Chest X-ray Path correlation

- Normal structures
- Densities
- Genesis of abnormal densities
- Localization
- Pathological correlation
- Steps in evaluation of CXR
Localization

- Lobar distribution
- Air bronchogram
- Silouhette sign
- Extra pleural sign
Extrapleural sign

Peripheral
Sharp inner
Indistinct outer
Concave angles

Air bronchogram
Pathological correlation

- Consolidation
- Cavitation
- Mass
- Atelectasis
- Pleural effusion
- Pneumothorax
- Pulmonary edema

Consolidation

Pneumonia
Air bronchogram
Lobar
No loss of volume
Consolidation

Hole
Wall
Lumen
Content
Cavity
Mass

Homogenous

Sharp margin

Atelectasis
Atelectasis

Loss of lung volume

Homogenous

Costophrenic angle

Meniscus

Pleural effusion
Pneumothorax

Air in pleura

Atelectatic lung

Hemithorax

Mediastinal shift

Pulmonary edema
Emphysema

Bullous emphysema
Interstitial fibrosis

Diffuse interstitial

Lines

Honeycombing

Nodules
## Steps in evaluation of CXR

- Identify abnormalities
- Localize
- Identify pathological process
- Probable etiology
- Tests to confirm

### Case 1

![Image of Case 1]

### Case 2

![Image of Case 2]