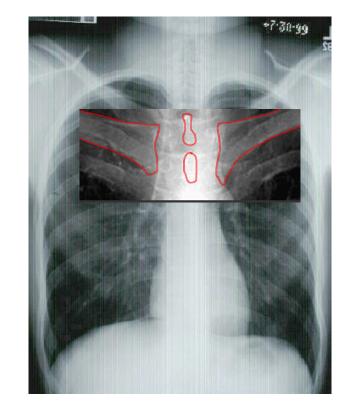
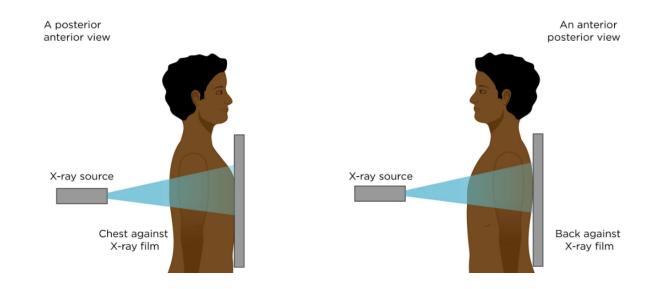
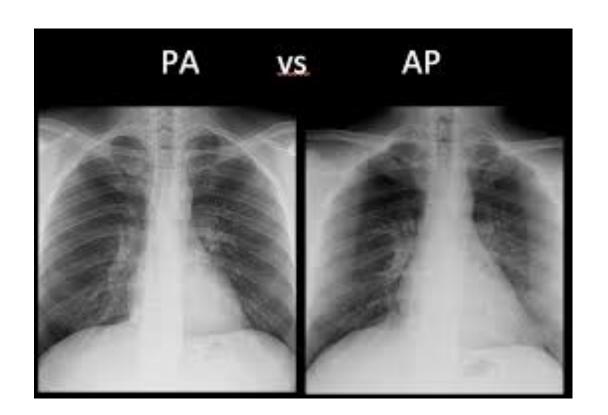
CXR

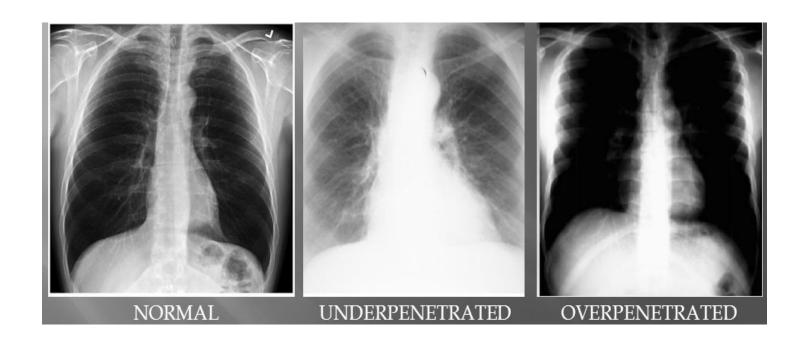


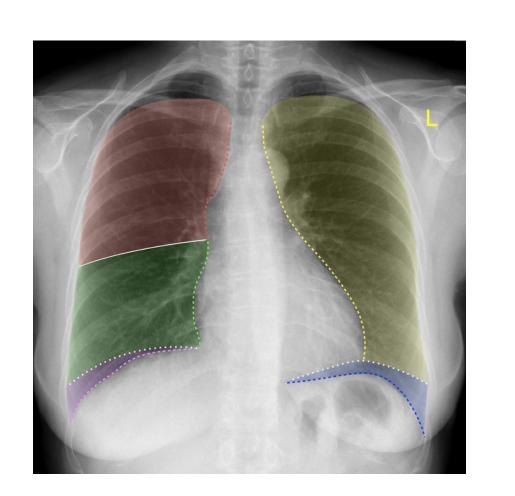
Patient positioning

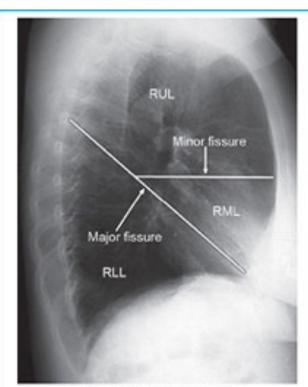




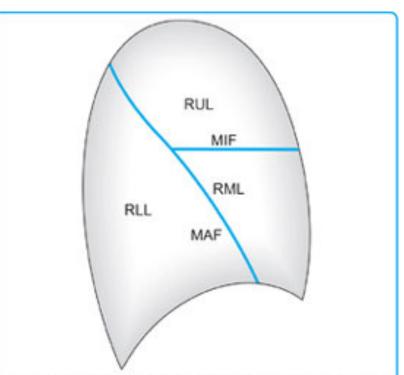
Penetration



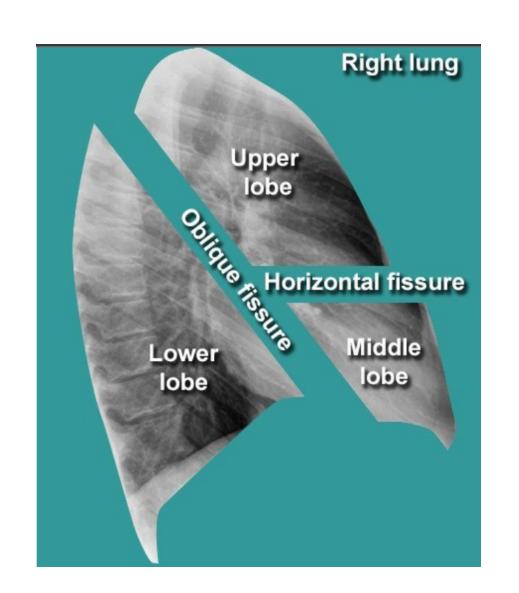


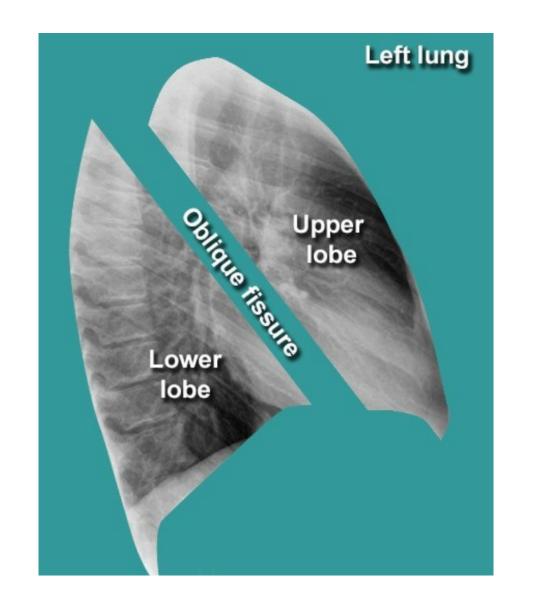


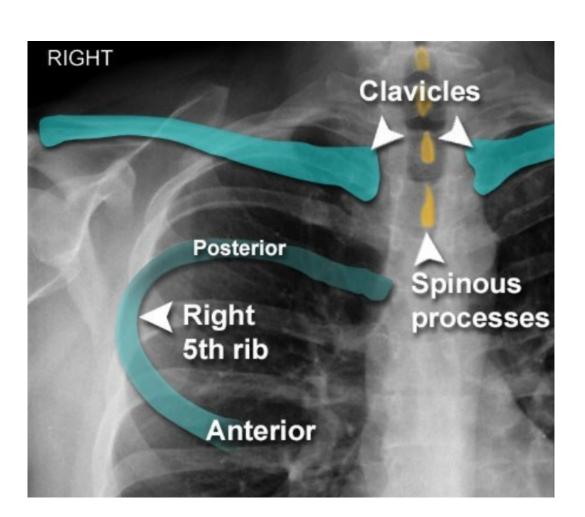
Normal lateral chest X-ray (MIF) Minor (horizontal) fissure (MAF) Major (oblique) fissure

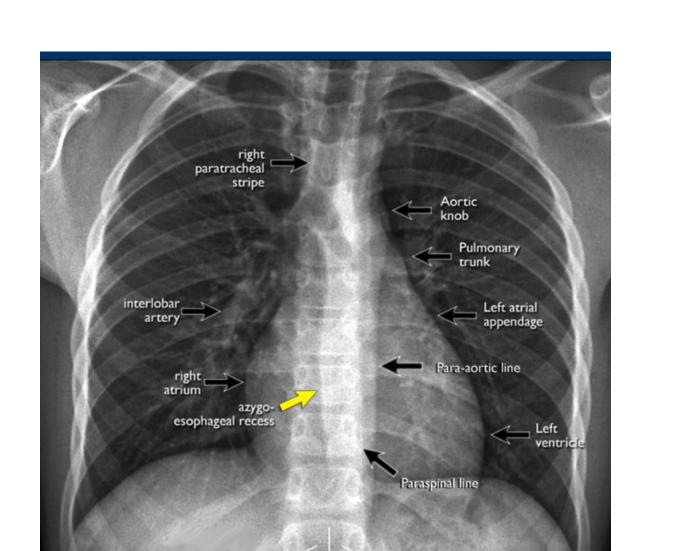


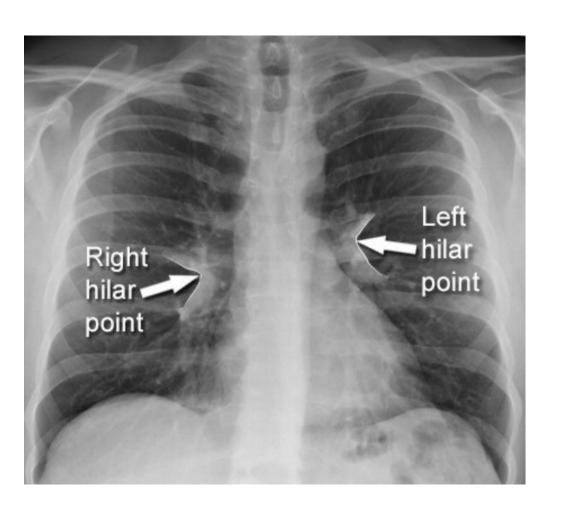
The horizontal fissure runs from the anterior wall of the lung to the hilum, horizontally, dividing the upper section of the right lung into an upper lobe and a middle lobe. On the PA film, only the horizontal fissure is visible running from the right hilum to the region of the sixth rib in the axillary line.

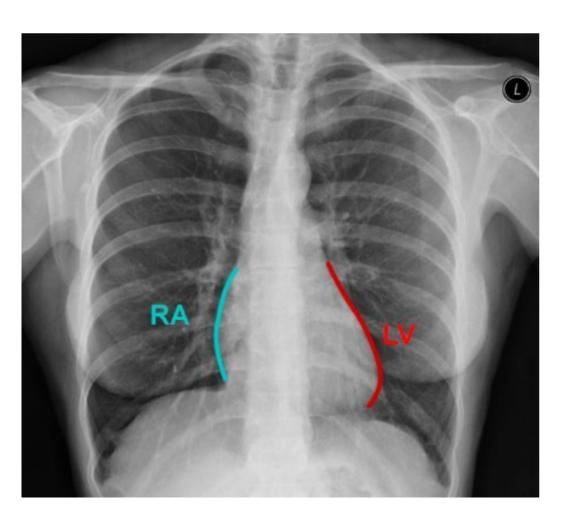


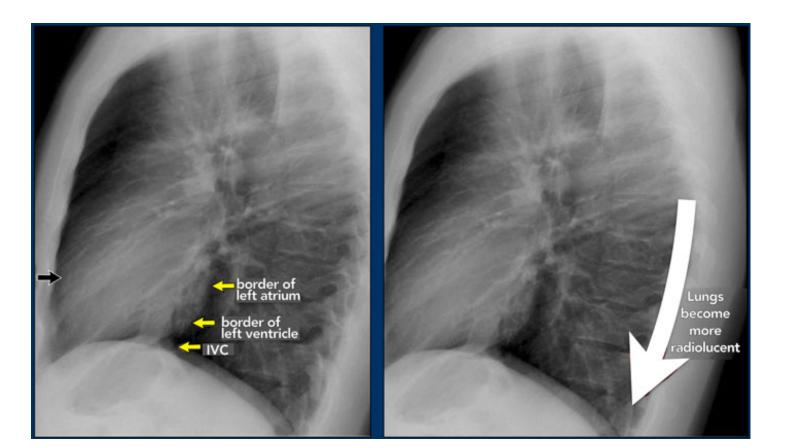


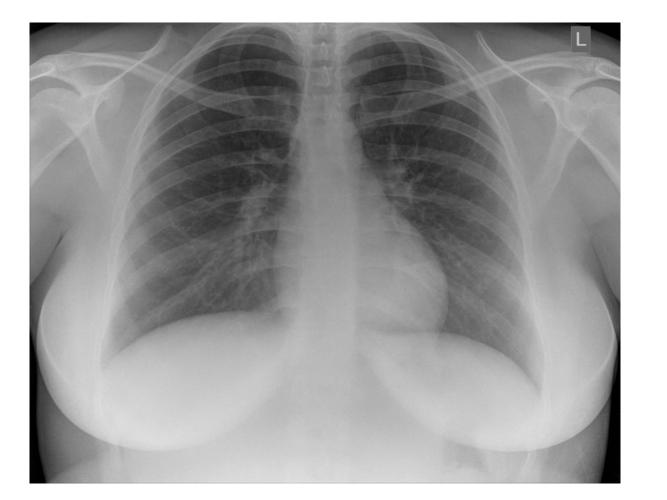










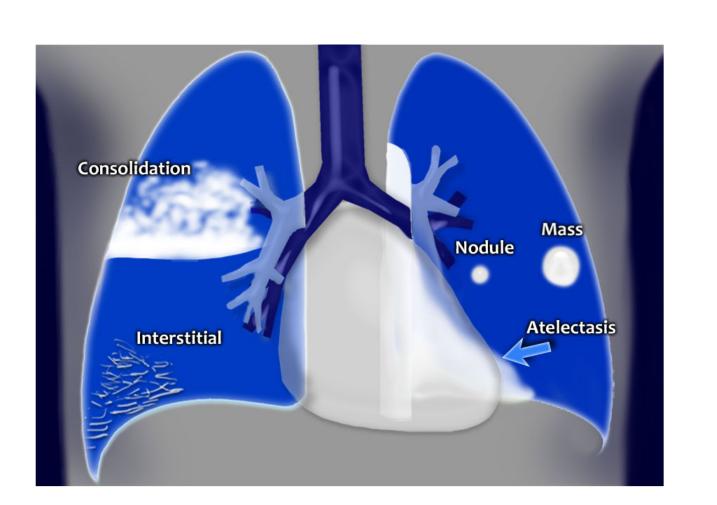


CXR- Lung disease

- On a chest x-ray lung abnormalities will either present as areas of increased density or as areas of decreased density.
- Lung abnormalities with an increased density also called opacities are the most common.
- Consolidation
- Interstitial
- 3. Nodules or masses
- 4. Atelectasis
- Lung abnormalities with decreased density:
- 5. Cavity lucency with a thick wall
- 6. Cyst lucency with a thin wall
- 7. Emphysema lucency without a visible wall

Opacities

- Consolidation any pathologic process that fills the alveoli with fluid, pus, blood, cells (including tumor cells) or other substances resulting in lobar, diffuse or multifocal ill-defined opacities.
- Interstitial involvement of the supporting tissue of the lung parenchyma resulting in fine or coarse reticular opacities or small nodules.
- Nodule or mass any space occupying lesion either solitary or multiple.
- Atelectasis collapse of a part of the lung due to a decrease in the amount of air in the alveoli resulting in volume loss and increased density.



Consolidation

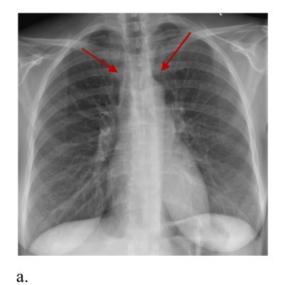
The key-findings on the X-ray are:

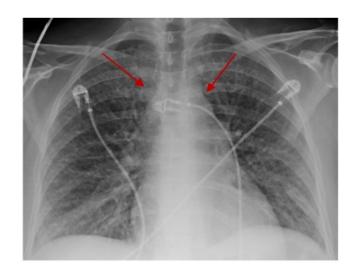
- III-defined homogeneous opacity obscuring vessels
- Silhouette sign: loss of lung/soft tissue interface
- Air-bronchogram
- Extention to the pleura or fissure, but not crossing it
- No volume loss
- No mediastinal shift.

Atelectasis

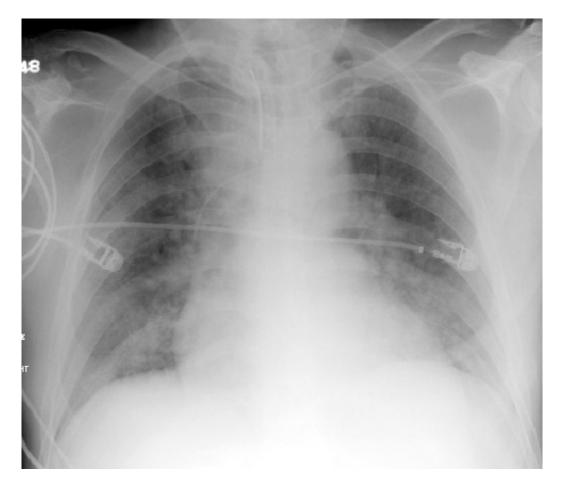
The key-findings on the X-ray are:

- Sharply-defined opacity obscuring vessels without air-bronchogram
- Volume loss resulting in displacement of diaphragm, fissures, hila or mediastinum

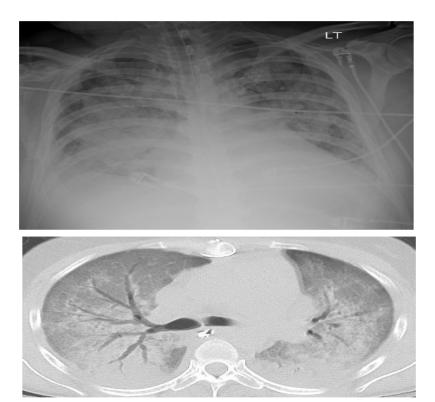


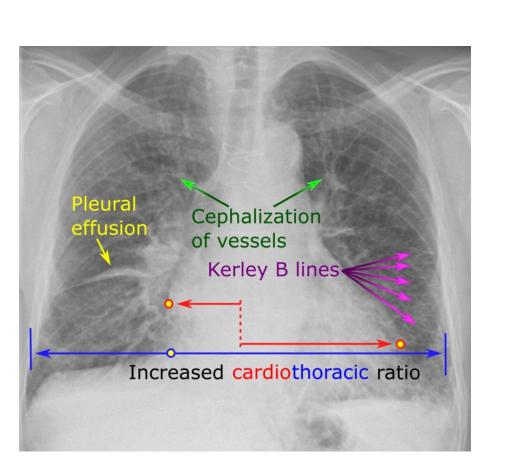


b.

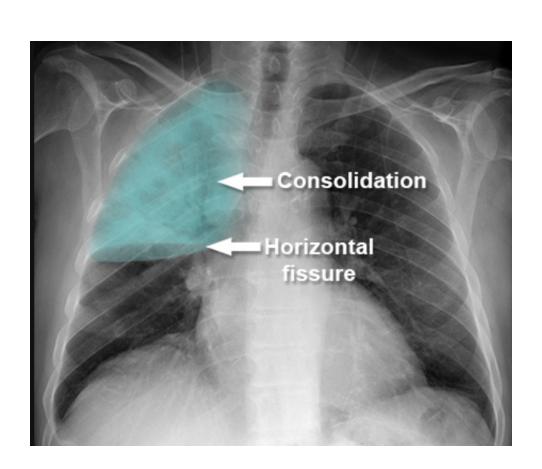


Same patient few days later

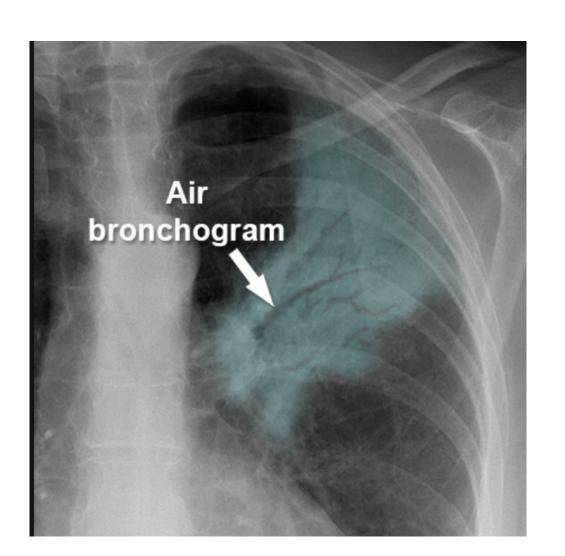




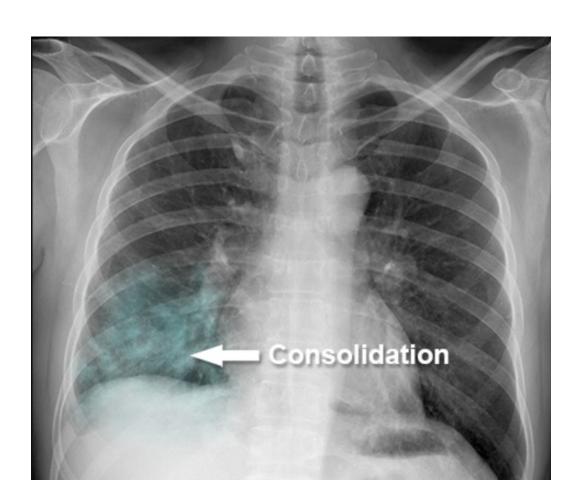




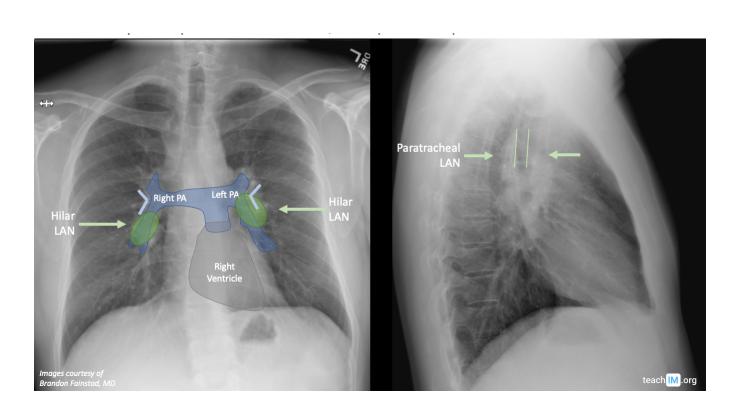


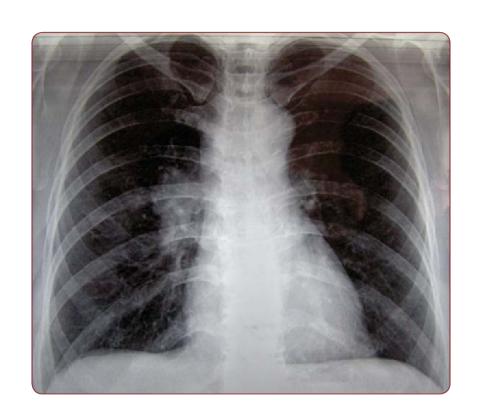










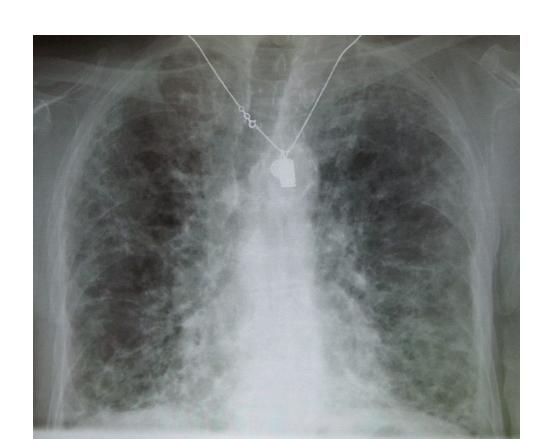




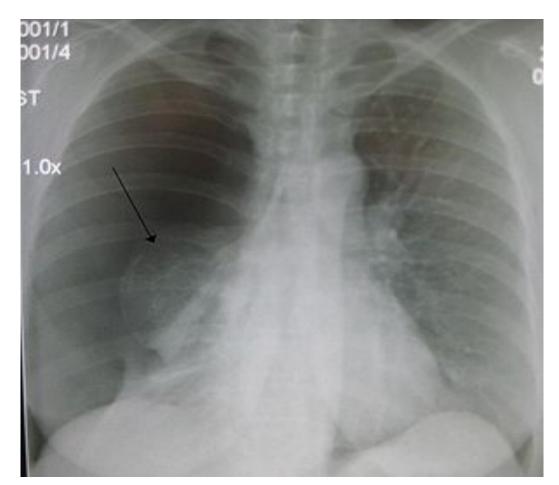


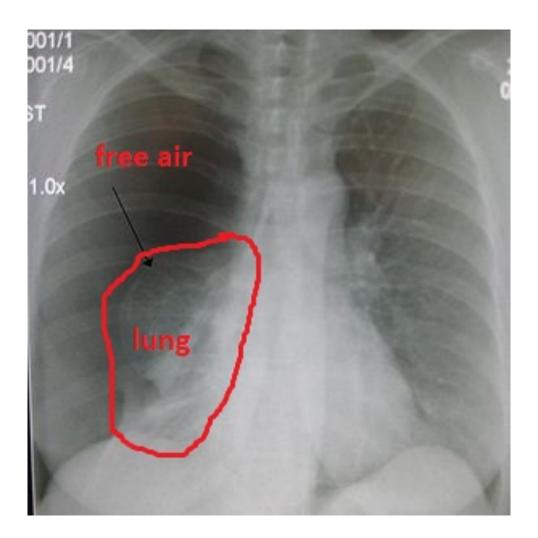












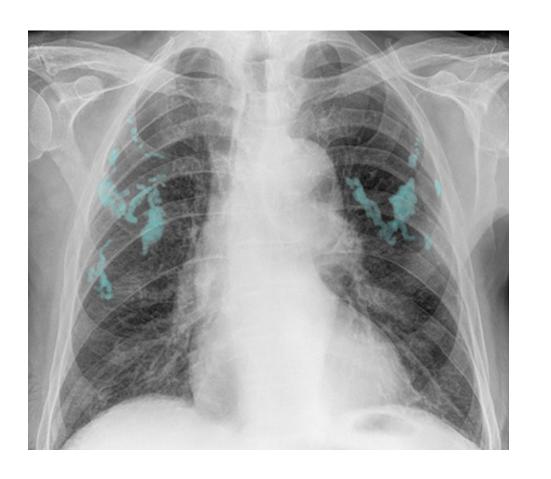


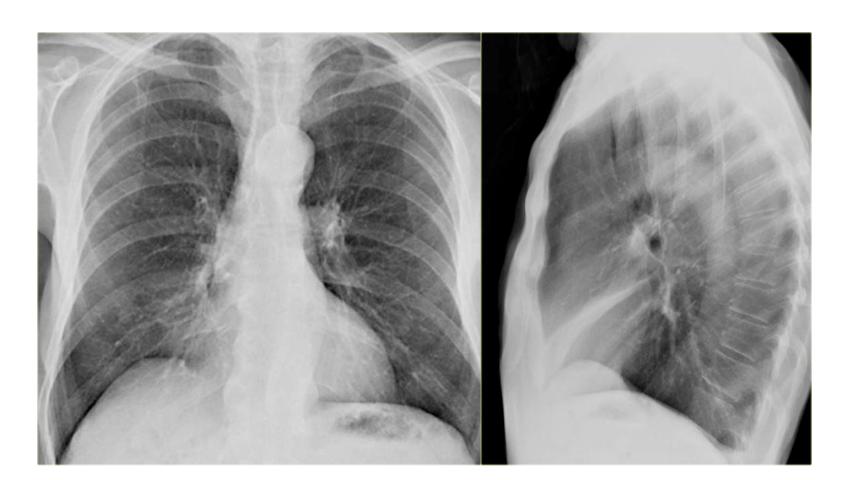


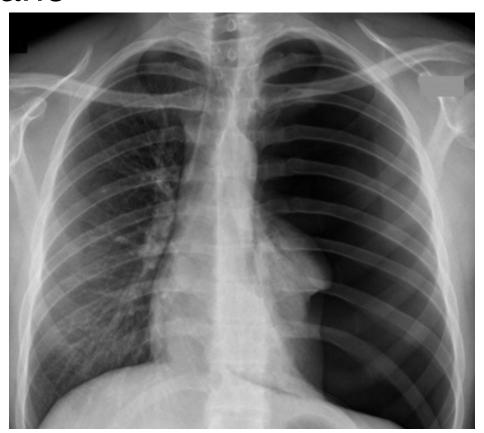


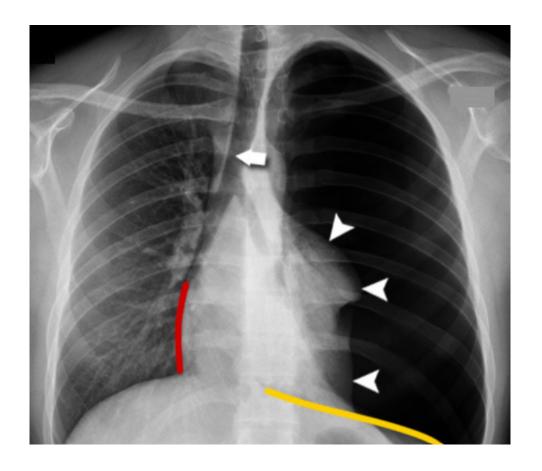


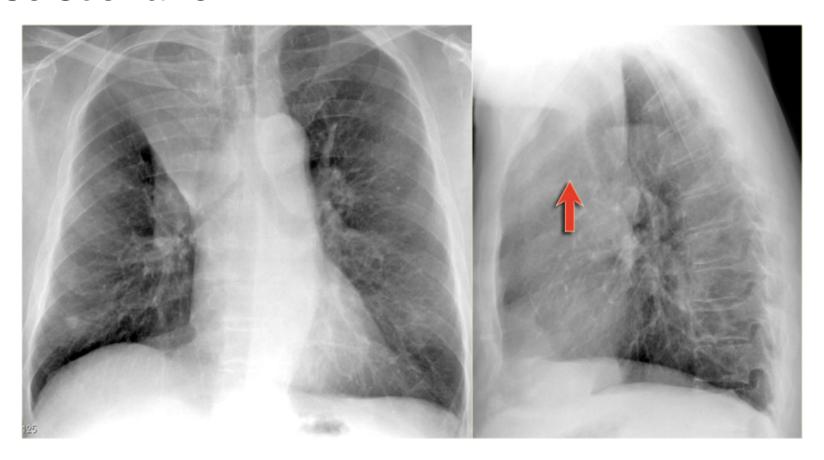




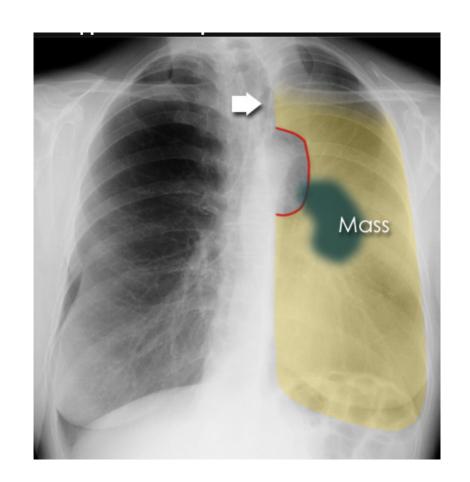












Diagnosis?

