

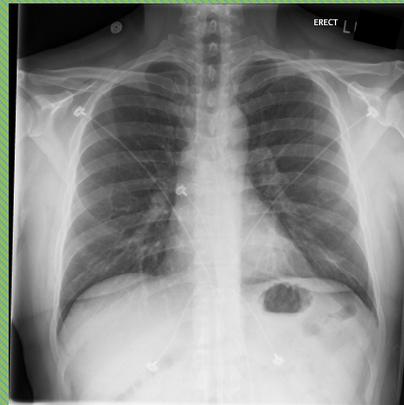
Reading Hospital School of Health Sciences Medical Imaging Program

MI123: Clinical Seminar I
Routine Chest Image Critique

1

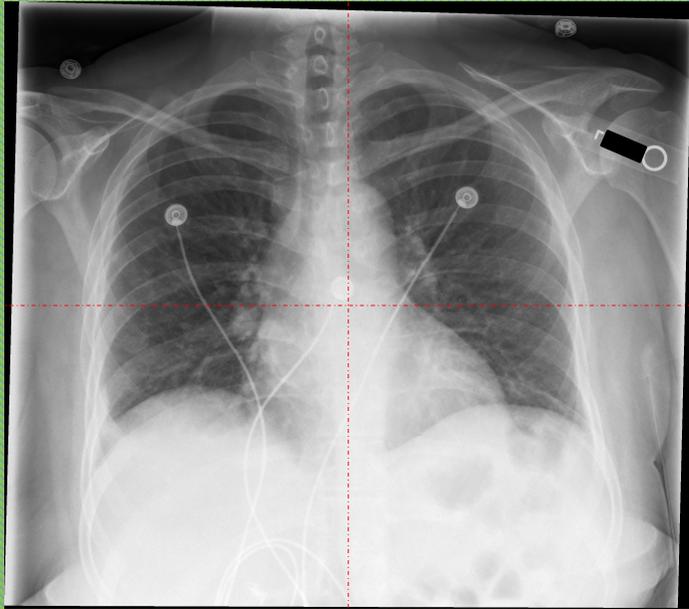
- Evidence of proper collimation and presence of side marker placed clear of anatomy of interest
- Entire lung fields from the apices to the costophrenic angles
- No rotation
 - Sternal ends of the clavicles equidistant from the vertebral column
 - Trachea visible in the middle
 - Equal distance from the vertebral column to the lateral border of the ribs on each side
- Proper anterior shoulder rotation demonstrated by scapulae projected outside the lung fields
- Proper inspiration demonstrated by ten posterior ribs visible above the diaphragm
- Sharp outlines of heart and diaphragm
- Faint shadows of the ribs and superior thoracic vertebrae visible through the heart shadow
- Pulmonary vascular markings from the hilar regions to the periphery of the lungs
- Lung markings visible from the hilum to the periphery of the lung

PA CXR



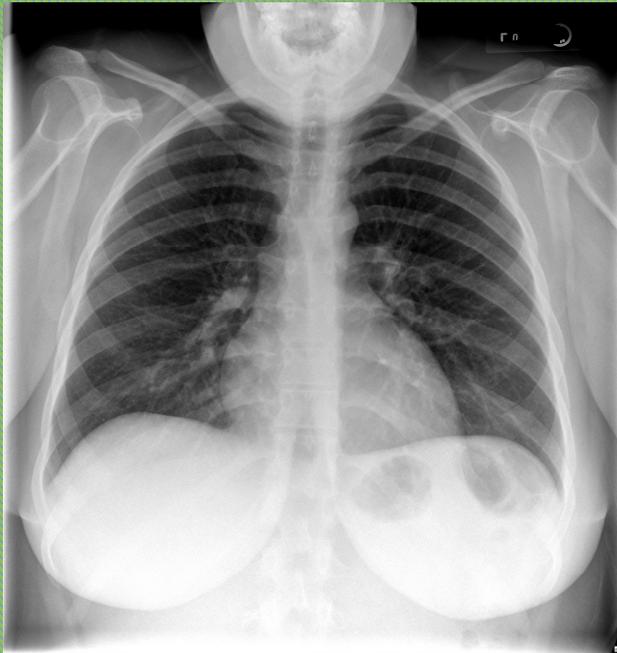
2

EI: 280



3

EI: 300



4

EI: 400



5

EI: 150



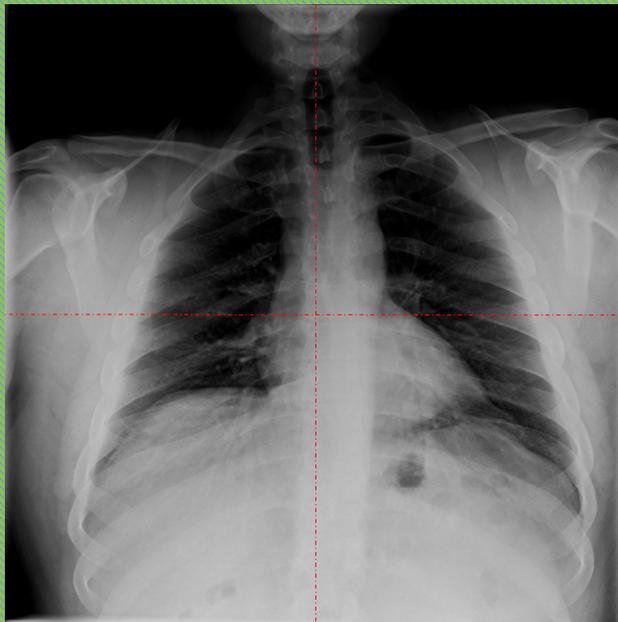
6

EI: 550



7

EI: 620



8

LEFT LATERAL CXR

- Evidence of proper collimation and presence of side marker placed clear of anatomy of interest
- Arm or its soft tissues not overlapping the superior lung field
- Costophrenic angles and the portions of the pulmonary apices not obscured by the arms and shoulders
- No rotation
 - Hilum in the approximate center of the radiograph
 - Superimposition of the ribs posterior to the vertebral column
 - Sternum in profile
 - Trachea visible in the midline
- Long axis of the lung fields demonstrated in vertical position, without forward or backward leaning
- Open thoracic intervertebral spaces and intervertebral foramina, except in patients with scoliosis
- Sharp outlines of heart and diaphragm
- Pulmonary vascular markings from the hilar region to the periphery of the lungs



9

EI: 298



10

EI: 240



11

EI: 338



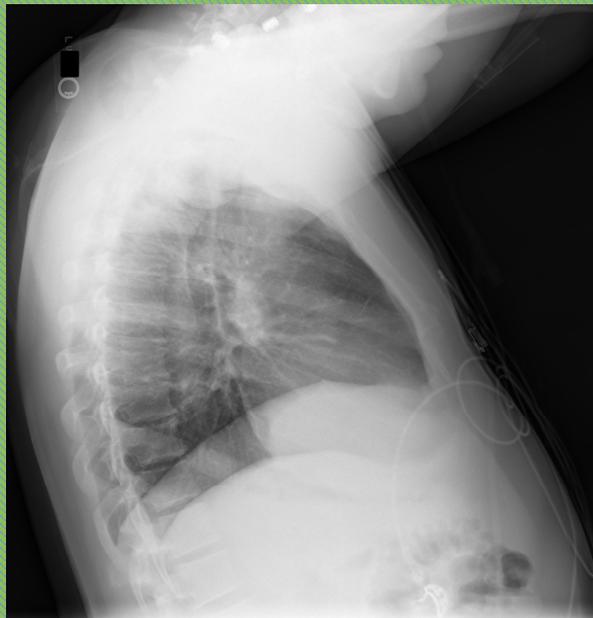
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EI: 160



13

EI: 160



14

EI: 423



15

**IF TIME ALLOWS ...
EXTRA IMAGES**

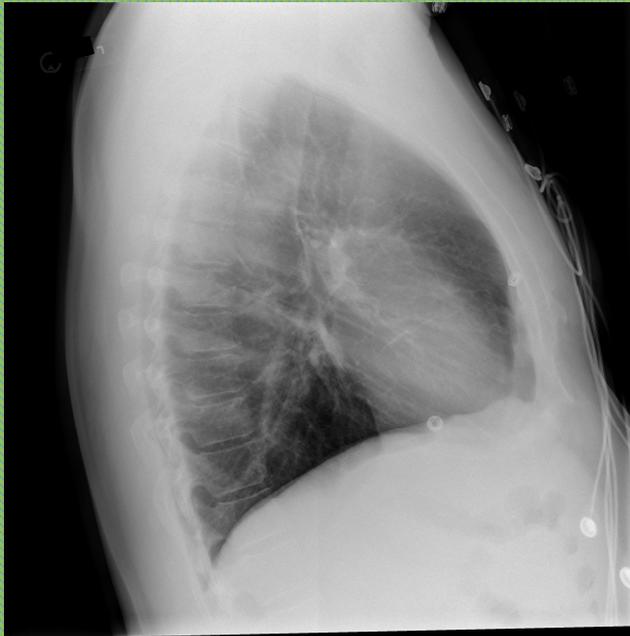
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EI: 280



17

EI: 276



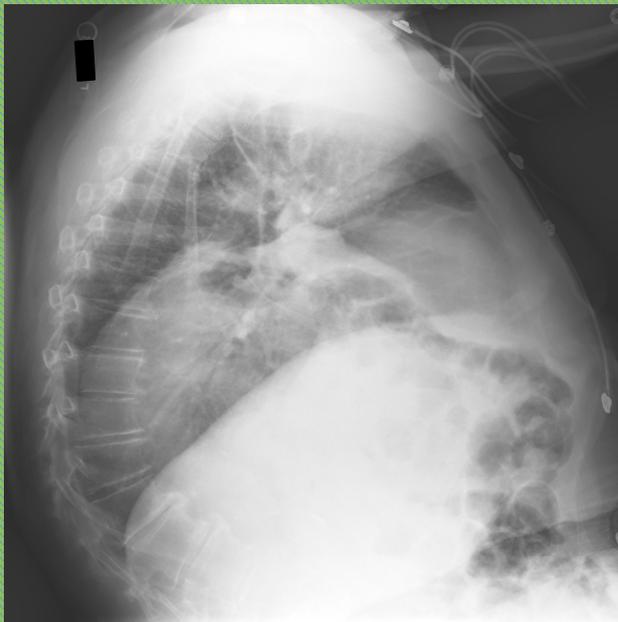
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EI: 168



19

EI: 285



20

EI: 112



21

EI: 248



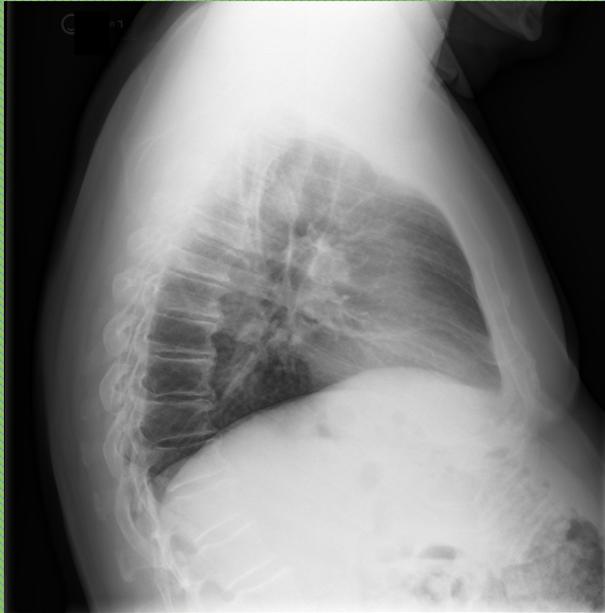
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EI: 321



23

EI: 239



24

EI: 185



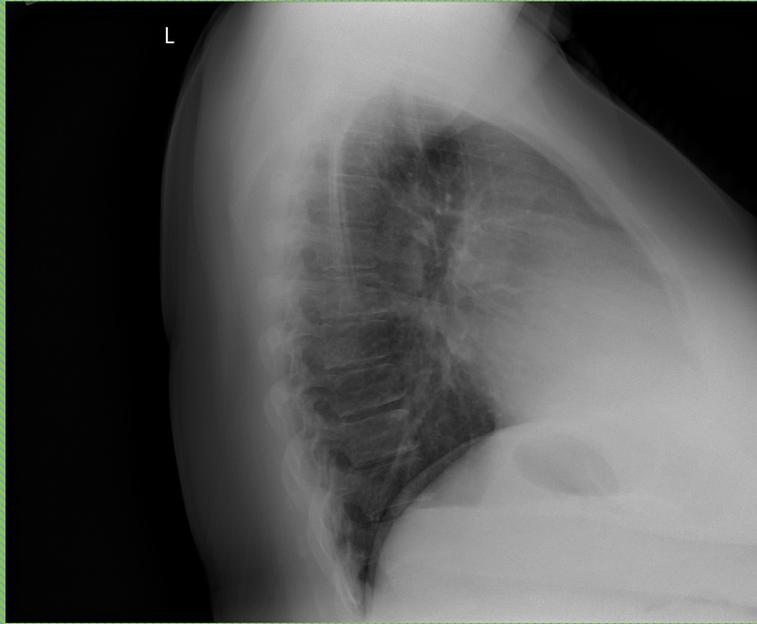
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EI: 258



26

EI: 163



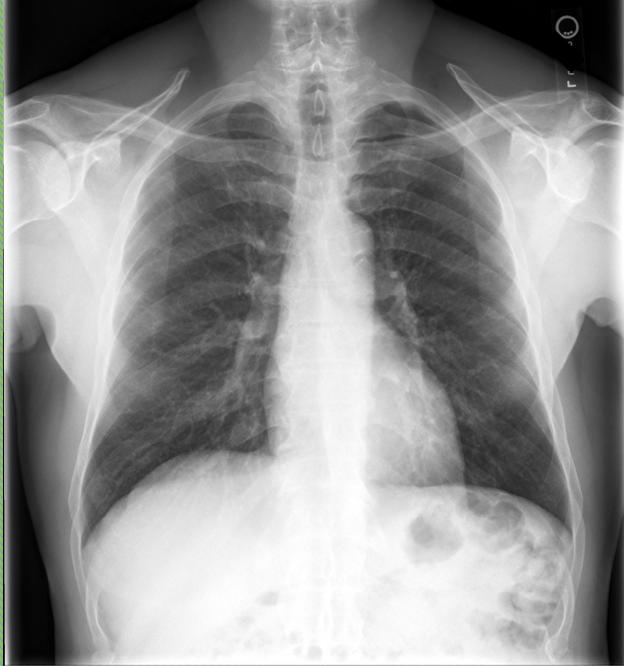
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EI: 400



28

EI: 381



29

EI: 125



30

EI: 224



31

EI: 223



32

EI: 321



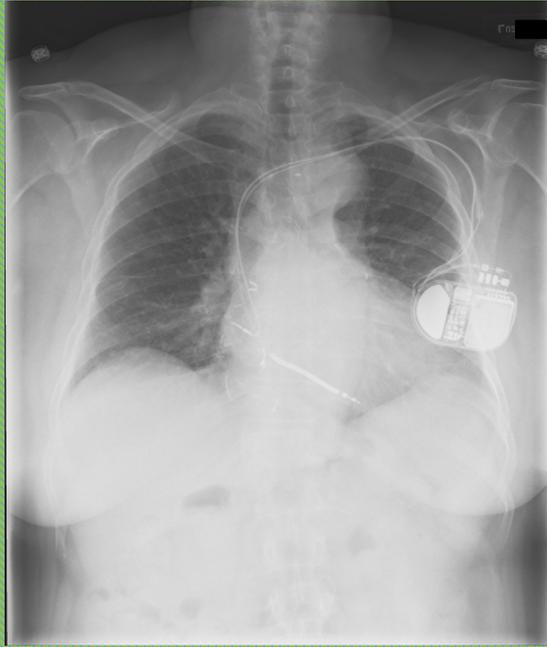
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EI: 142



34

EI: 220



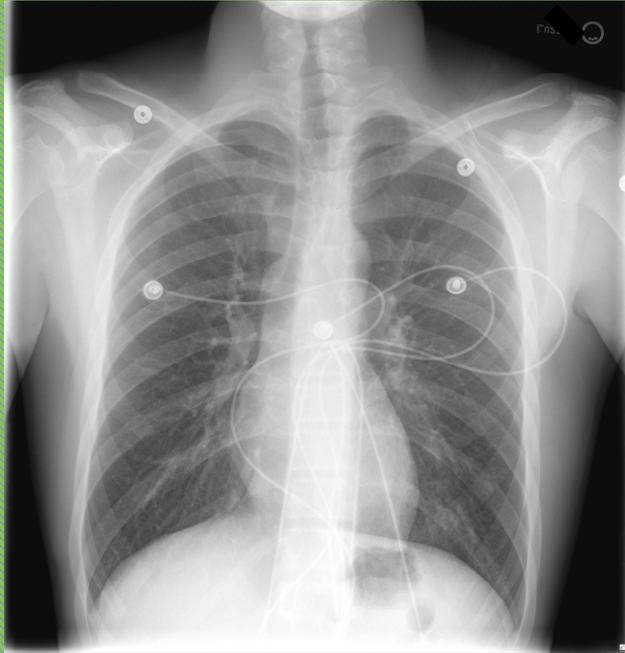
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EI: 285



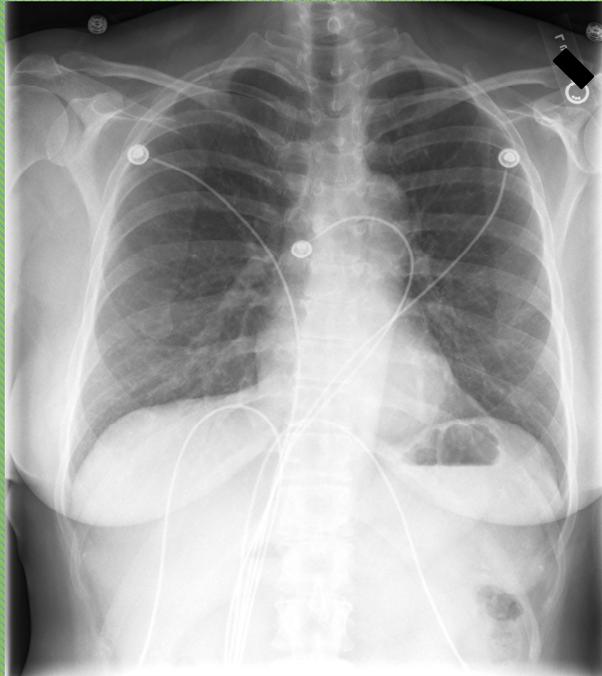
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EI: 198



37

EI: 230



38