

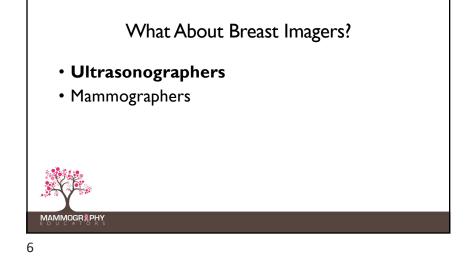


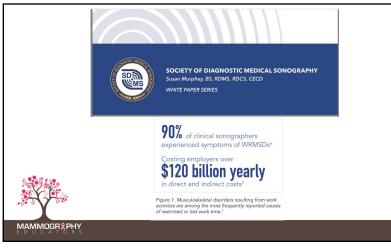
The extent to which The employer always			ect costs dep	ends on the r	nature of the employer	s workers' compensatio	n insurance policy.
Injury Type	Instances	Direct Cost	Indirect Cost	Total Cost	Additional Sale (Indirect)	Additional Sale (Total)	
Carpal Tunnel Syndrome	1	\$ 30,882	\$ 33,970	\$ 64,852	\$ 1,132,340	\$ 2,161,733	Remove
Totals							
	Costs:				\$ 30,88	2	
Totals Estimated Direct Estimated Indirec					\$ 30,88 \$ 33,97		
Estimated Direct	ct Costs:	ect Costs):				0	
Estimated Direct	ct Costs: Direct and Indir	ect Costs):			\$ 33,97	2	

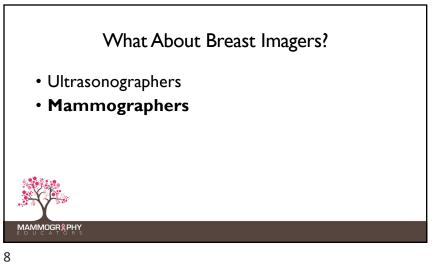
# What About Breast Imagers?

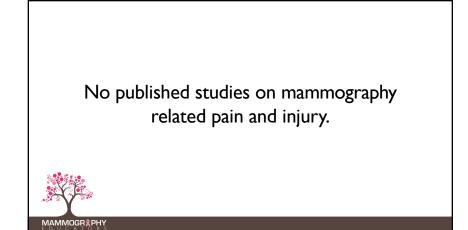
- Ultrasonographers
- Mammographers



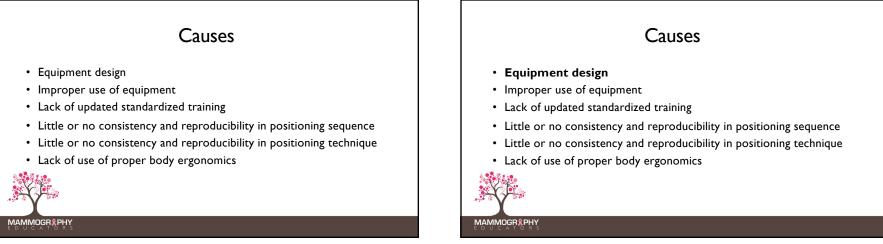








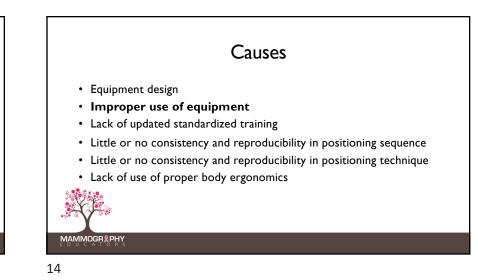




## FS/FFDM/DBT

- Increased length of the IR by up to 40%
- Increased thickness of the IR by up to 80%
- Increased width of face shield up to 50%

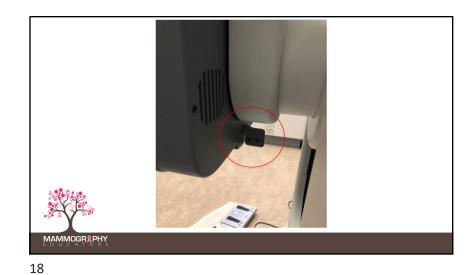




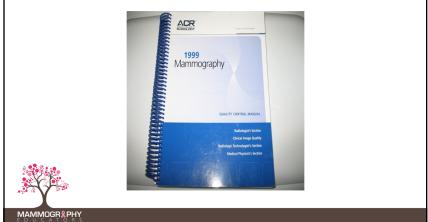


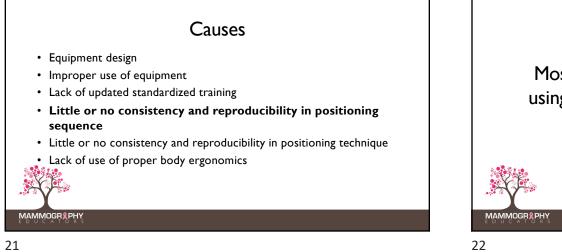




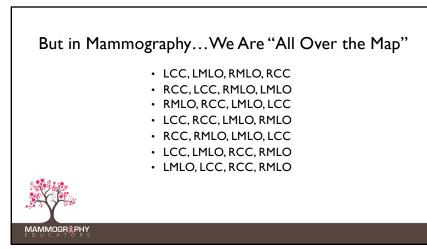


Causes ACR 1999 Mammography • Equipment design • Improper use of equipment • Lack of updated standardized training • Little or no consistency and reproducibility in positioning sequence • Little or no consistency and reproducibility in positioning technique • Lack of use of proper body ergonomics MAMMOGR





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

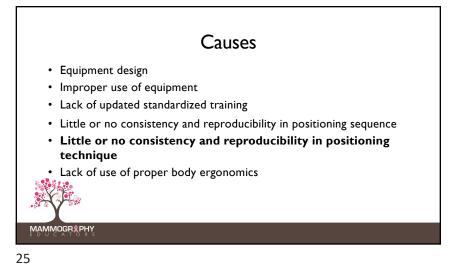


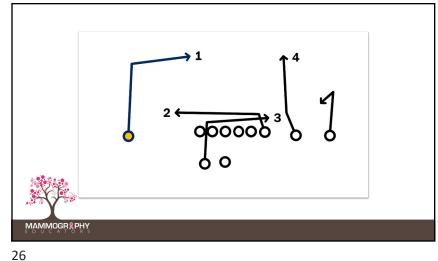
## My Suggestion:

- Do CC's first.
- Then do the MLO on the side you just finished the CC on.
- Finally, do the other MLO.

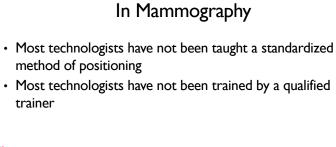
#### Example: RCC, LCC, LMLO, RMLO



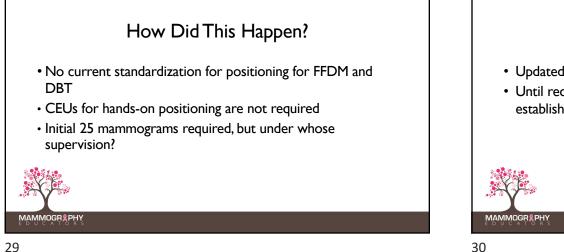












# How Did This Happen?

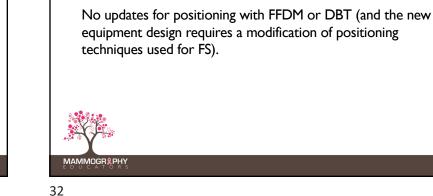
• Updated positioning trainings are not provided by employers

How Did This Happen?

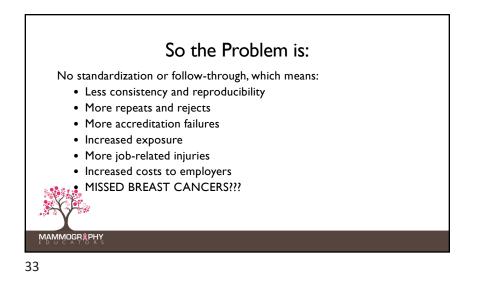
• Until recently, there was no current published data to establish parameters for positioning criteria

# How Did This Happen?

- Technologists are getting most CEUs online (no actual education for positioning)
- Radiologists are passing inadequate images and/or can only give feedback regarding positioning criteria



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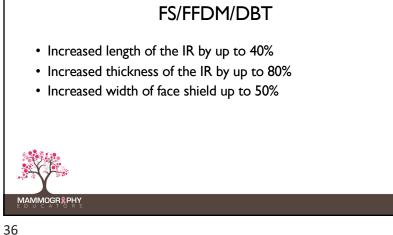


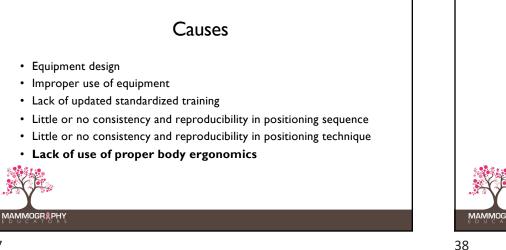


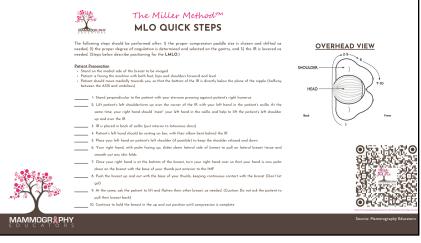
WHY???

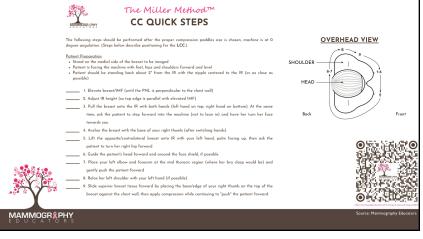
- Consistency
- Reproducibility
- Efficiency
- Proficiency
- Use of proper body mechanics

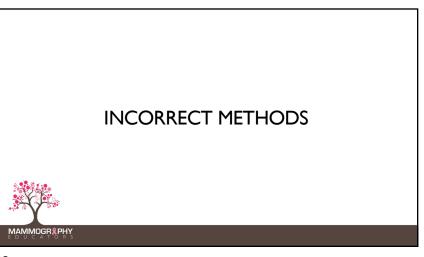






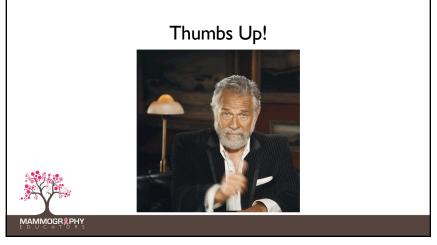


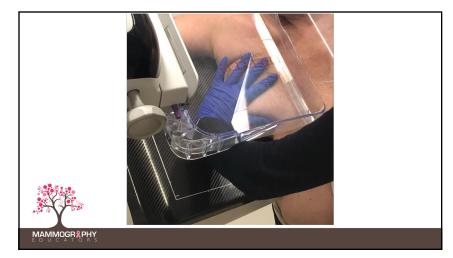


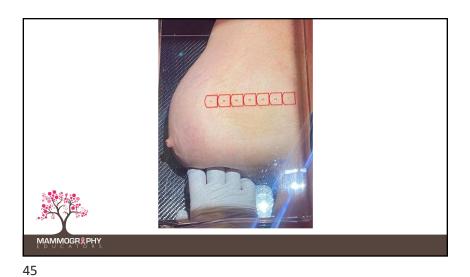


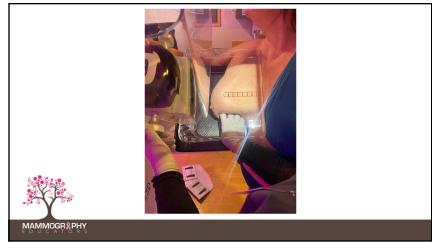




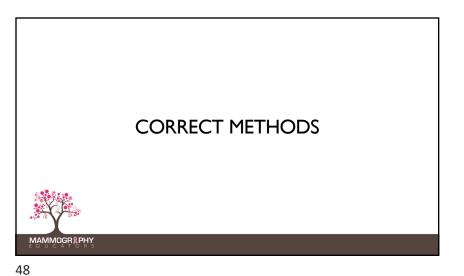




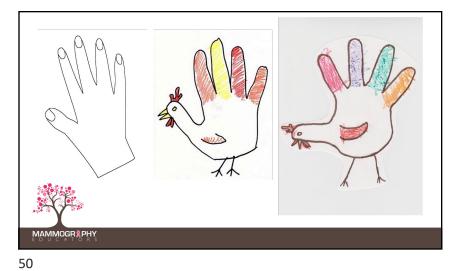




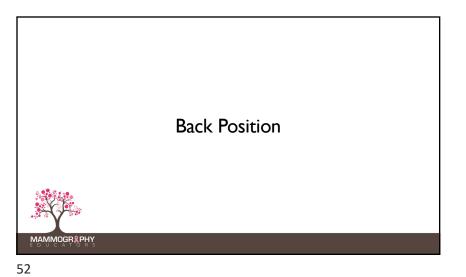




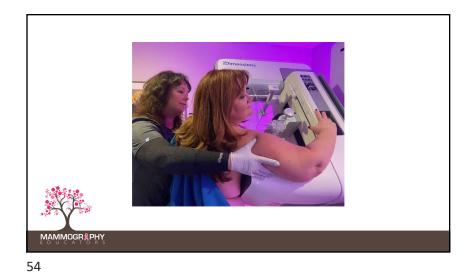












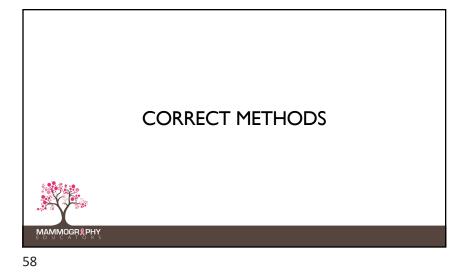
Sitting for positioning is NOT recommended unless...

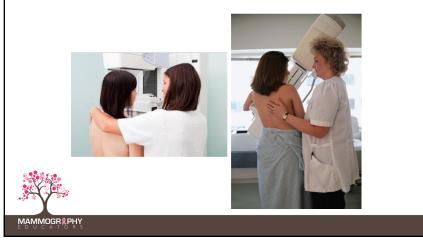
- The patient is extremely short
- The technologist has previous injuries or pain that prohibits standing

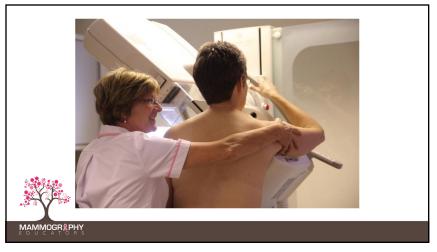
Sitting is usually the cause of shoulder pain and injury and will actually exacerbate the problem.



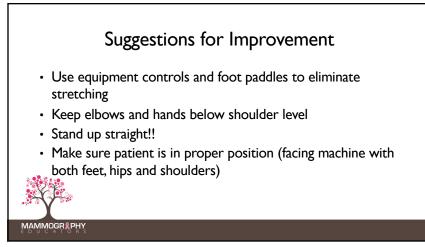


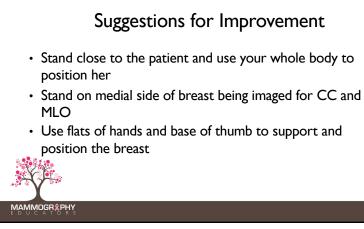


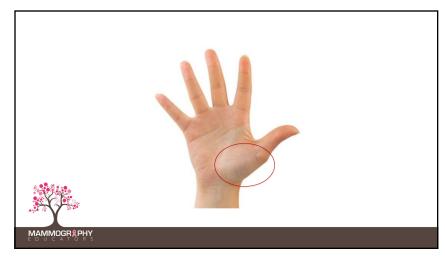












#### Excuses

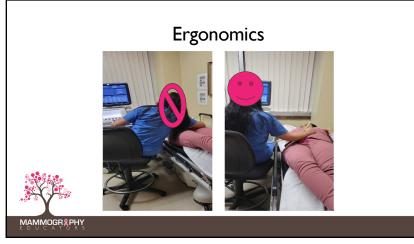
- I have never done it standing
- I can't change
- It feels too weird
- It's harder

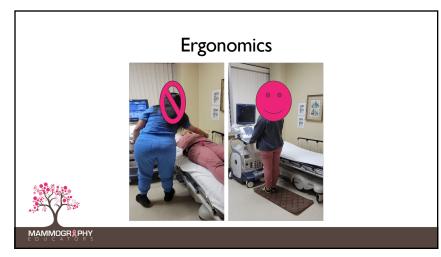
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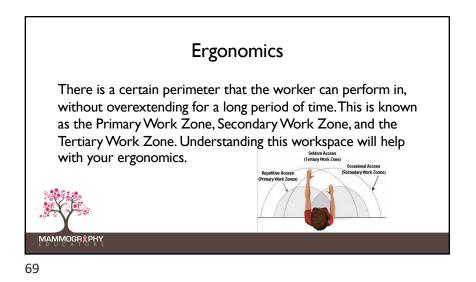
 I've been doing it this way for 20 years and my images are good

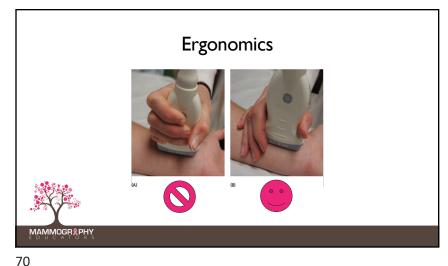
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### Sonographers Body Mechanics

- Console should be fully adjustable for seated or standing use
- Adequate clearance for legs and feet when seated

# Ergonomics

- Base of console width should not interfere with ability of user to reach patient and console
- Touch screen and keyboard should not restrict neutral posture, including excessive reaching beyond primary reach zone



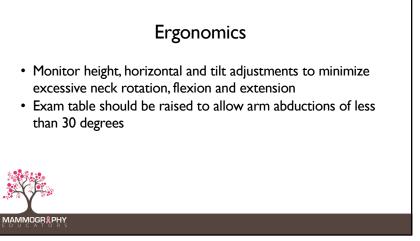
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## Ergonomics

- Use customized preferences to reduce keystrokes
- Transducers should be lightweight and balanced to reduce torque in wrist
- Designed that facilitate Palmer grip/neutral wrist position



# 73



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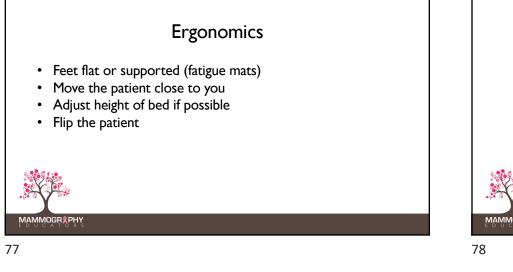
Exam chair should have lumbar, thigh support, footrest and swivels.

# Ergonomics

- Chair or stool adjusted to you
- Monitor at eye level
- Machine within proper reach

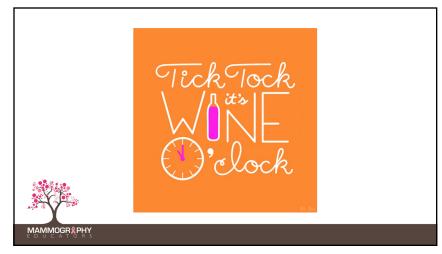


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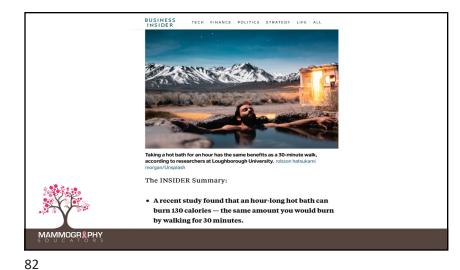












# Simple Exercises Can Reduce Pain and Potential Injury

- Hands/wrists
- Neck and shoulder
- Feet and ankle



Prayer stretch

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