

### **Pearls**

- Use principles of general radiology positioning techniques
- Use standardized sequence
- Use standardized technique
- Use proper body mechanics

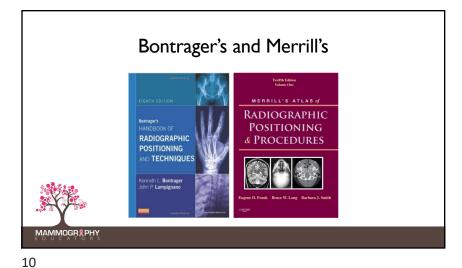
MAMMOGR & PHY

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### Standardization

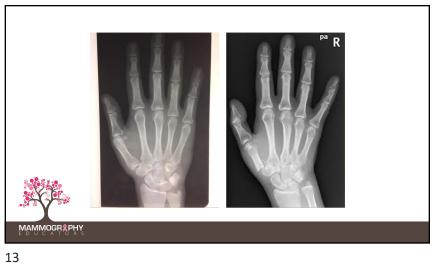
- We all position the same way for every body part
- We all do it in the same sequence
- We all set up the machine before we bring the patient in
- We all position the whole patient, not just the body part

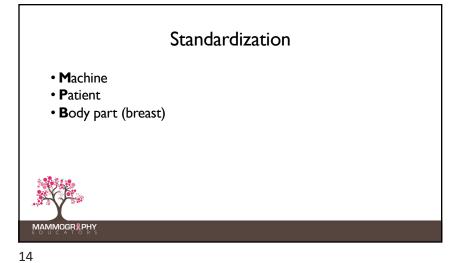


## In General Radiology

All training is competency-based and a technologist's skills will be evaluated for *positioning techniques*, as well as *clinical image* evaluation.







We position the **whole patient**, not just the body part!



## Standardization in Mammography

- Machine: paddle size, height, angle
- Patient: facing forward with both feet, hips, and shoulders
- Breast: elevated to appropriate height/position maintained by compression



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Standardization

- **M**aking
- Positioning
- **B**etter



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Most medical imaging exams are done using the same positioning technique, in the same sequence.



## But in Mammography... We are "All Over the Map!"

- LCC, LMLO, RMLO, RCC
- RCC, LCC, RMLO, LMLO
- RMLO, RCC, LMLO, LCC
- LCC, RCC, LMLO, RMLO
- RCC, RMLO, LMLO, LCC
- LCC, LMLO, RCC, RMLO
- · LMLO, LCC, RCC, RMLO



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• Do CC's first

• Then do the MLO on the side you just finished the CC on

My Suggestion:

• Finally, do the other MLO

Example: RCC, LCC, LMLO, RMLO



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Standardized Positioning Techniques

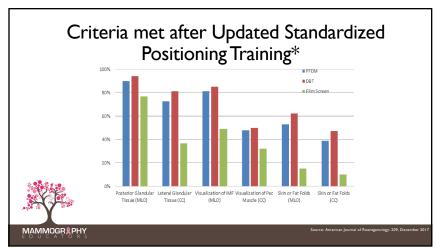
• Data shows a distinct improvement with the use of updated positioning techniques designed for use with FFDM and DBT

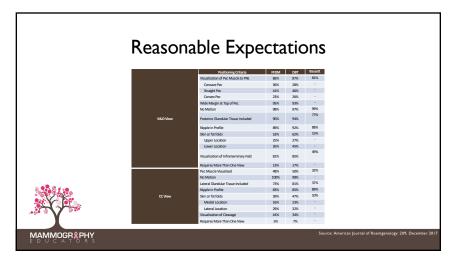
• Sets reasonable expectations

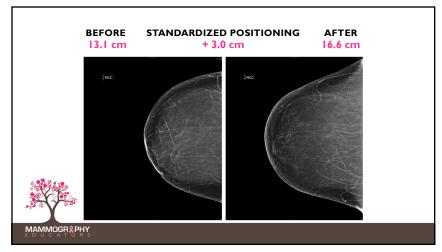


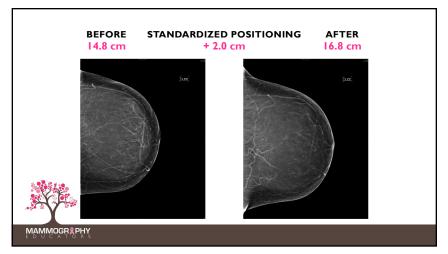
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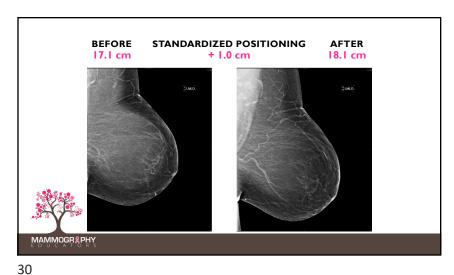


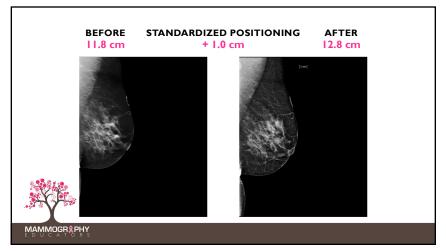


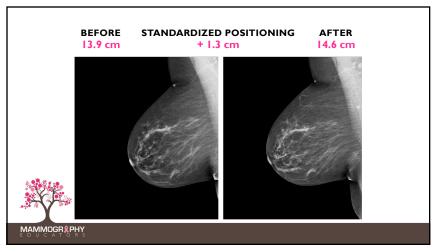


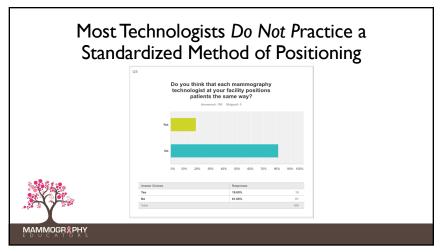


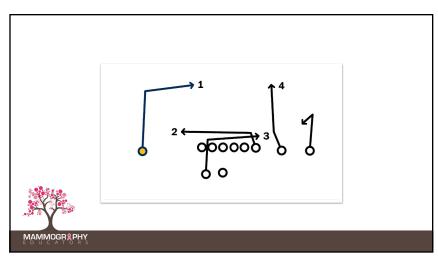






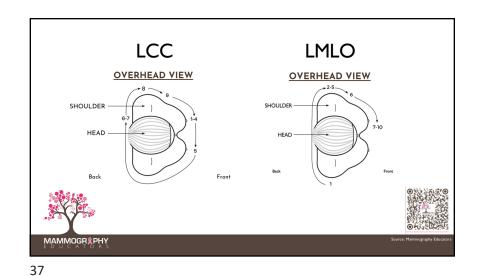


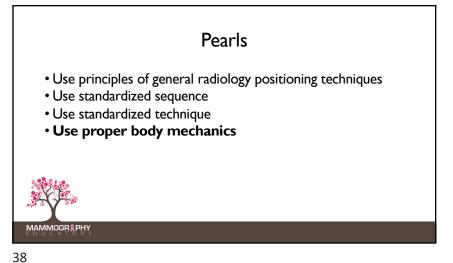












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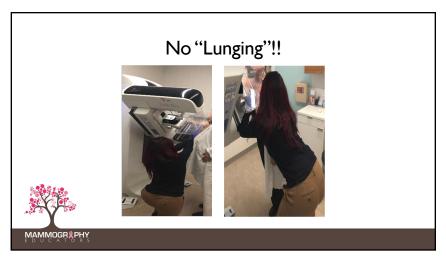










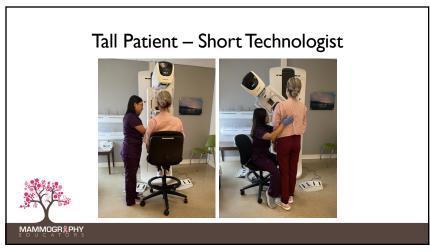




# Technologist Sitting for the MLO is NOT Recommended *Unless*:

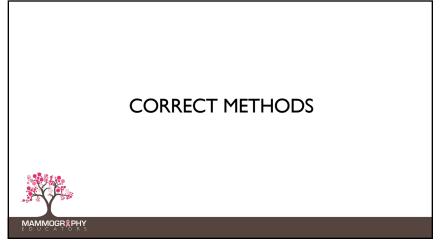
- The patient is extremely short, or the technologist has previous injuries or pain that prohibits standing
- Sitting is usually the cause of shoulder pain and injury and will exacerbate the problem



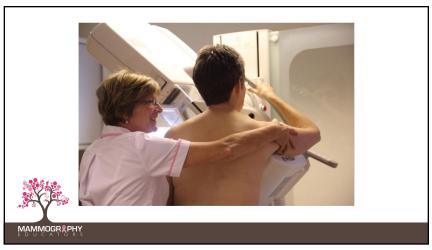














## Suggestions for Improvement

- Use equipment controls and foot paddles to eliminate stretching
- Keep elbows and hands below shoulder level
- Stand up straight!!
- Make sure patient is in proper position (facing machine with both feet, hips, and shoulders)

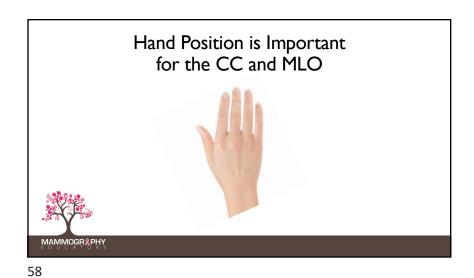


Suggestions for Improvement

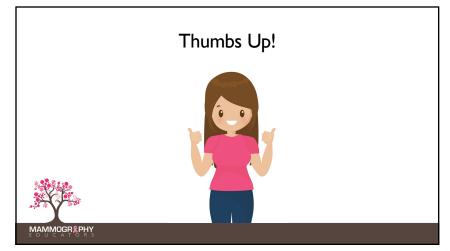
- Stand close to the patient and use your whole body to position her
- Stand on the medial side of the breast being imaged for CC and MLO
- Use flats of your hands and the base of your thumb to support and position the breast

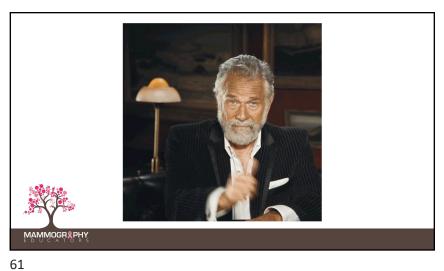






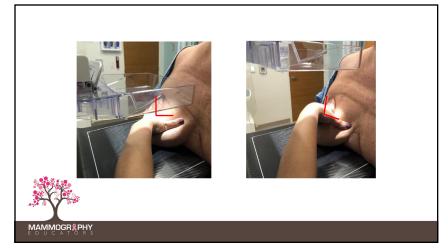


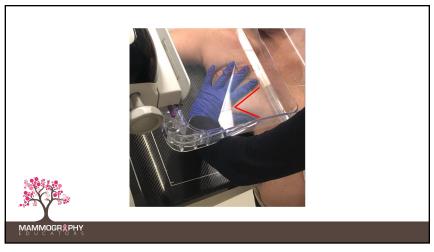


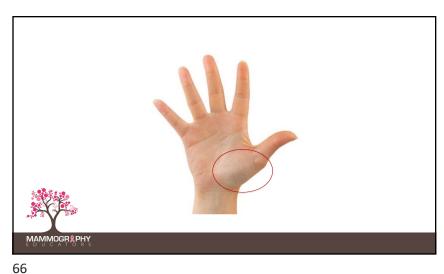












## **Excuses**

- "I have never done it standing" "I can't change"
- "It feels too weird"
- "It's harder"
- "I've been doing it this way for 20 years and my images are good"



**Pitfalls** AVOID PITFALL MAMMOGR RPHY

### **Pitfalls**

- Not using principles of general radiology positioning techniques
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- Inefficiency: takes more time, more work
- Loss of proficiency: more repeats, poor images
- Positioning-related injuries: wrist, shoulder, back etc.

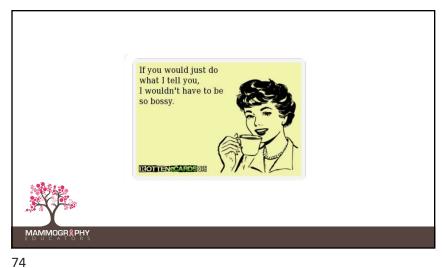


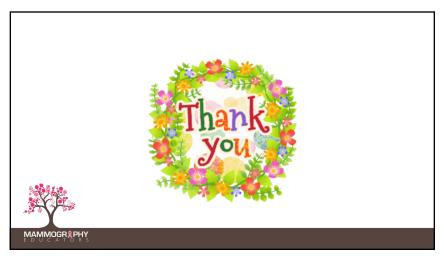
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### For questions or more information:

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#### Services we offer, include:

- Onsite Positioning Training
  Assistance with Accreditation & Inspection Processes
  Live Webinars
- Customized Continuing Education Programs

