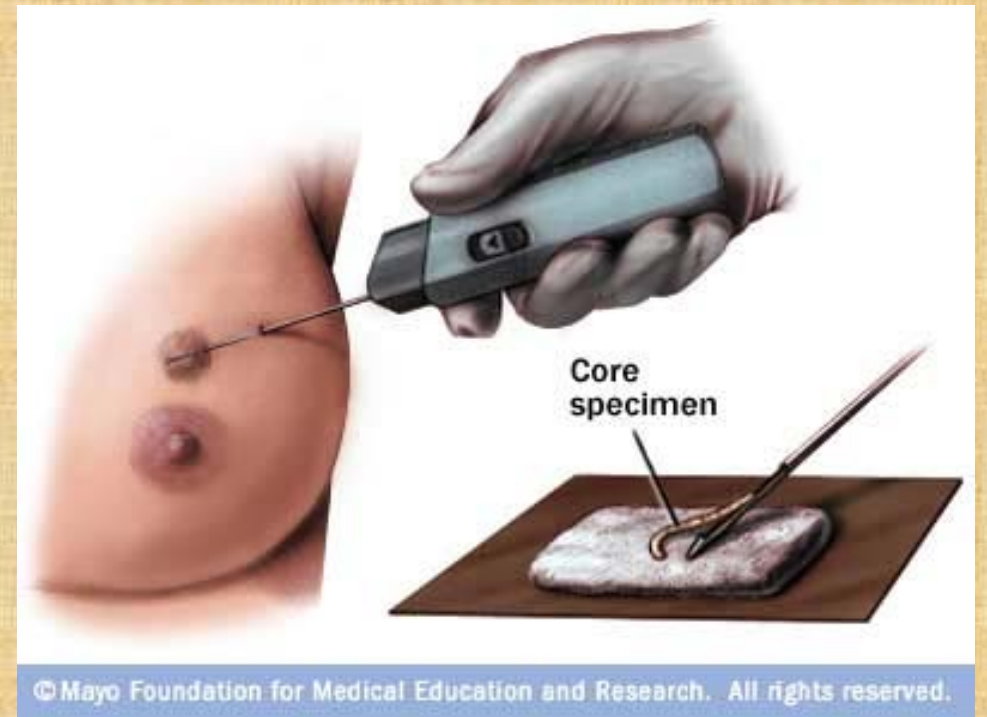
Breast MRI:



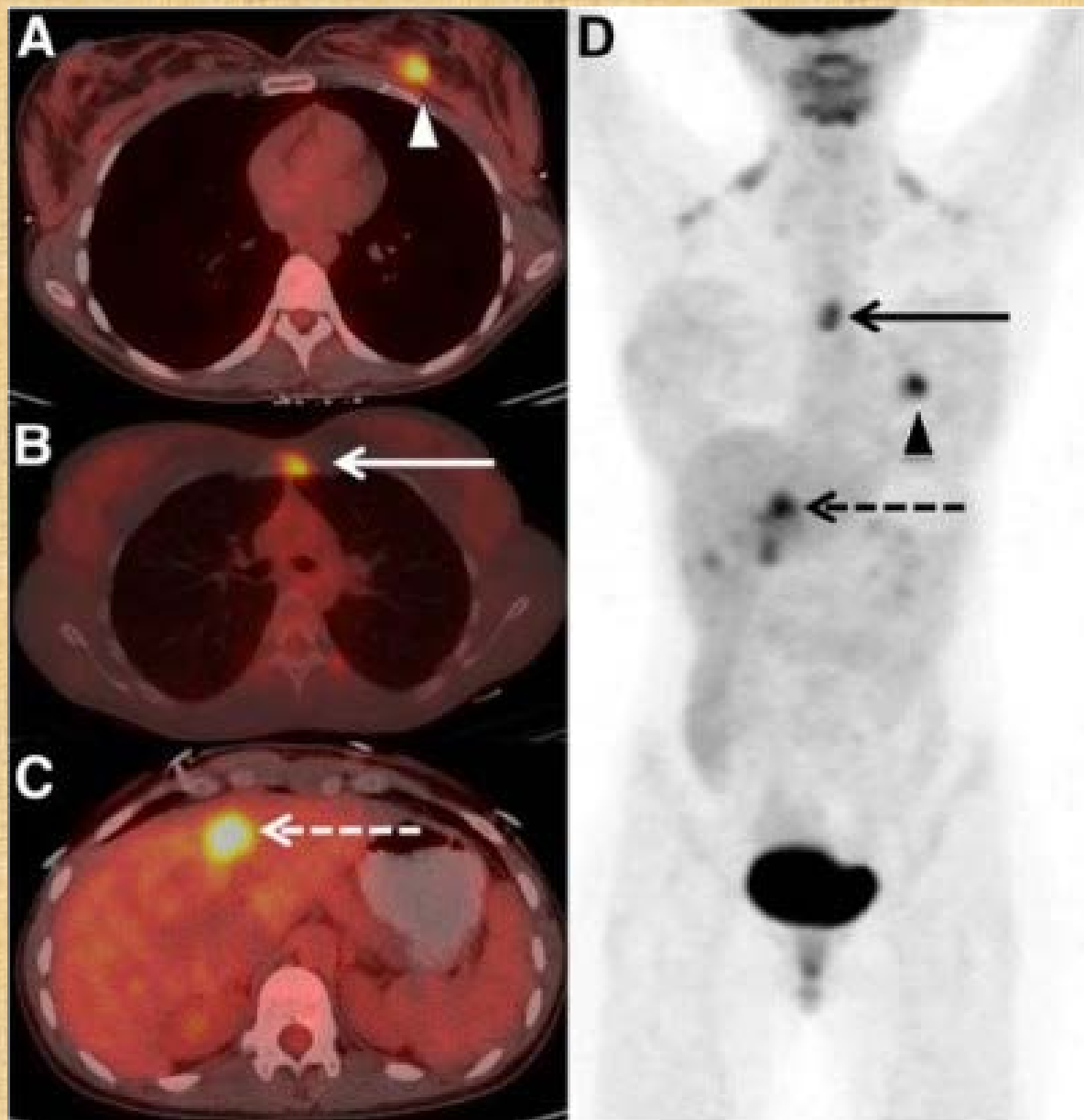
Indication proposed of breast MRI:

- 1-Screening for high risk women with dens breast***
- 2- Evaluation of contralateral and same breast in newly diagnosed breast cancer***
- 3- Unknown origin metastatic axillary node with no pathology defined at regular imaging***
- 4- To assess response to therapy in the setting of neo-adjuvant therapy***
- 5- To select patients for partial breast irradiation therapy***
- 6-Evaluation of treated breast for tumor recurrence***

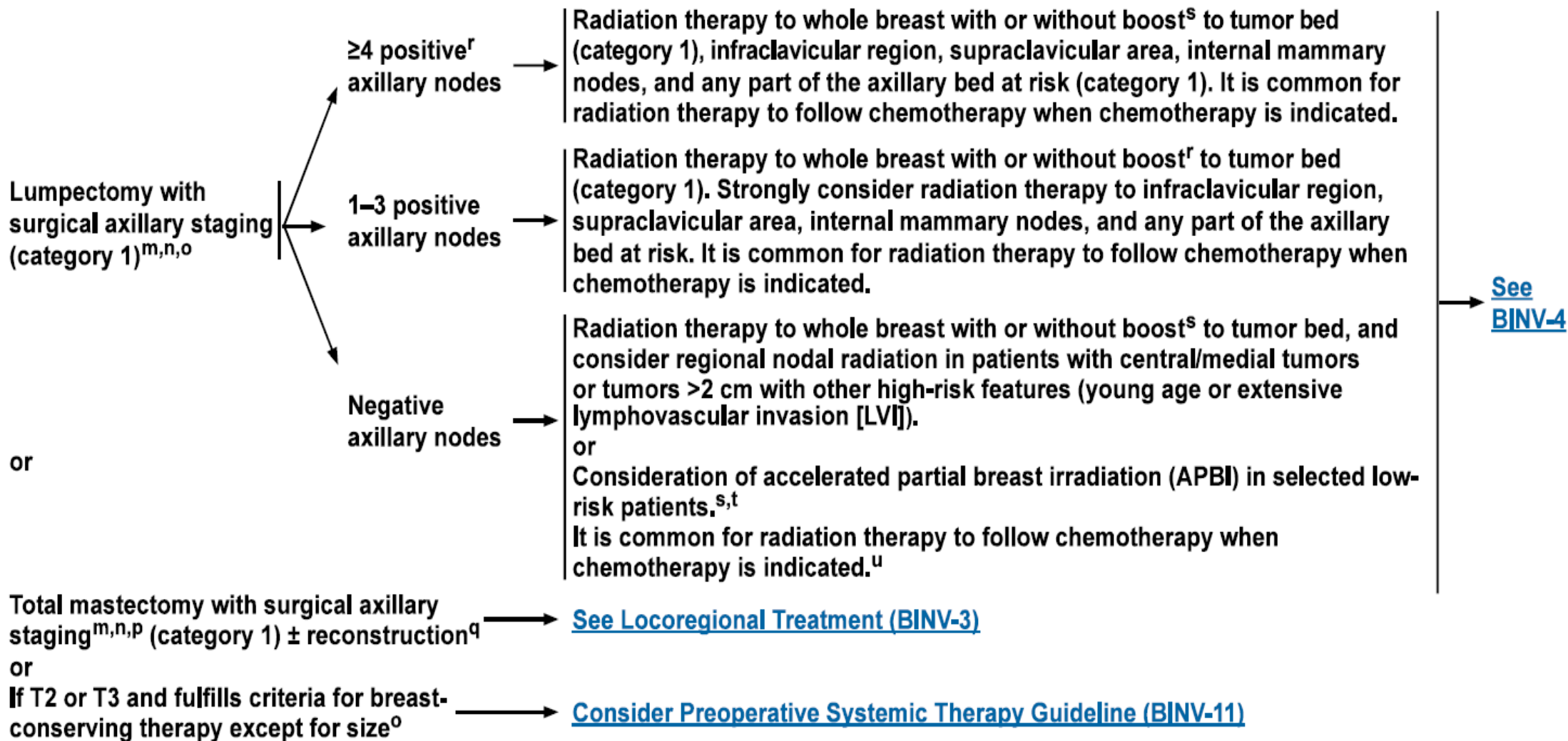




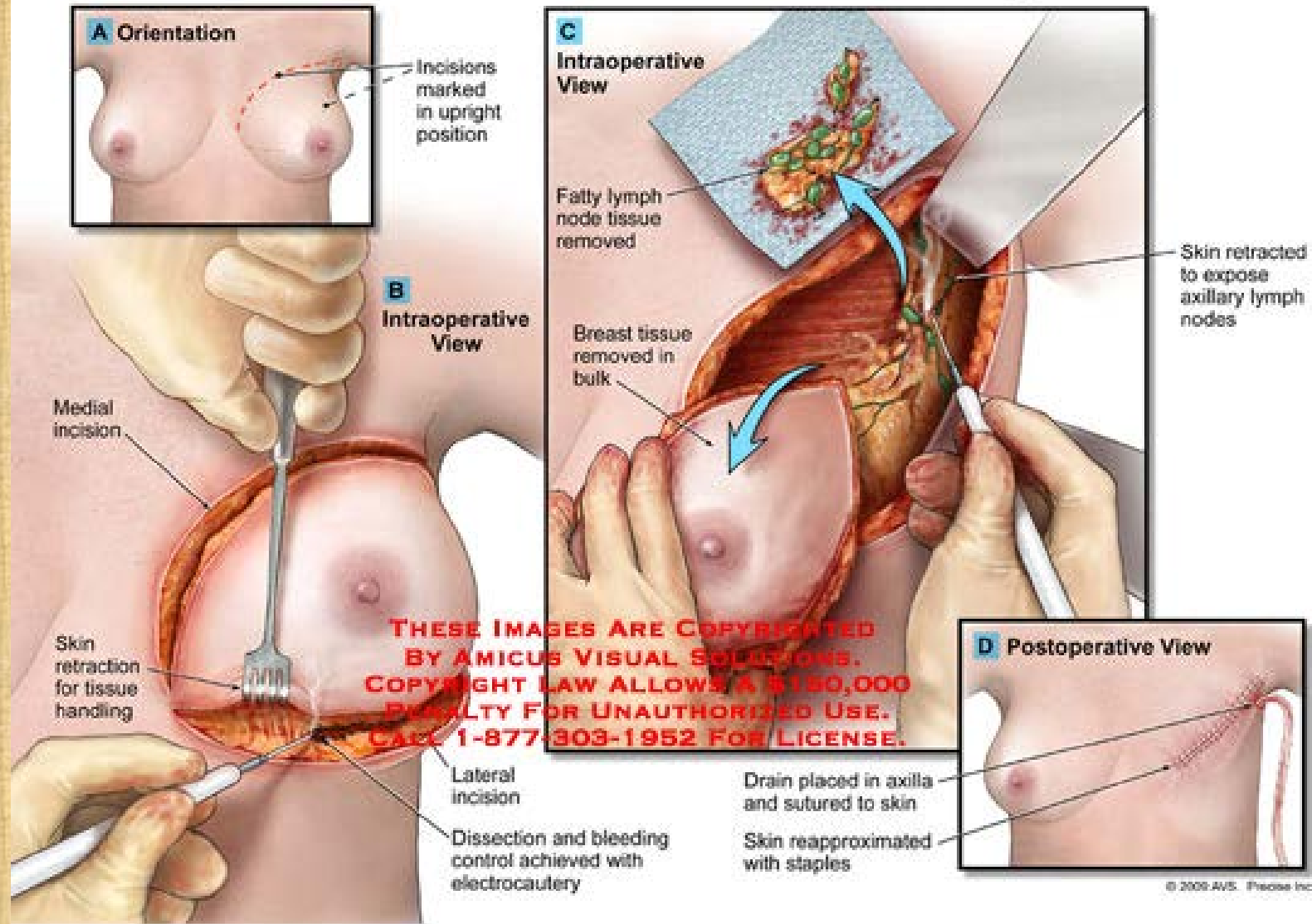
PET Scan:



LOCOREGIONAL TREATMENT OF T1-3,N0-1,M0 DISEASE^l

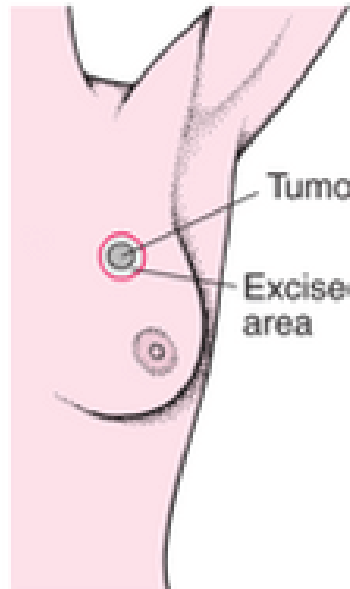


Left Modified Radical Mastectomy

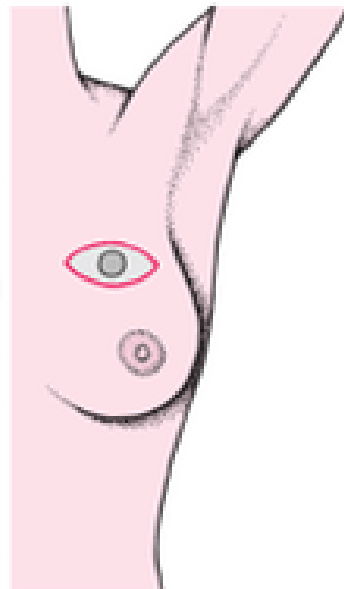


Methods / Techniques of Breast Cancer Surgery

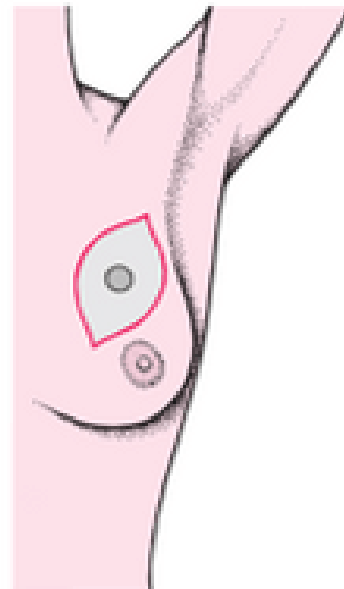
Breast-Conserving Surgery



Lumpectomy

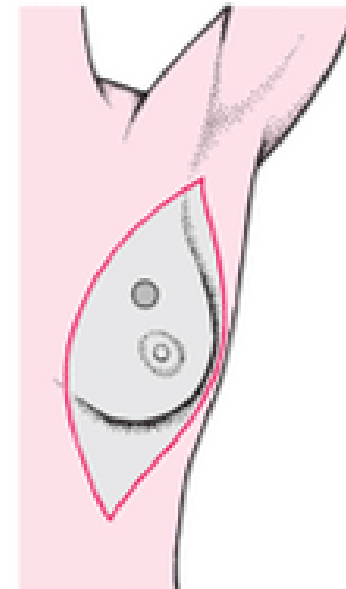


Wide Excision



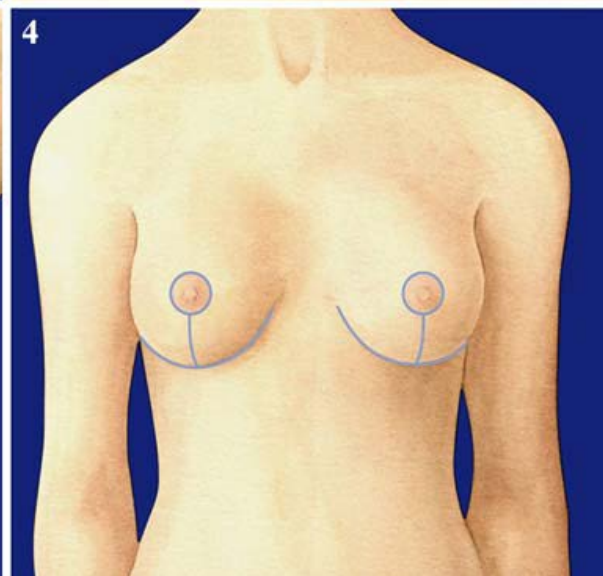
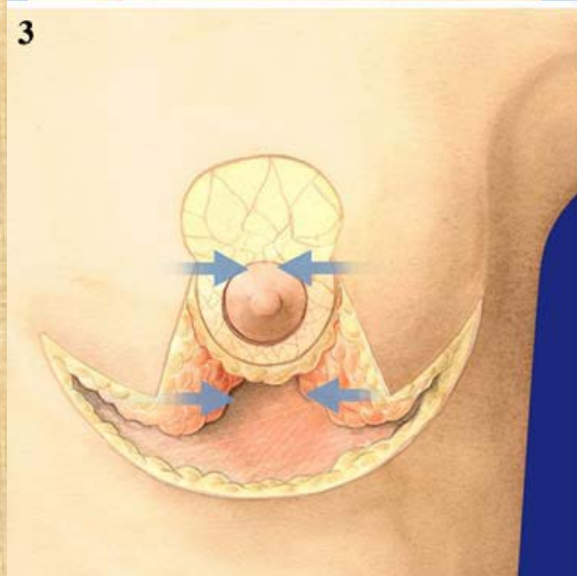
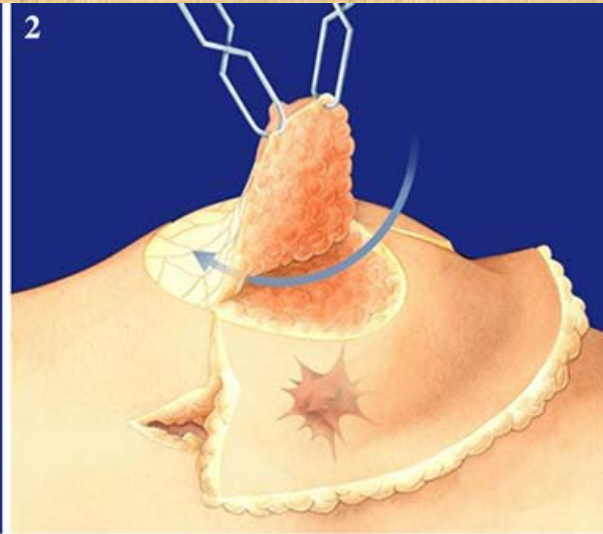
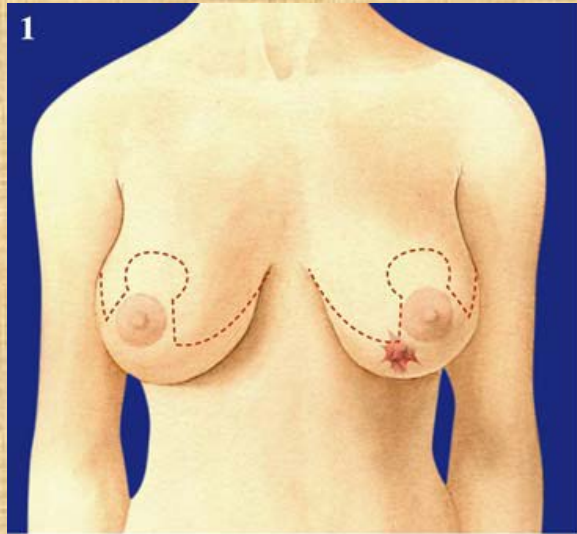
Quadrantectomy

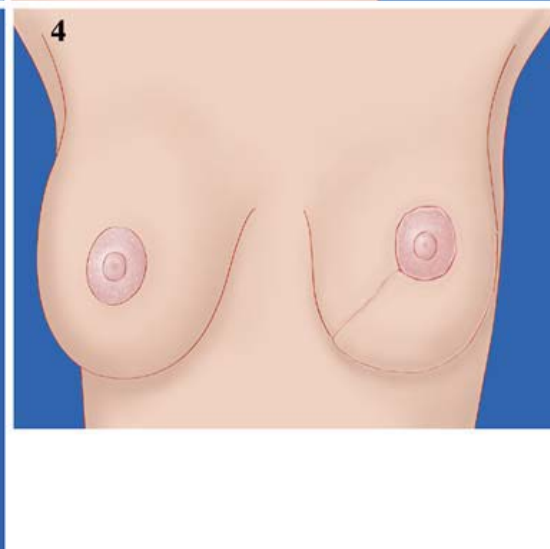
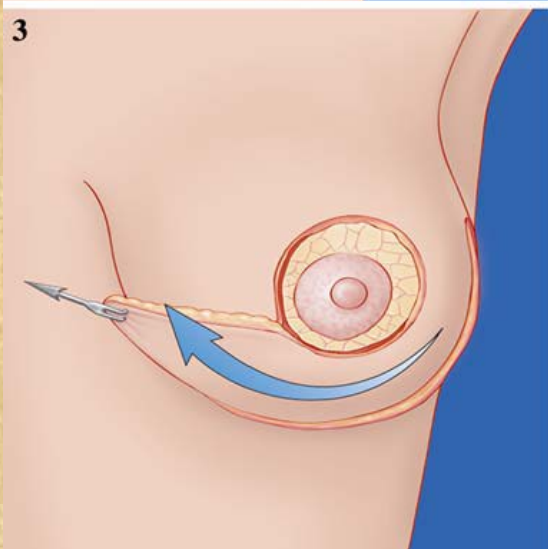
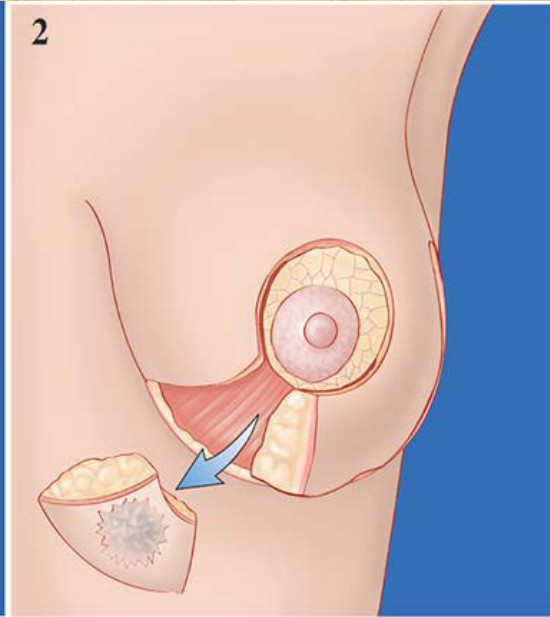
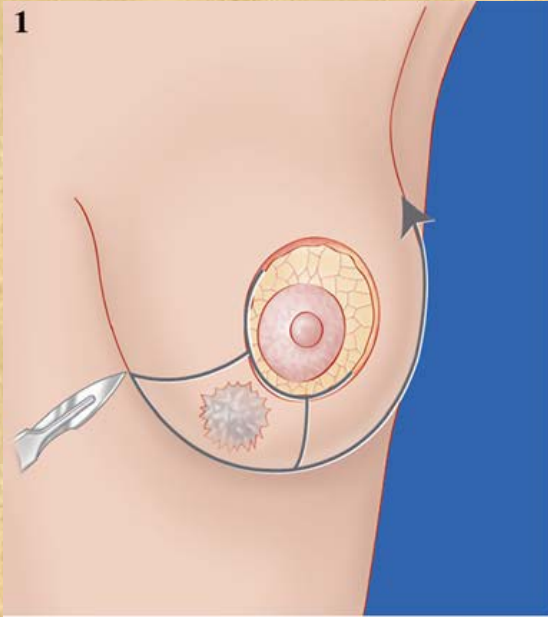
Breast Removal



Mastectomy

{ MediFee.com }





Sentinel Lymph Node Biopsy

