

Reading Hospital School of Health Sciences Medical Imaging Program

MI123: Clinical Seminar I Routine Chest Image Critique

1

PA CXR

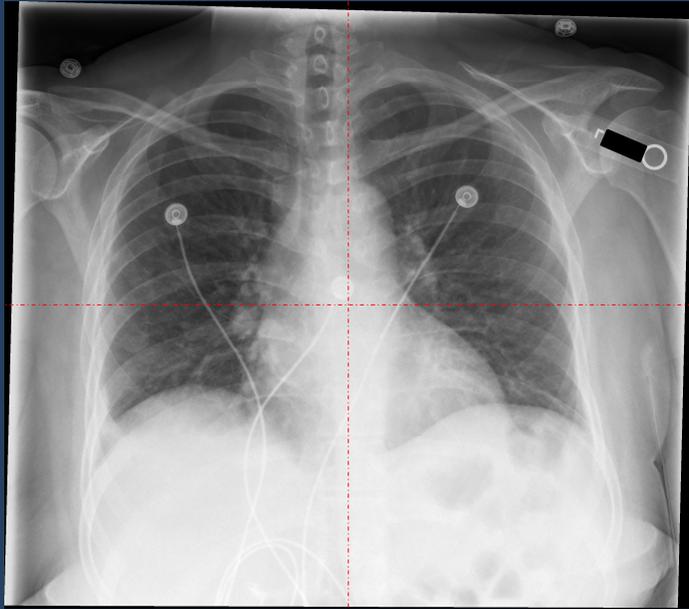
- Evidence of proper collimation and presence of side marker placed clear of anatomy of interest
- Entire lung fields from the apices to the costophrenic angles
- No rotation
 - Sternal ends of the clavicles equidistant from the vertebral column
 - Trachea visible in the middle
 - Equal distance from 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



2

1

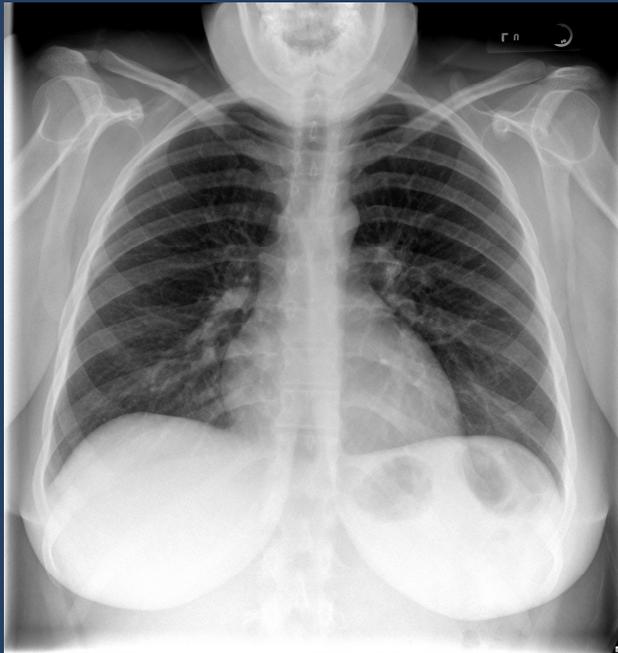
EI: 280



3

2

EI: 550



4

3

EI: 400



5

4

EI: 628



6

5

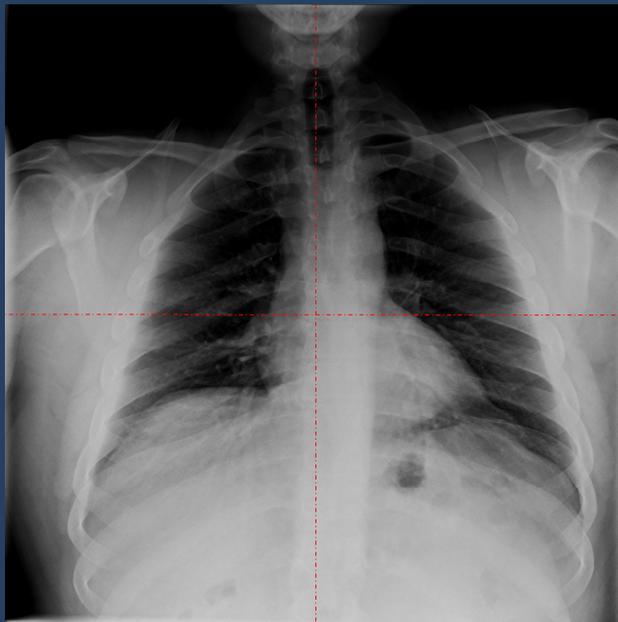
EI: 550



7

6

EI: 185



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

1

EI: 328



10

2

EI: 240



11

3

EI: 338



12

4

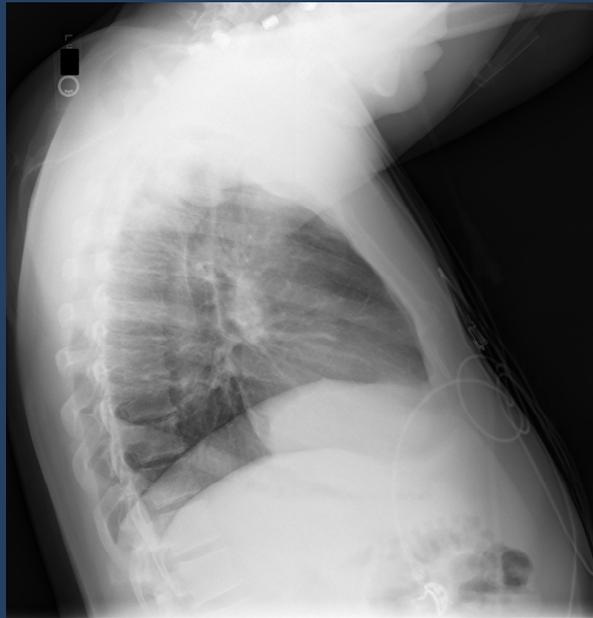
EI: 460



13

5

EI: 660



14

6

EI: 423



15