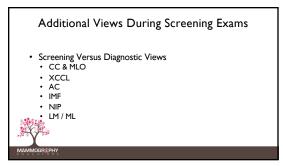


Mammography Tips and Tricks 2.0

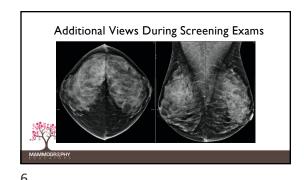
• Additional Views During Screening Exams
• Image Evaluation
• Positioning
• Tech Tips
• Clear Communication

1

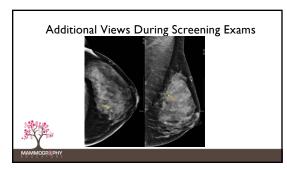


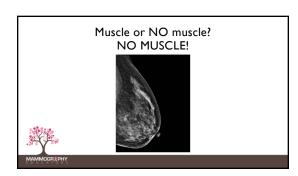
Additional Views During Screening Exams

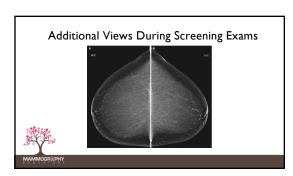
• When should you be adding these views?



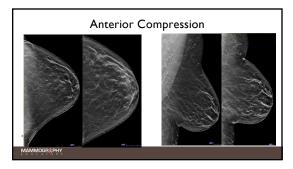
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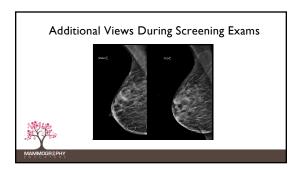


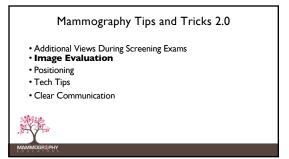




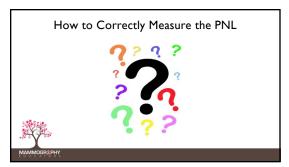
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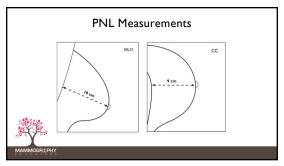


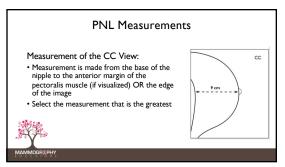




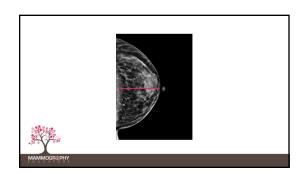
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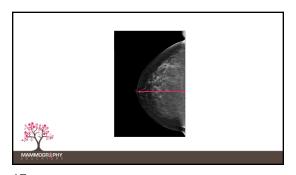


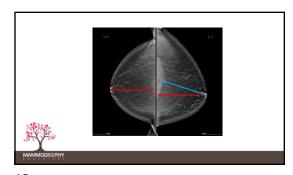




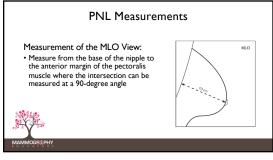
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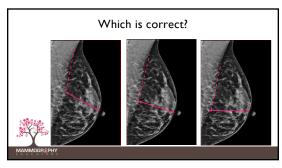


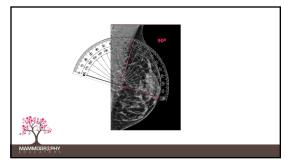




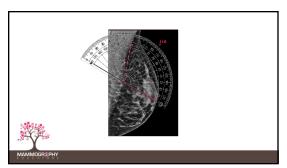
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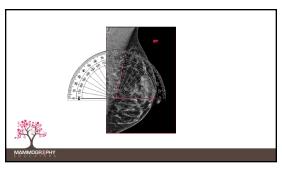






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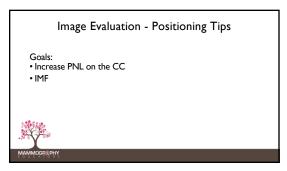


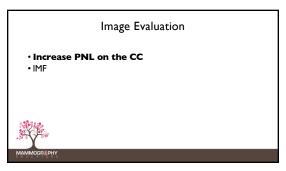


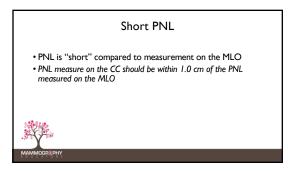
Mammography Tips and Tricks 2.0

Additional Views During Screening Exams
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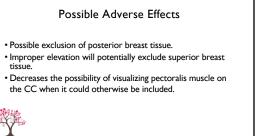
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Corrective Action

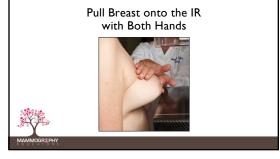
- Make sure that the IMF is elevated properly and that the PNL is perpendicular to the thorax.
- The breast should be pulled onto the IR with both hands.
- Anchor the breast.



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Corrective Action

- The technologist's hand should be on the patient's shoulder (on the side you are imaging), making sure it is relaxed and down.
- Check that the compression paddle is directly adjacent to the rib cage.



Relax Patient's Shoulder with Your Hand

MAMMOGRAPHY

31 32

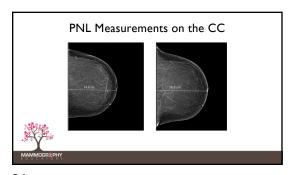
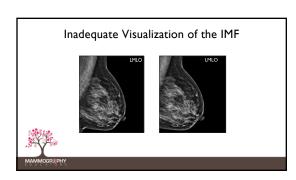


Image Evaluation

• Increase PNL on the CC

• IMF



34 35 36

#### Possible Adverse Effect

Without visualization of the IMF, we cannot be certain that all of the posterior, inferior breast tissue (particularly the medial area) has been included.



37

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#### Corrective Actions

- Check the patient's position. She must be facing the machine with both feet, hips and shoulders forward.
- Make sure the bottom of the IR is later/behind the IMF.



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#### Corrective Actions

- Have the patient step sideways (medially), so that the bottom of the IR is directly below the plane of the nipple -approximately halfway between the umbilicus and the lateral edge of the thorax.
- The corner of the IR should NOT be directly above the umbilicus.



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Proper Placement of the Patient/IR





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#### Corrective Actions

- Check the degree of angulation it may be too steep and therefore not supporting the breast medially.
- Ensure the compression paddle is adjacent to the sternum and over the IMF. The medial and inferior borders of the breast should be in the lower inner quadrant (LIQ).



42

#### Corrective Actions

- Elevate the breast in the "up and out" maneuver.
- Have patient flatten her other breast and hold it up.
- Do not let go until compression is complete.



#### Corrective Actions

- · Elevate the breast in the "up and out"
- Have patient flatten her other breast and hold it up.
- Do not let go until compression is complete.





45 43 44

#### Corrective Actions

- Elevate the breast in the "up and out" maneuver.
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- Do not let go until compression is complete.





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#### Corrective Actions

- Elevate the breast in the "up and out" maneuver.
- Have patient flatten her other breast and hold it up.
- Do not let go until compression is complete.



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#### Mammography Tips and Tricks 2.0

- Additional Views During Screening Exams Image Evaluation
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Stand Up Straight!

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#### Sitting is NOT Recommended for MLO





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### Technologist Sitting for the MLO is NOT Recommended *Unless*:

- The patient is extremely short or the technologist has previous injuries or pain that prohibits standing.
- Sitting is usually the cause of shoulder pain and injury and will actually exacerbate the problem.

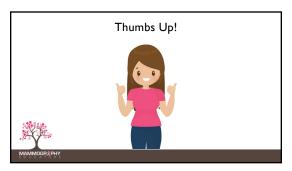


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# No "Lunging"!!

Control the Patient With Your Body

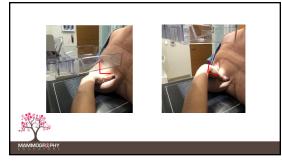


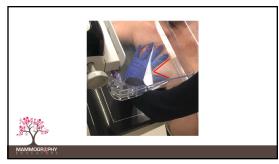




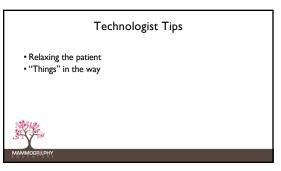
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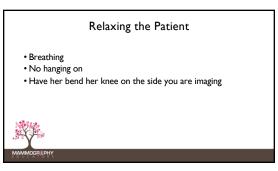


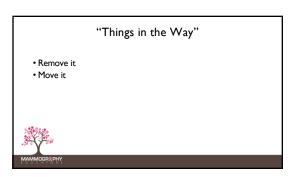




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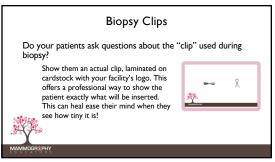




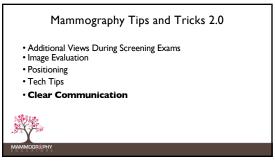
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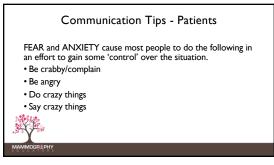


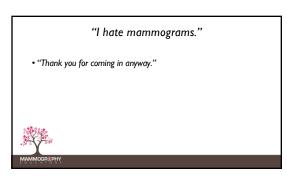




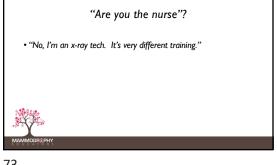
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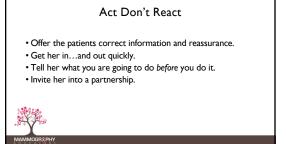
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"What a disgusting job." • "I'm proud to work in Women's Health."

Tips for Scripts • Don't get defensive • Remember, it's not personal • Anxiety creates some "interesting" actions/reactions • Do NOT make fun of your patients or their behavior • How would you act in this same situation?

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Communication Tips - Colleagues

- Complaining about images
- Complaining about patients
- Complaining about co-workers



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can really be annoying!

Some of the things patients do

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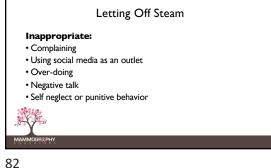
## Letting Off Steam • Inappropriate

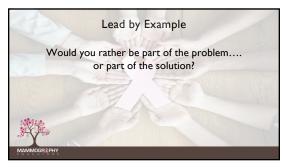
Letting Off Steam Appropriate: • Take a walk Exercise • Listen to music • Treat yourself to some retail therapy • Treat yourself to some self care

79 80 81

76

Appropriate





References

- Huppe, A. I., Overman, K. L., Gatewood, J. B., Hill, J. D., Miller, L. C., & Inciardi, M. F. (2017). Mammography Positioning Standards in the Digital Erx. Is the Status Quo Acceptable! American Journal of Roestgenology, 2016;6, 1143–1425. doi: 1021/41ji.16.17522.

  Miller, Louise C. (2015) Mammography Positioning Guidebook. San Diego, CA.
- Miller, Louise C., Lehmann, T.L. (2020) Image Quality & Positioning Problem Solving for Breast Imagers: Meeting EQUIP Standards. San Diego, CA\
  Video Credit: Volpara Health Solutions



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