

Challenging Patients and Situations in Mammography

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Challenging Patients

- Patient circumstances
- Body habitus issues
- Special needs



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Challenging Patients

- **Patient circumstances**
- Body habitus issues
- Special needs



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Variable Patient Circumstances

- Mobility
- Limitations
- Breast size



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Variable Patient Circumstances

- **Mobility**
- Limitations
- Breast size



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Mobility

- Wheelchairs
- Walkers
- Scooters



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Mobility

- **Wheelchairs**
- Walkers
- Scooters



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Turn the wheelchair at a 45-degree angle away from the IR



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Wheelchair Patients

- Remove the arms from the chair
- Get her to sit up as straight as possible in the chair
- Have her sit as far forward in the chair as possible (use pillows to “bolster” her)



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Mobility

- Wheelchairs
- **Walkers**
- Scooters



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Patients with Walkers

- Assess stability
- Get her to sit up as straight as possible in the chair
- Have her sit as far forward in the chair as possible (use pillows to “bolster” her)
- Move foot pedals out of the way



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Reduce Fall Risk



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Mobility

- Wheelchairs
- Walkers
- **Scooters**



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Let Her Drive Herself to Where You Need Her to Be!



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Mobility

- When in doubt, the patient should be seated!
- Leave her in her wheelchair
- Be very cautious of stools with wheels
- Consider patient stability



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Mobility

- Override automatic compression release
- Let them hang on
- Get assistance
- Accurately assess stability



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Assessing Stability

Ask them if they do things in their “real life” that requires similar ability:

- “Can you get in and out of bed on your own?”
- “Do you get to the bathroom without help?”



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Don't Just Ask: “Can you stand?”

Mammography requires:

- Balance
- Stability
- ROM



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Variable Patient Circumstances

- Mobility
- **Limitations**
- Breast size



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Limitations

- Limited ROM - neck, shoulder; arm, etc.
- Full or partial paralysis



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Limited ROM: Full or Partial Paralysis

- Mostly does not affect CC
- If you can't do a MLO... do a LM or ML
- For visualization of UOQ, do slightly angled AT



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Variable Patient Circumstances

- Mobility
- Limitations
- **Breast size**



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Breast Size

- Extremely large
- Extremely small



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Extremely Large Breasts



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Extremely Large Breasts: Challenges

- Volume of breast tissue
- Weight of the breast
- Limited size of IR
- Increased probability of stretching/tearing of the skin (especially in IMF)
- Protruding abdomen



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Extremely Large Breasts: Tips

- Perform a high and low MLO, if needed
- Do an anterior compression view, if needed
- To help increase visibility of the IMF, have the patient lift and flatten her contralateral breast



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Extremely Large Breasts: Tips

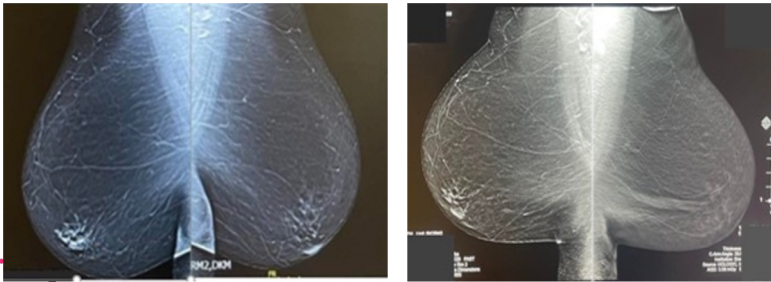
- Hold the breast up higher than you think you need
- Make sure it is held up *and* out
- **Don't let go** until compression is complete



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Holding the Breast in the Up and Out Position Until Compression is Complete



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Extremely Large Breasts: Challenges

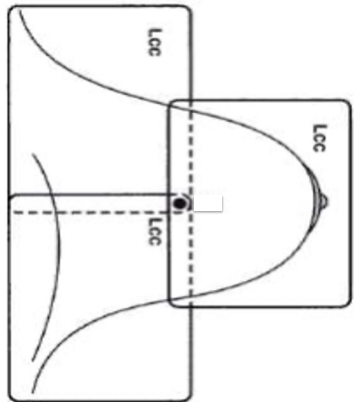
The biggest challenge is that multiple images must be used and then “pieced” together, making sure that no breast tissue was “missed”

- “Mosaic” or “tile” the breast in segments
- Use “marker” to designate overlap



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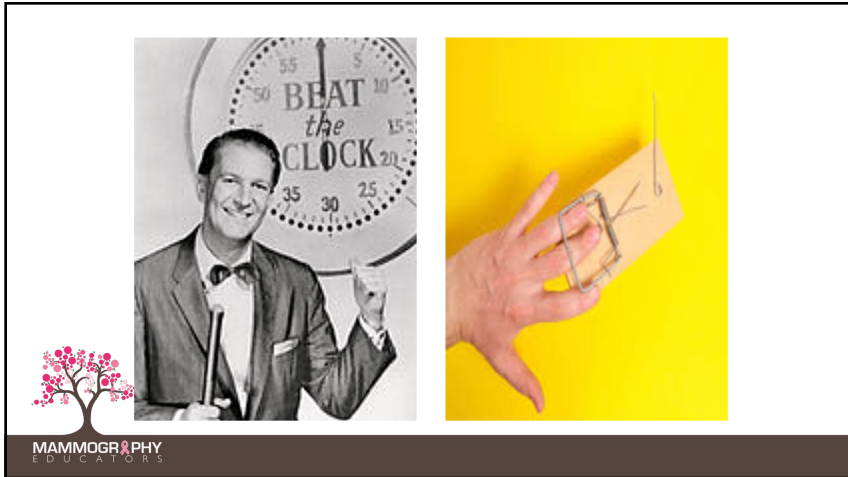
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Extremely Small Breasts

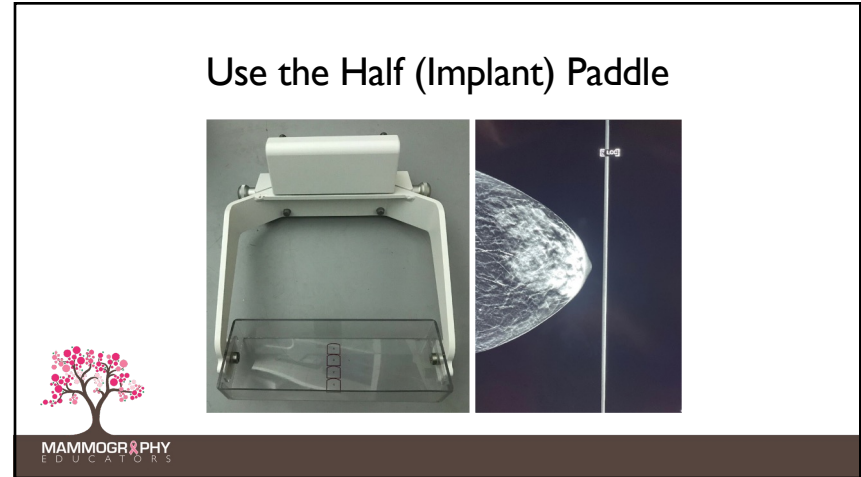


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Position From Behind the Patient

- Use the implant displacement techniques
- Position from behind the patient*
- Have the patient seated

** If positioning from behind the patient, it is imperative that you explain the process to assure her comfort level.*



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Challenging Patients

- Patient circumstances
- **Body habitus issues**
- Special needs



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Body Habitus Issues

- Pectus carinatum
- Pectus excavatum
- Kyphosis
- Lordosis
- Scoliosis



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Body Habitus Issues

- **Pectus carinatum**
- Pectus excavatum
- Kyphosis
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- Scoliosis



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Pectus Carinatum

- Also called **pigeon chest**
- A deformity of the chest characterized by a protrusion of the sternum and ribs
- More common in males than females (4:1 ratio)

Hint: Carrions (birds that eat meat)



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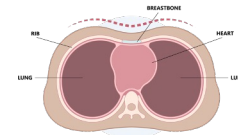
Carrions



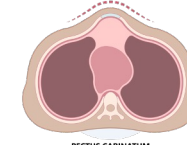
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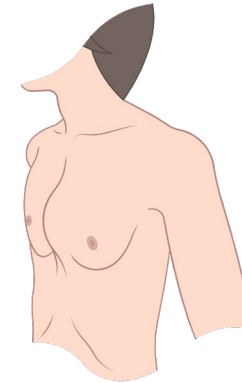
PECTUS CARINATUM



NORMAL CHEST WALL

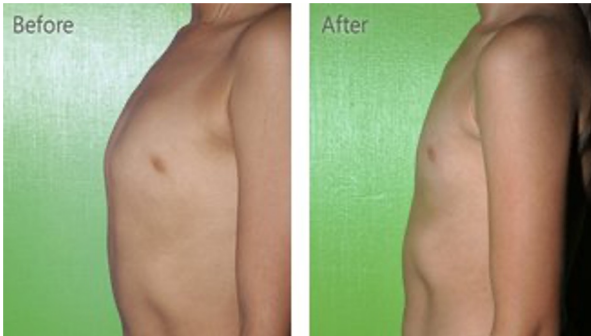


PECTUS CARINATUM



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Body Habitus Issues

- Pectus carinatum
- **Pectus excavatum**
- Kyphosis
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Pectus Excavatum

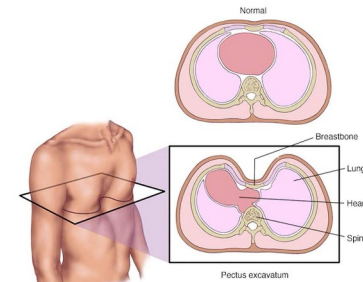
- Also called **funnel chest**
- A deformity of the chest characterized by an indentation of the sternum accompanied by a protrusion of the ribs
- More common in males than females (3:1 ratio)

Hint: Excavate, cave



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Pectus Carinatum / Pectus Excavatum

- Try standard views
- “Chevron” the CCs: XCCL and CV, as needed
- LM as additional view (slightly angle the top of the IR *away* from the breast being imaged, if needed)



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Body Habitus Issues

- Pectus carinatum
- Pectus excavatum
- **Kyphosis**
- **Lordosis**
- **Scoliosis**



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Conditions of the Spine

- Kyphosis: curvature of the thoracic spine
- Lordosis: curvature of the lumbar spine
- Scoliosis: lateral curvature of the spine



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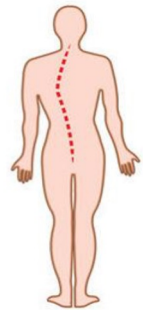
Kyphosis



Lordosis



Scoliosis



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Body Habitus Issues

- Pectus carinatum
- Pectus excavatum
- **Kyphosis**
- **Lordosis**
- **Scoliosis**



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Positioning for Patients with Kyphosis/Lordosis

Attempt the standard views first, then add views as needed:

- “Lordotic” CC
- LM
- Use tips recommended for pectus issues (angled LM, “chevroned” CCs)



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Body Habitus Issues

- Pectus carinatum
- Pectus excavatum
- Kyphosis
- Lordosis
- **Scoliosis**



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Scoliosis



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Scoliosis

- CCs should not be affected
- Two different degrees of angulation for the MLOs may be needed



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KISS

K.I.S.S

Keep It Simple
Sister!



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Keep It Simple Sister!

- I attempt the standard views first
- Get “creative” as needed
- I *rarely* do a FB
- I never do a SIO
- I never do an LMO



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My Favorite Go-To View?!



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Challenging Patients

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Special Needs

- Alzheimer's
- Dementia
- Overly medicated
- Elderly, infirm
- Confused
- Developmentally disabled



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Special Needs

- Seek the assistance of their caretaker
- Let them stay in the room
- Speak slowly and clearly
- Use terminology they can understand
- Find solutions for recurring problems



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Special Needs

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Special Needs



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DO YOUR BEST.....



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No Matter the Limitations...

Document... Document... Document!

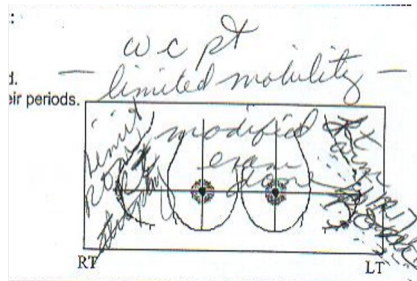
- Use appropriate terminology
- Keep it concise
- Be consistent



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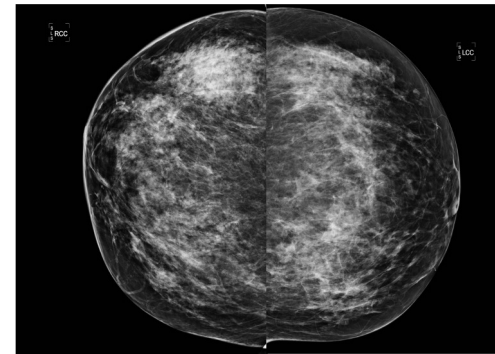
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What NOT To Do



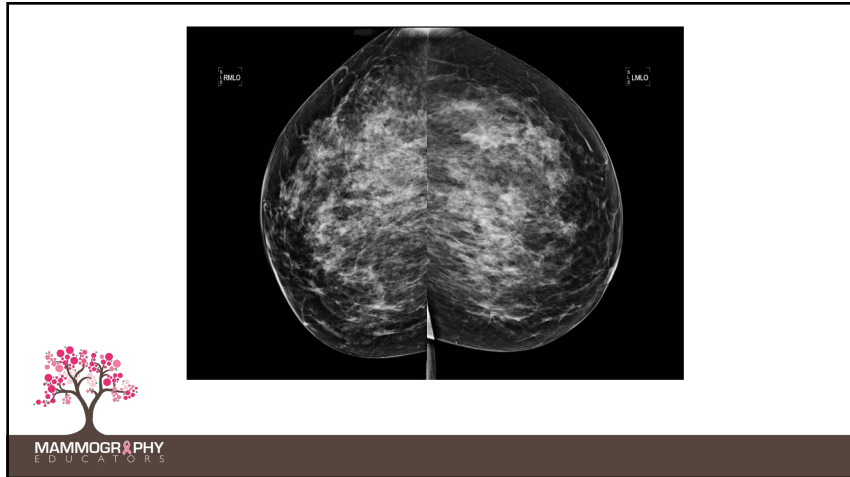
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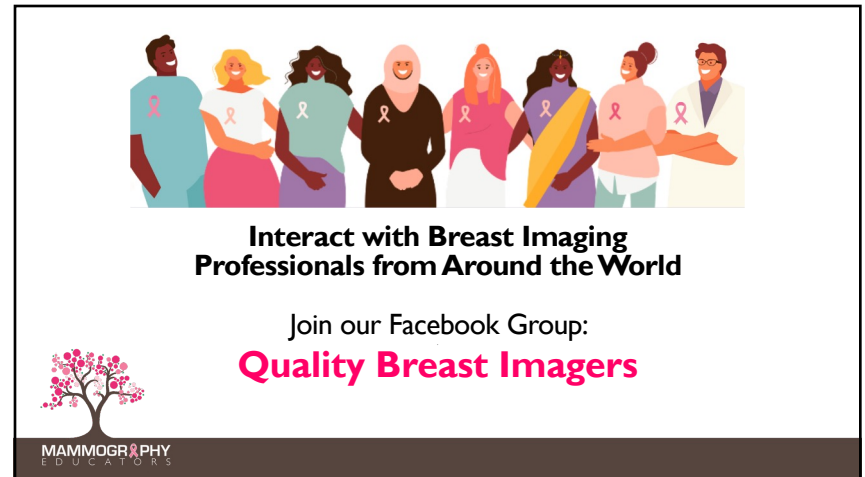
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