Silhouette Sign

Frontal X-ray Signs of Lobar Consolidation

- **RUL** – loss of upper right mediastinal border
- **RML** – loss of right heart border
- **RLL** – loss of right hemidiaphragm
- **LUL** – loss of upper left mediastinal border
- **LINGULA** – loss of left heart border
- **LLL** – loss of left hemidiaphragm
Frontal X-ray Signs of Lobar Consolidation

• **SILHOUETTE SIGN** – for localizing lesion from frontal chest film. Intra-thoracic air space occupying lesions touching a soft tissue structure will obliterate the air soft tissue interface.

• Examples include:
  – Atelectasis
  – Pneumonia
  – Neoplasm

RLL Pneumonia

• Density at the right lateral diaphragm
• Obliteration of lateral diaphragm border
RLL Pneumonia

- Density at the mid diaphragm
- Sharp margination at the major fissure (arrows)

Right Middle Lobe Pneumonia
LUL Lingular Pneumonia

- Obliterated left cardiac border

LUL Lingular Pneumonia Lateral

- Consolidation anterior to the major fissure
- Compare to PA exam
LLL
Pneumonia

- Air space disease left lower lobe
- Density behind heart
- Obliteration of left diaphragm at edge of heart
- Left heart border preserved

LLL
Pneumonia

- Note obliteration of the posterior portion of the left diaphragm (arrows)
- Right diaphragm clearly seen