Chest X-ray Interpretation

Fb/Nurse-Info

Pleural Firosis

- Small right hemithorax
- Diffuse haziness
- Tracheal shift to right
- Blunted costophrenic angle
- Lines not corresponding to fissures

Tuberculosis

- LUL cavities
- RUL infiltrate
- Bilateral upper lobe disease

Tuberculosis

- LUL cavity
- Cavity behind clavicle - note increased density of clavicle in the region over lying cavity
- Pleural effusion on right

Fungal ball

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Miliary Tuberculosis

- Interstitial nodules
  - Uniform size
  - Sharper edges

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Pneumothorax

- No vascular markings on right
- No shift of mediastinum to left
- Deep sulcus
- Atelectatic right lung
- Increased haziness on left: Diversion of entire cardiac output
- Small fluid level near costophrenic angle: Hydro pneumothorax

Tension Pneumothorax

- No vascular markings on right
- Shift of mediastinum to left
- Deep sulcus
- Atelectatic right lung
- Increased haziness on left: Diversion of entire cardiac output

Hydropneumothorax

- Air in pleural cavity
- Lung margin visible
- Bilateral fluid level: Any time you see a horizontal fluid level, it means that there is air and fluid in the pleural space

Alveolar Cell Carcinoma

- Alveolar Cell Carcinoma / Solitary Pulmonary Nodule
- LUL anterior segment lesion
- Round with irregular margins
- Air bronchogram

Pancoast Tumour

- Right apical mass
- Cavitating mass
- Para tracheal nodes
- 2nd rib destruction
- Calcified nodes (silicosis)

Normal Chest X-ray

- L- Lung
- T- Trachea
- AK- Aortic Knob
- A- Ascending Aorta
- H- Heart
- R- Ribs
- P- Pulmonary Artery
- S- Spleen

Large Cell Cancer

- Large Cell Cancer
- Mass RUL

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Lung Mass

- Mass
- Round or oval
- Sharp margin
- Homogenous
- No respect for anatomy
- Lung Cancer: Large cell
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Lung Abscess

- Bilateral
- Multiple
- Fluid level

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Lung Abscess

- Anterior segment of LUL
- Atypical location for aspiration lung abscess
- Thick wall
- Fluid level

Pulmonary Edema

- Bilateral
- Diffuse
- Butterfly pattern
- Soft fluffy lesions
- Coalescing
- Air bronchogram

Emphysema

- Hyperinflation
- Hyperlucency
- Low set flat diaphragm
- Vertical heart
- Pre and infra cardiac lungs
- Barrel shape
- Emphysema
- Avascular zones
- Cephalization of upper lung fields is not evident
- Predominant basal involvement (not evident)

Consolidation

- Density in left lower lung field
- Loss of left heart silhouette
- Diaphragmatic silhouette intact
- No shift of mediastinum
- Blunting of costophrenic angle

Consolidation

- Density in right upper lung field
- Lobar density
- Loss of ascending aorta silhouette
- No shift of mediastinum
- Transverse fissure not significantly shifted
- Air bronchogram

Pleural Effusion

- Homogenous density
- Meniscus maximum in axilla
- Loss of cardiophrenic angle
- Loss of diaphragmatic and right cardiac silhouette

Massive Pleural Effusion

- Massive
- Shift of mediastinum

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Loculated Pleural Effusion

- Homogenous density
- Loculated
- Loss of cardio-phrenic angle
- Loss of lateral portion of diaphragmatic silh ouette

Atelectasis Right Lung

- Homogenous density right hemithorax
- Mediastinal shift to right
- Right hemithorax smaller
- Right heart and diaphragmatic silhouette are not identifiable

Left Lower Lobe Atelectasis

- Inhomogeneous cardiac density
- Left hilum pulled down
- Non-visualization of left diaphragm
- Triangular retrocardiac atelectatic LLL

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