

# Imaging to remember for 1<sup>st</sup> gr. Residents

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# @ ER

- **To have knowledge of diseases**
  - Pneumothorax
  - Rib fracture
  - Hemothorax
  - Esophageal rupture
  - Tracheal...
- **Try to know anything from patients**
  - Age, sex, site,
  - symptoms,
  - risk factors,
  - accident mechanism
- **To confirm everything with image**

# @ ICU & Ward

- **To know operation, complications**
  - How to approach
  - Extent of operation
- **Not to ignore pt's complaints**
- **To ask frequently to operator**

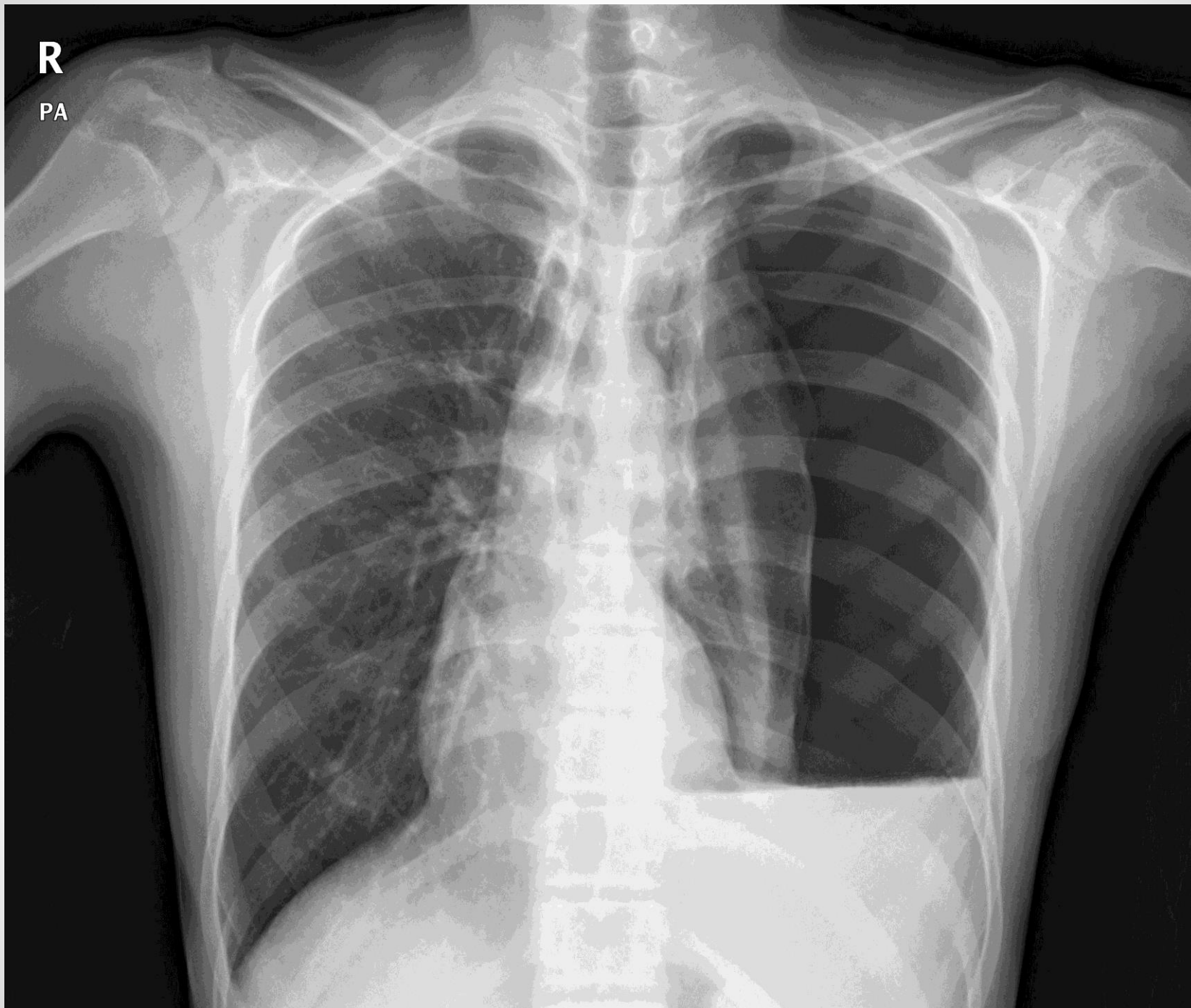
# Air in Chest PA

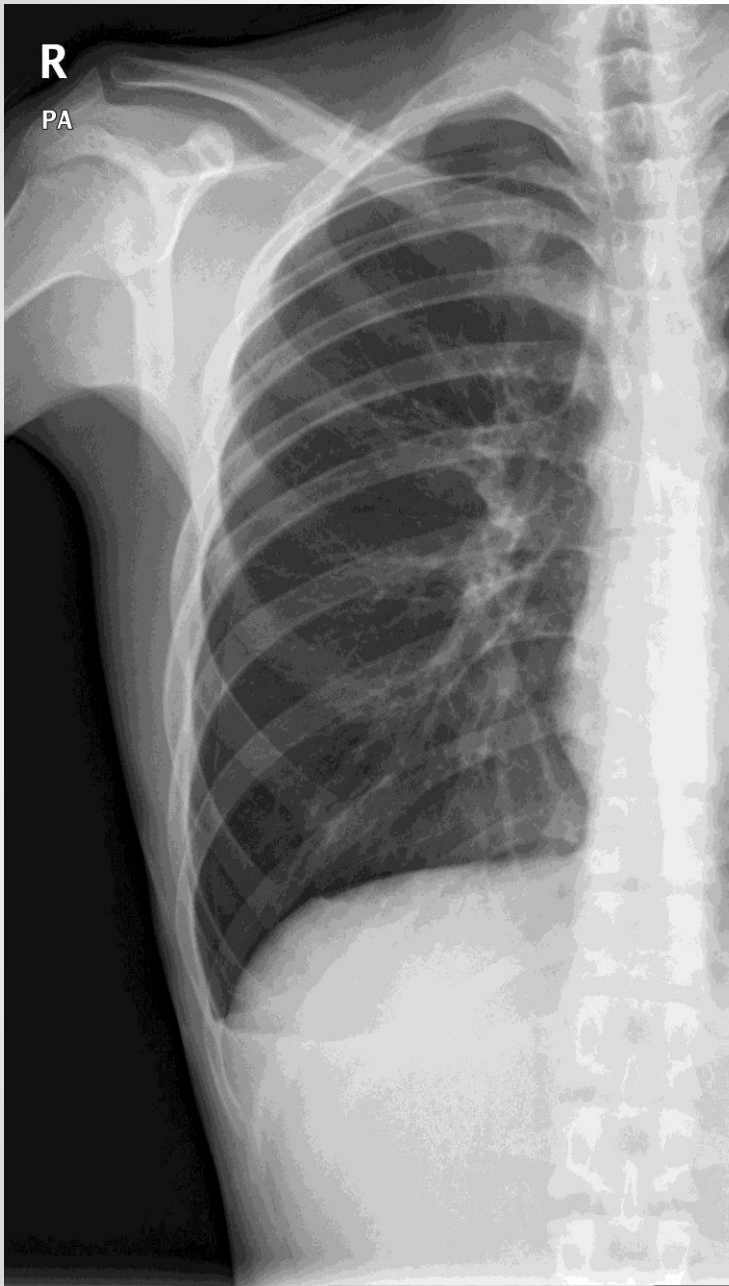
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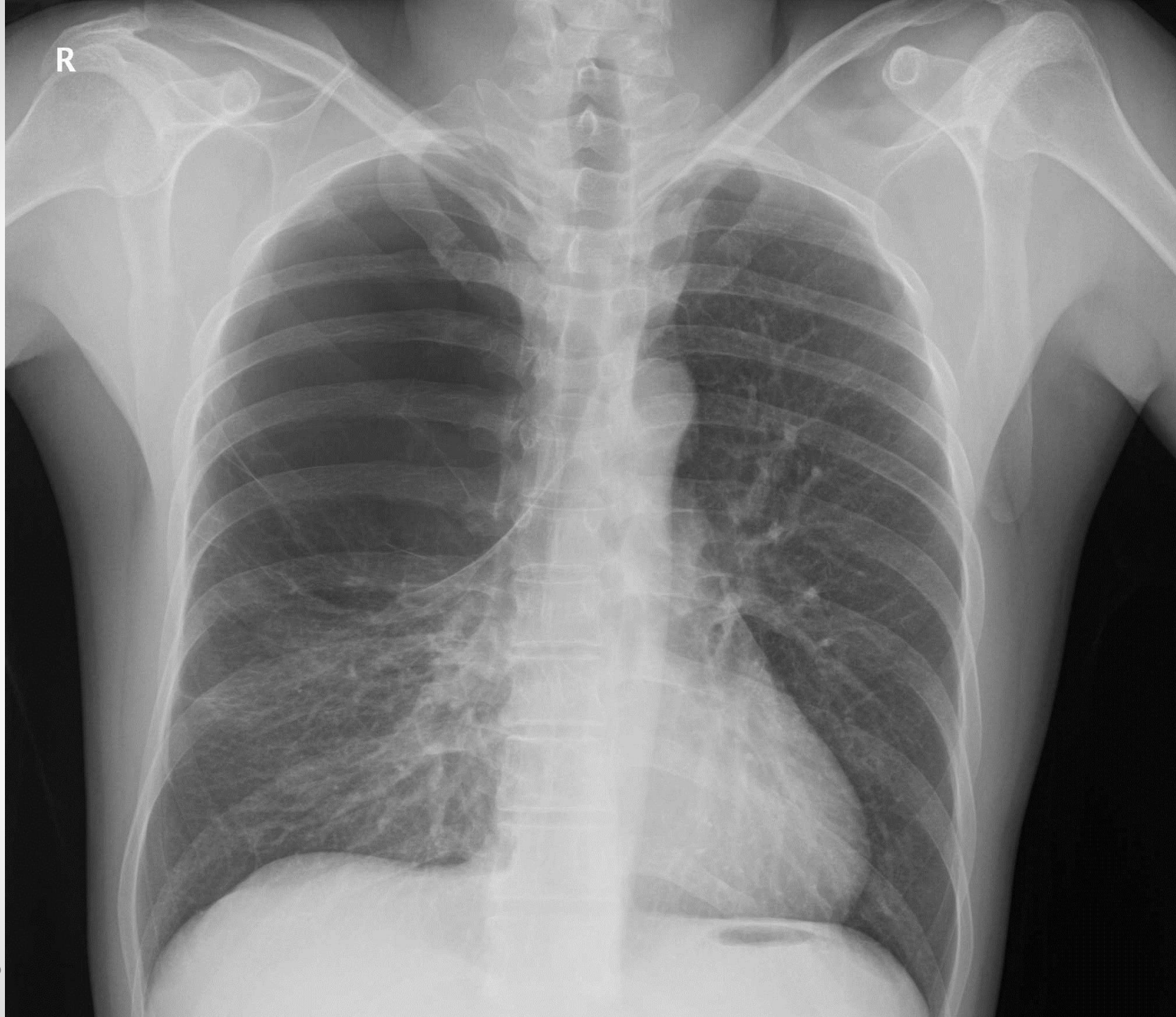


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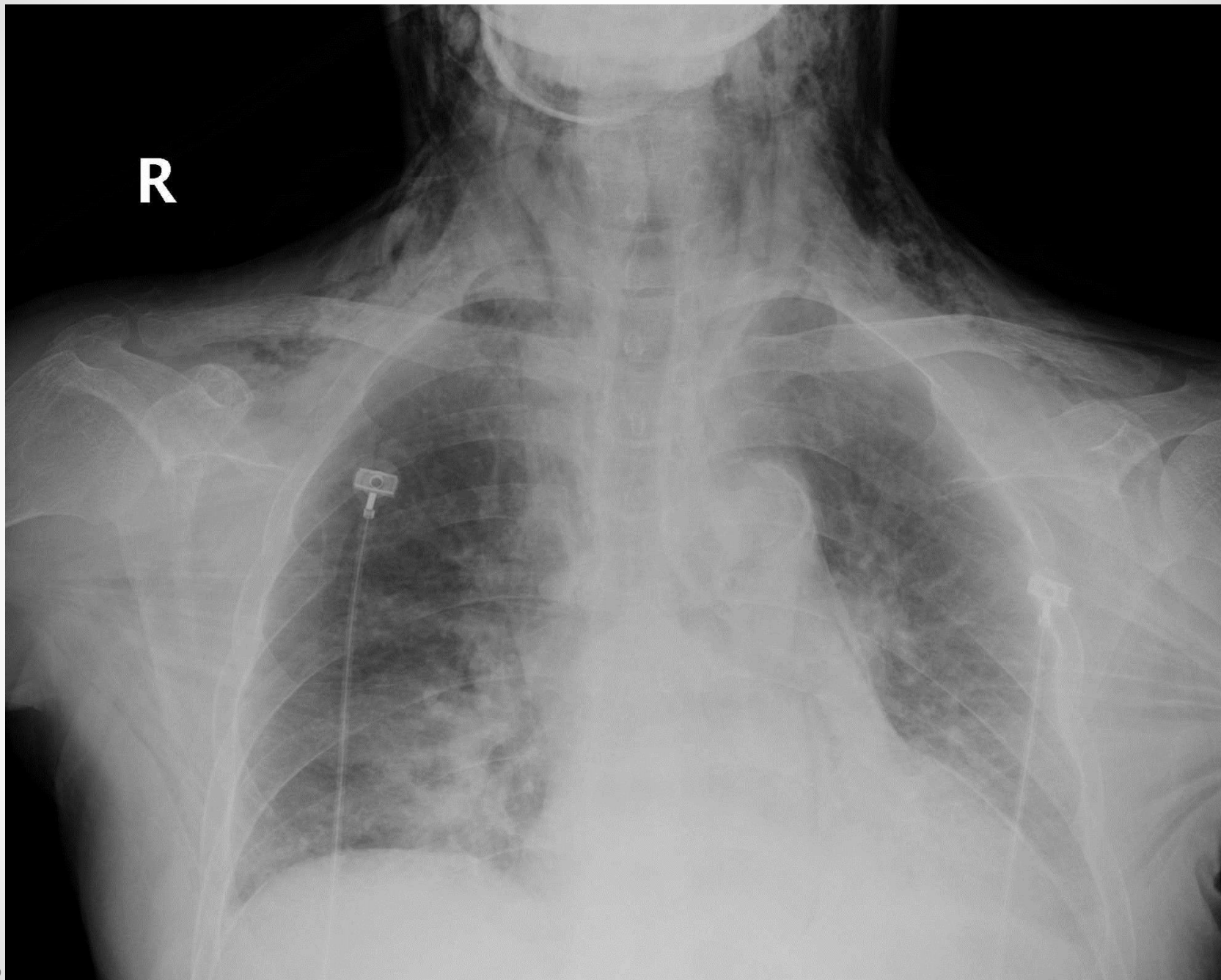


# Pneumothorax

## Giant bulla

- Pneumothorax
  - O2 therapy
  - **Chest tube**
  - Operation
- Combined hemothorax
  - Negative pressure
  - Operation

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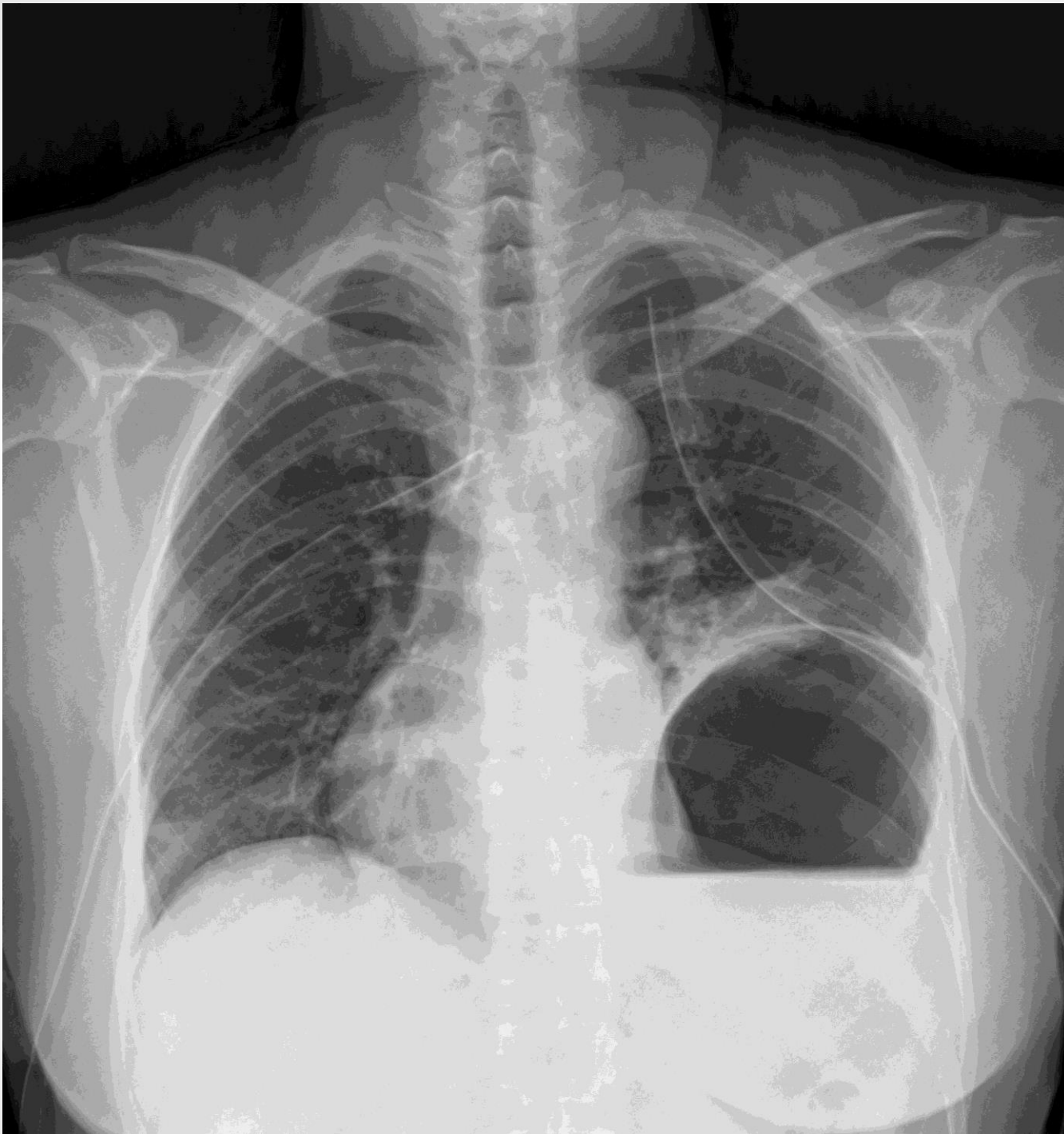




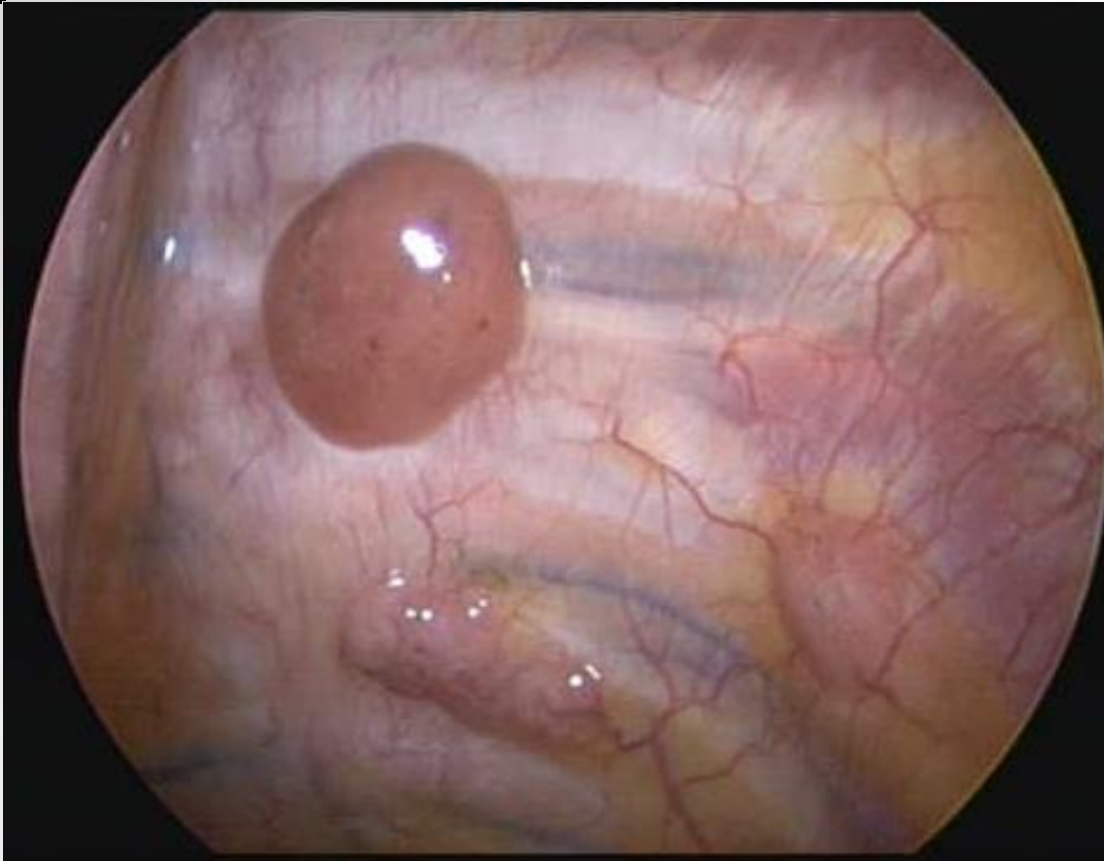
# Subcutaneous emphysema

## Mediastinal emphysema

- Primary spontaneous pneumothorax
- Tracheal injury
- Esophageal injury
- **Collar incision, blow hole**



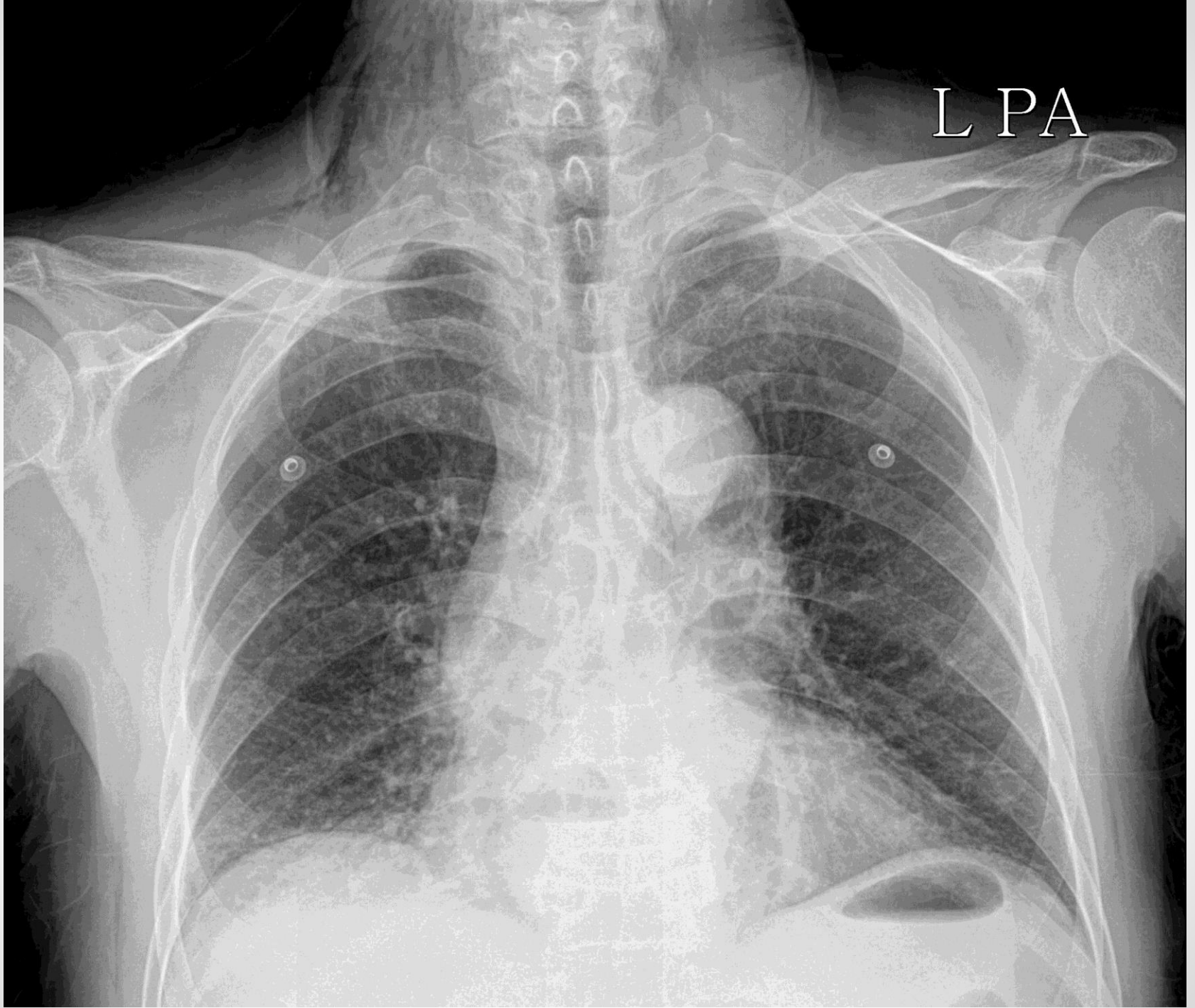




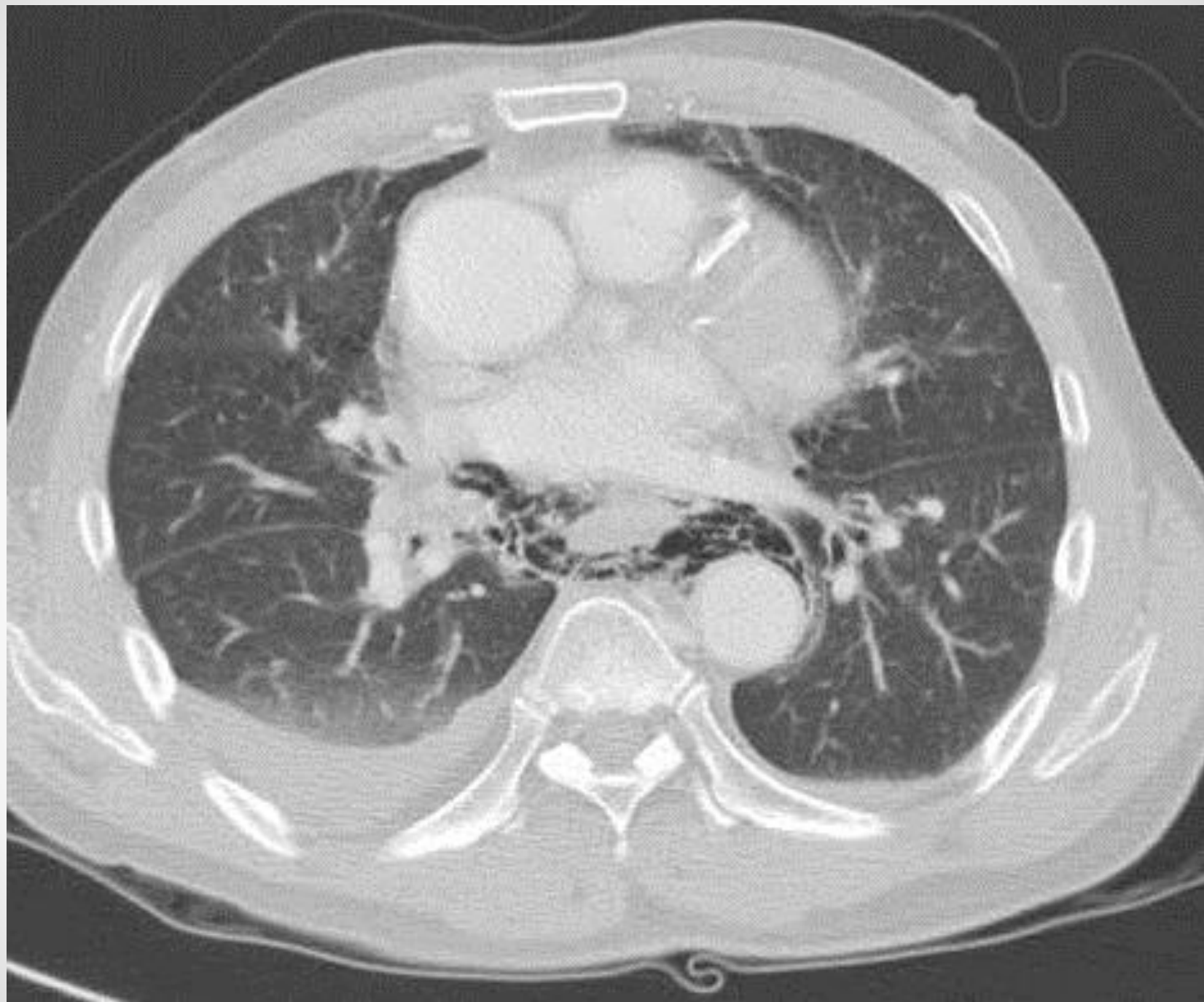
# Diaphragmatic rupture

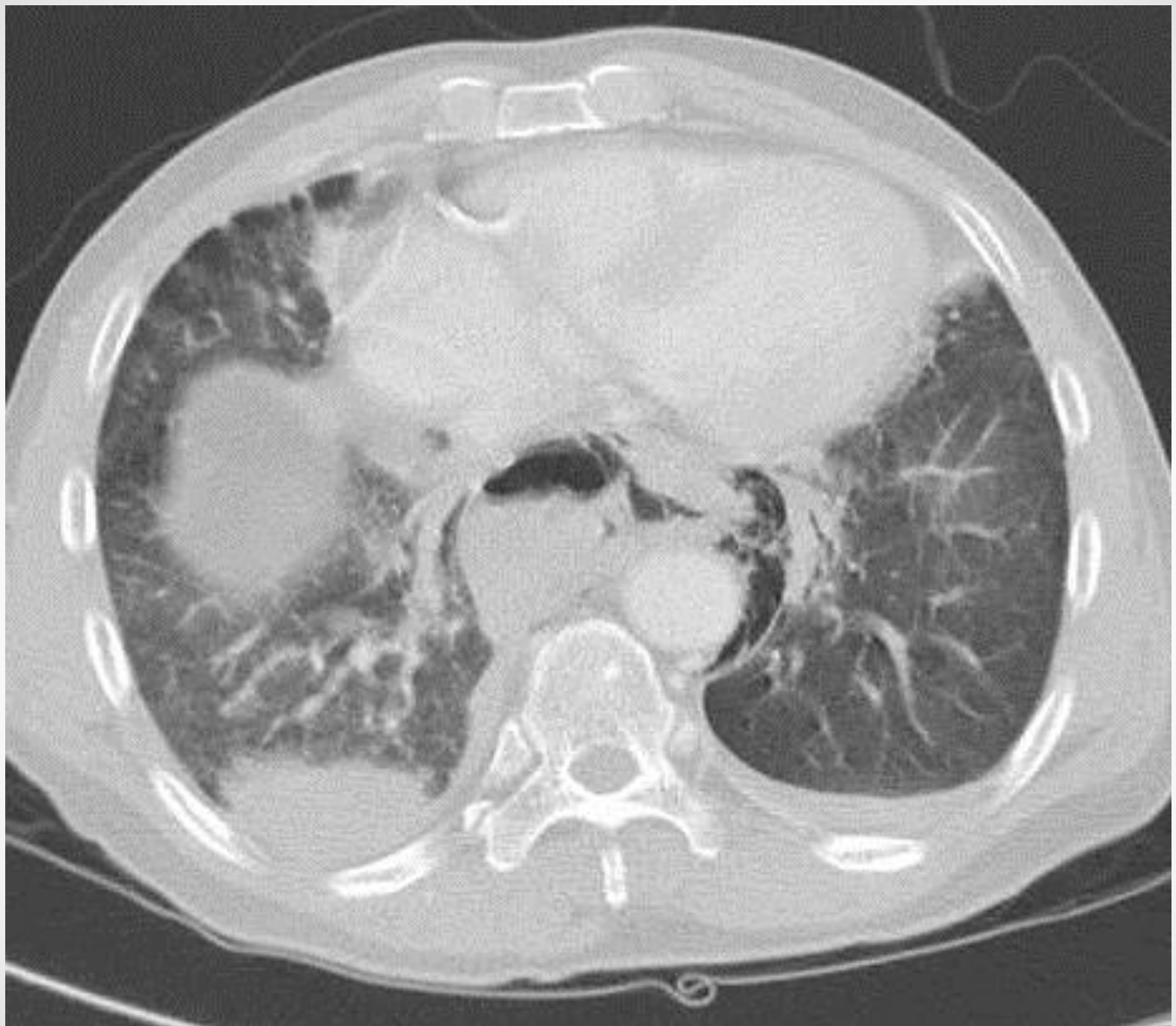
- Diaphragmatic eventration
- Phrenic nerve palsy

L PA

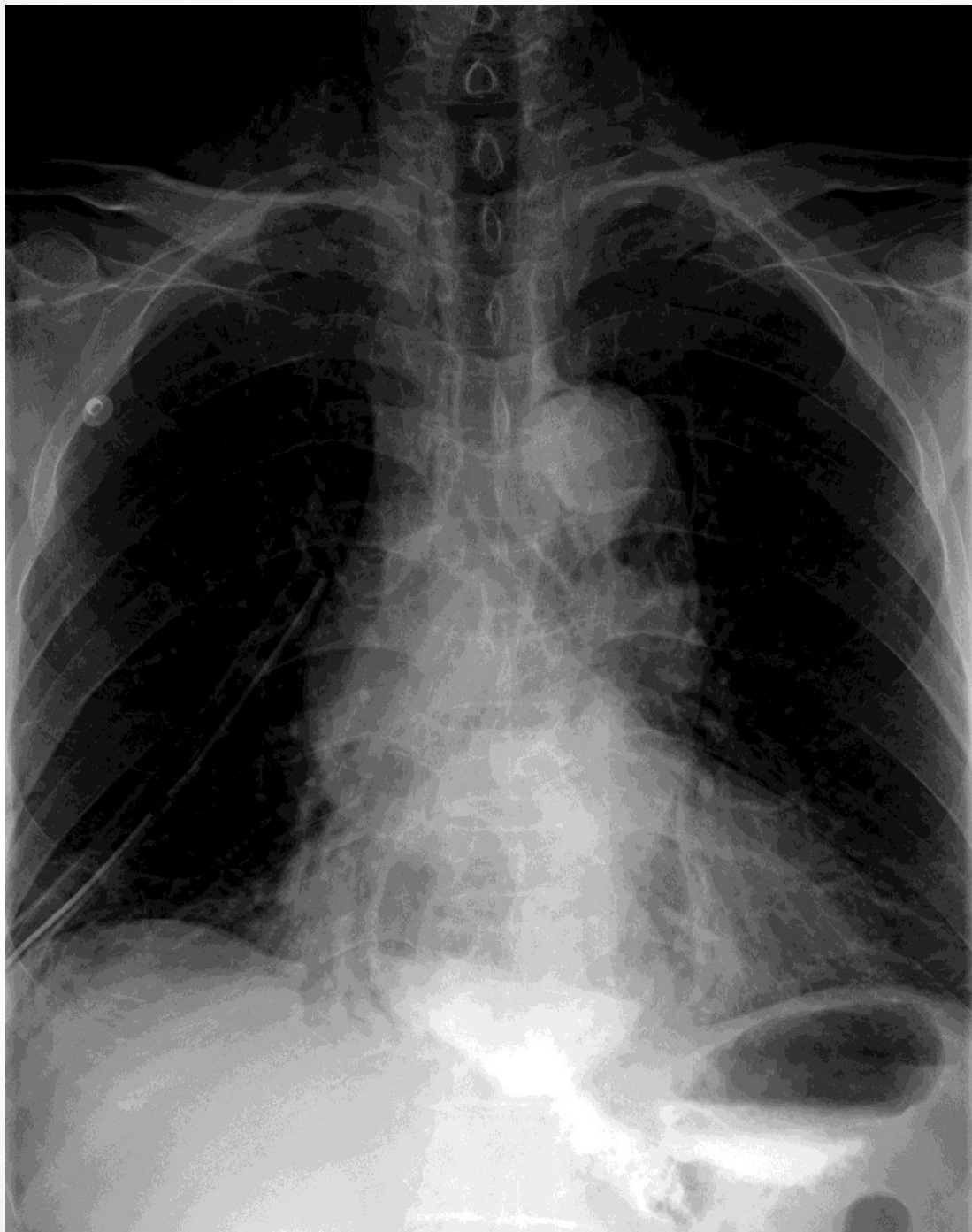


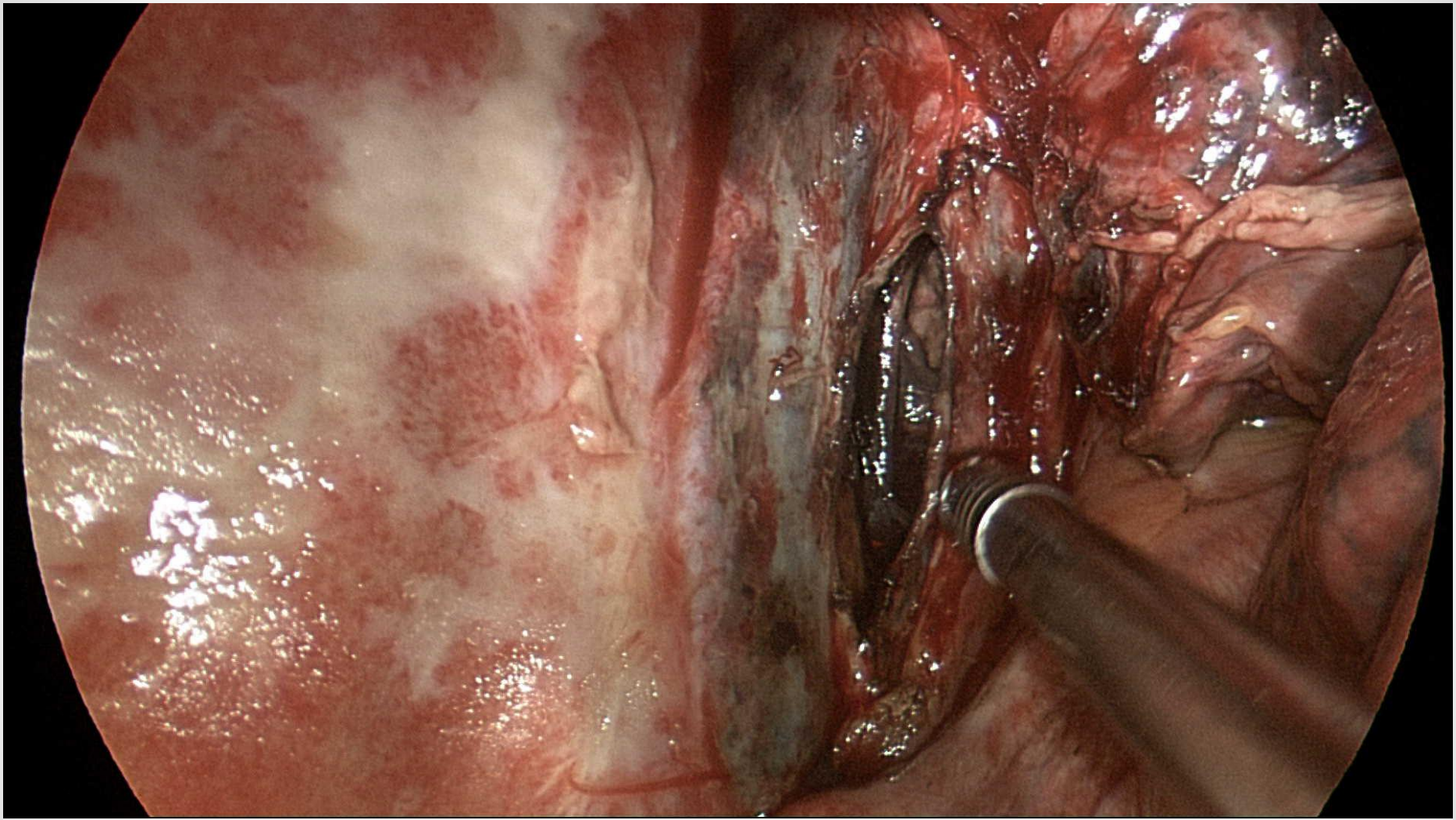






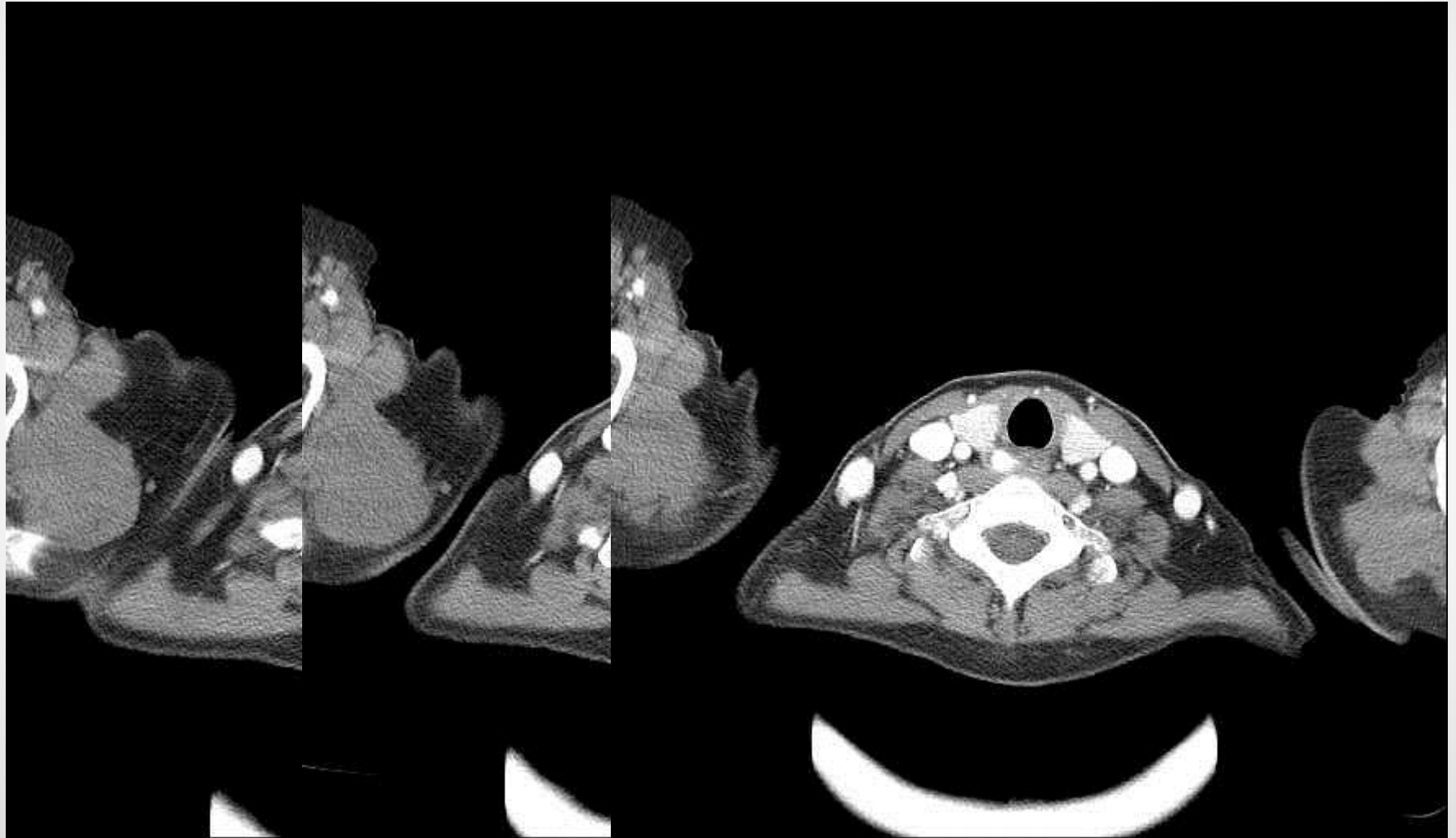






# Esophageal rupture

- Non contrast CT followed by gastrografin swallowing
- DDx.
  - Esophageal laceration
  - Esophageal intramural dissection
  - Esophageal intramural hematoma



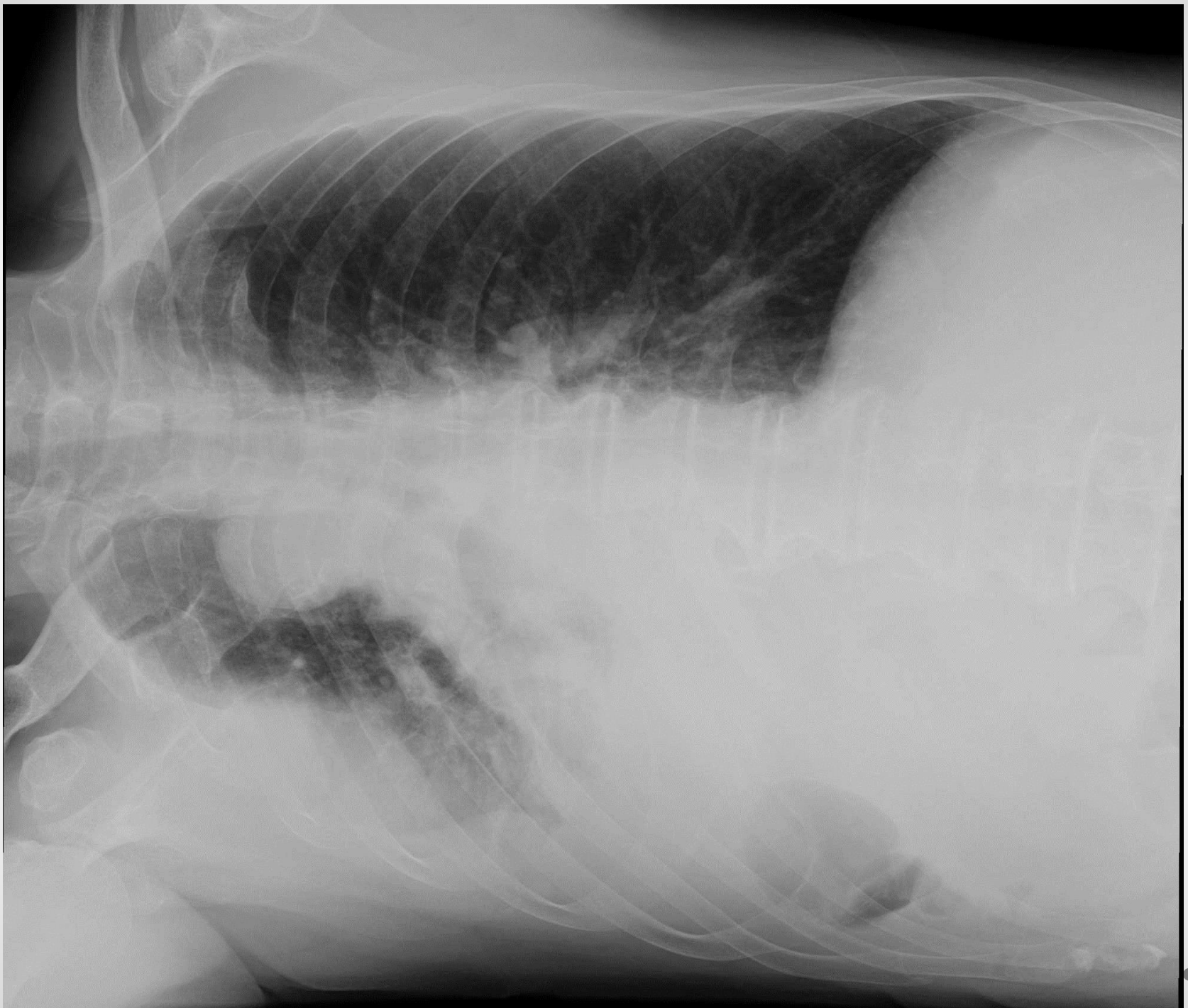
# Fluid in Chest PA

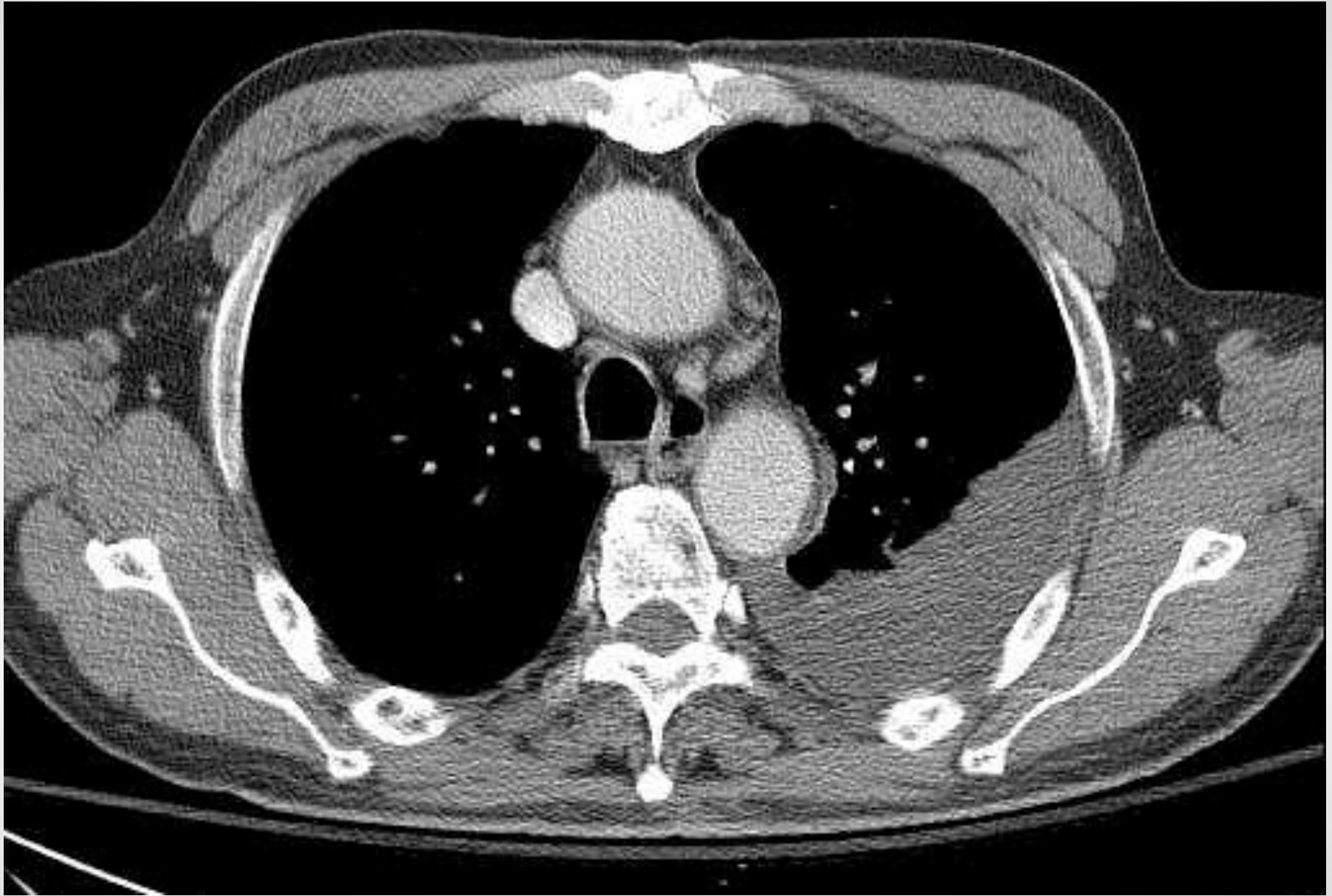
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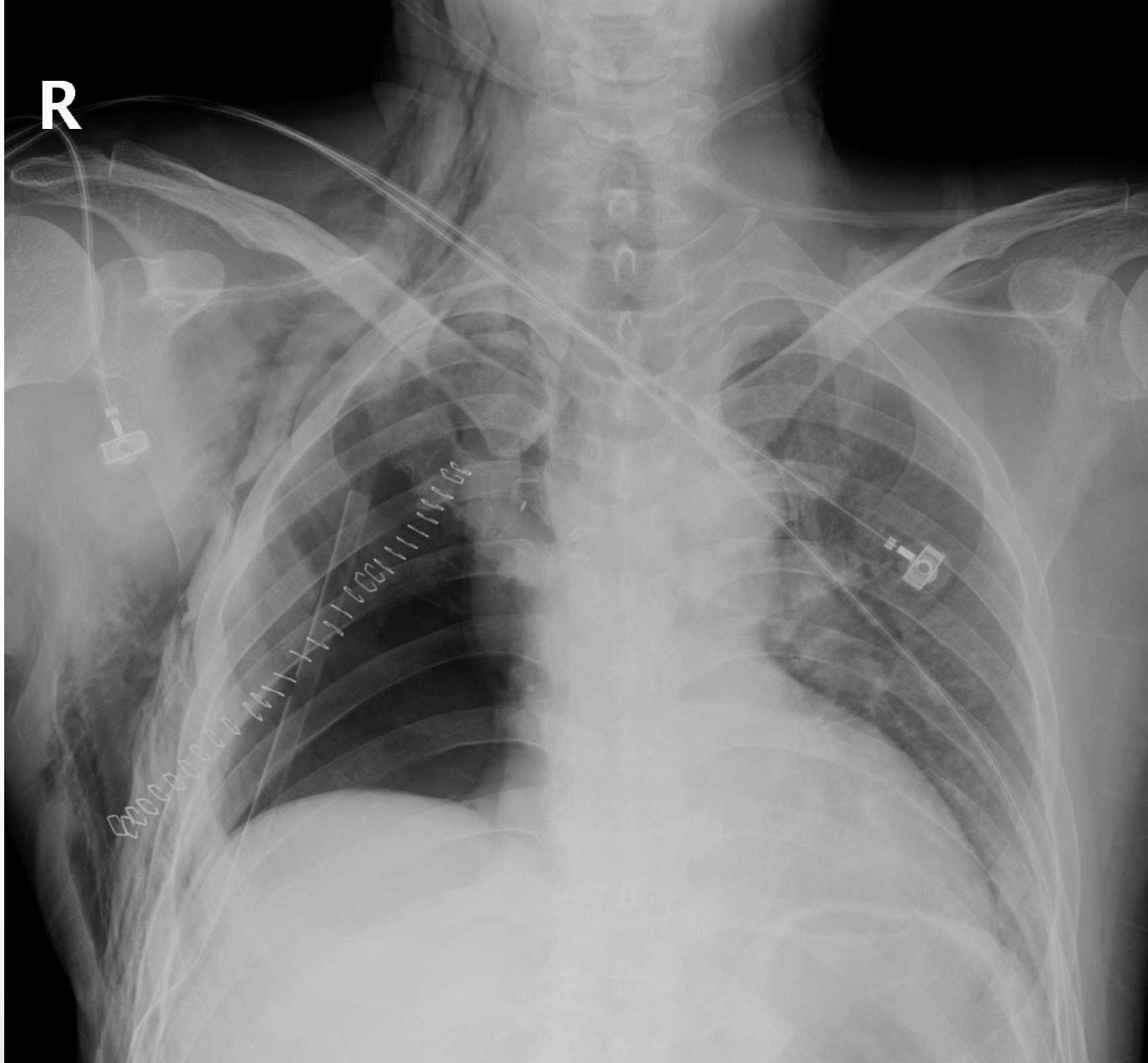


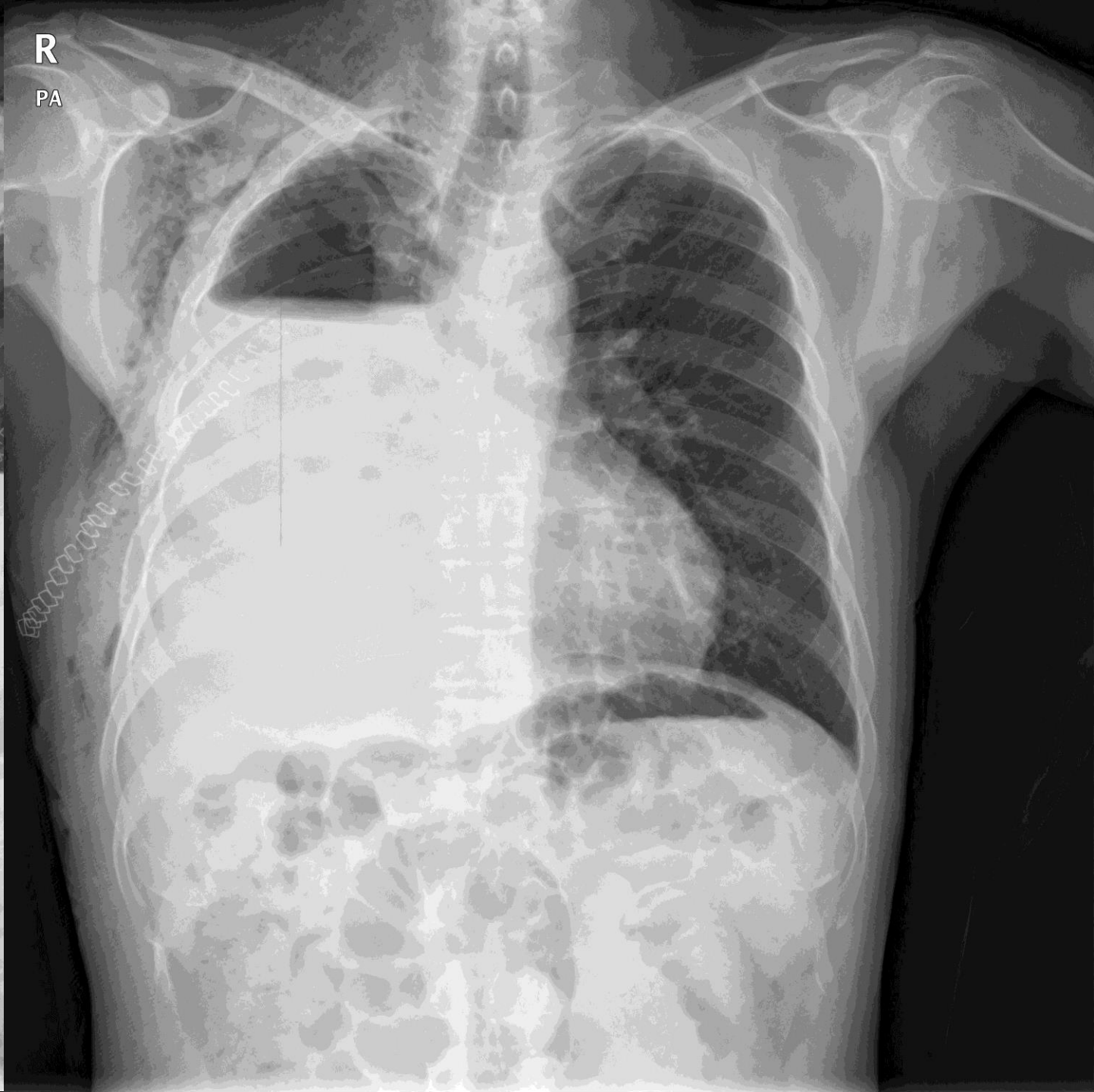
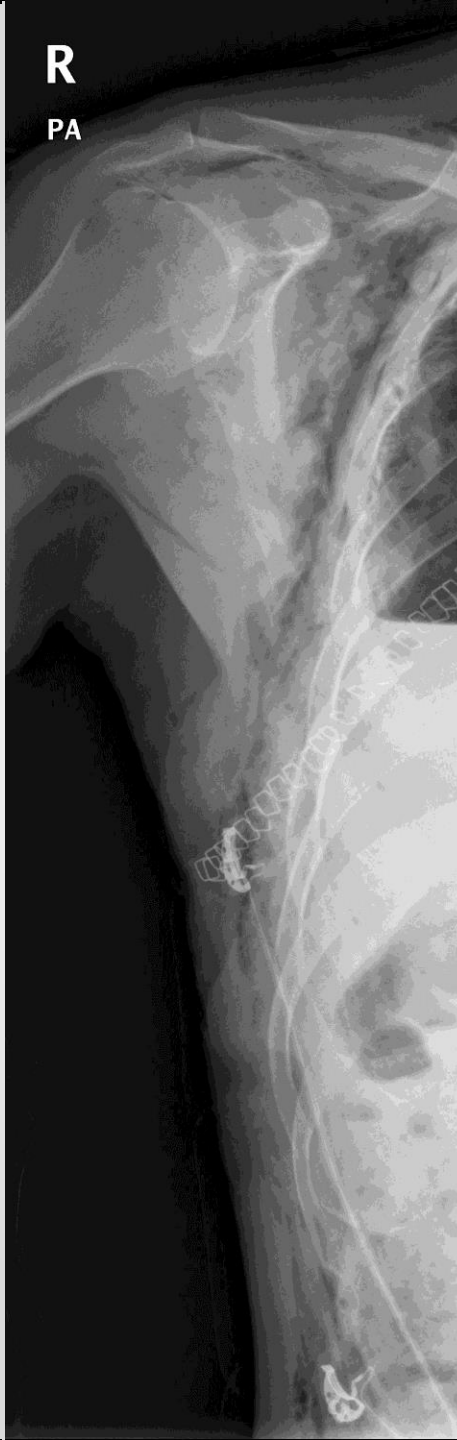


# Pleural effusion

- Transudate vs exudate
- Blood
- Malignant effusion
- Chylothorax

# Pneumonectomy





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# Postpneumonectomy

- Rapid elevation of air-fluid level
- Mediastinal shifting
- Expanding feature
- **Aseptic setting**

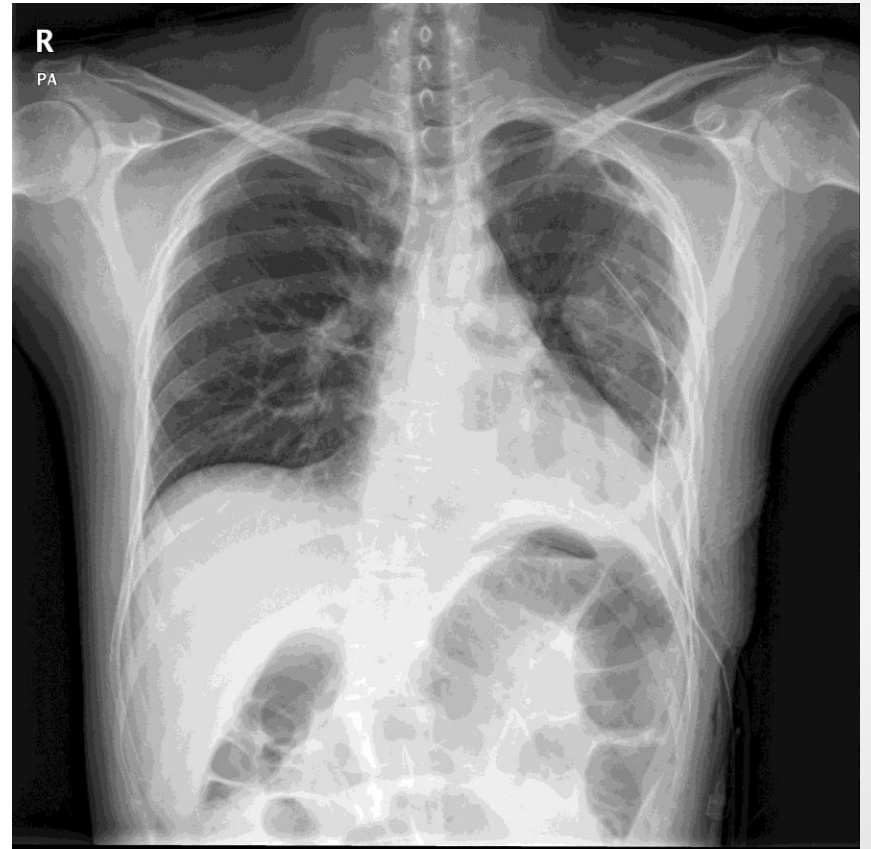
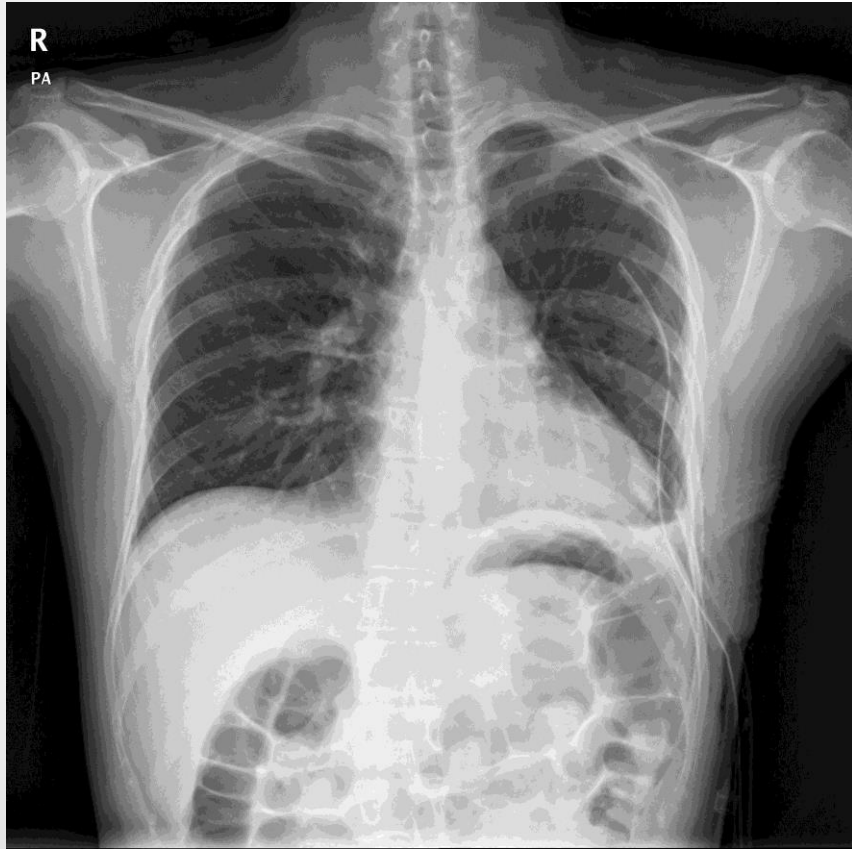


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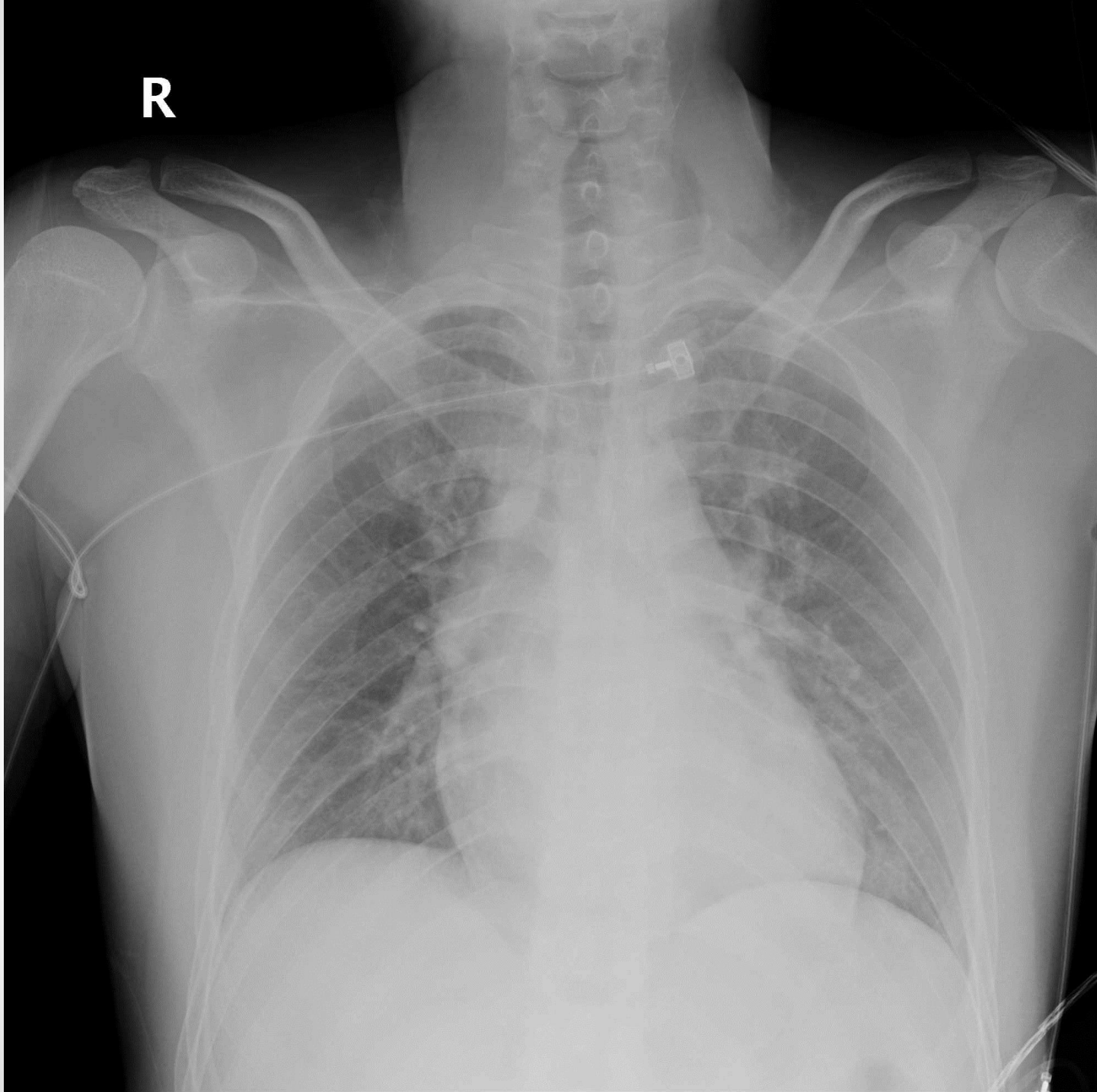
# Bleeding

- Surgical indications
- **Chest tube clamping**

# Haziness or consolidation in Chest PA

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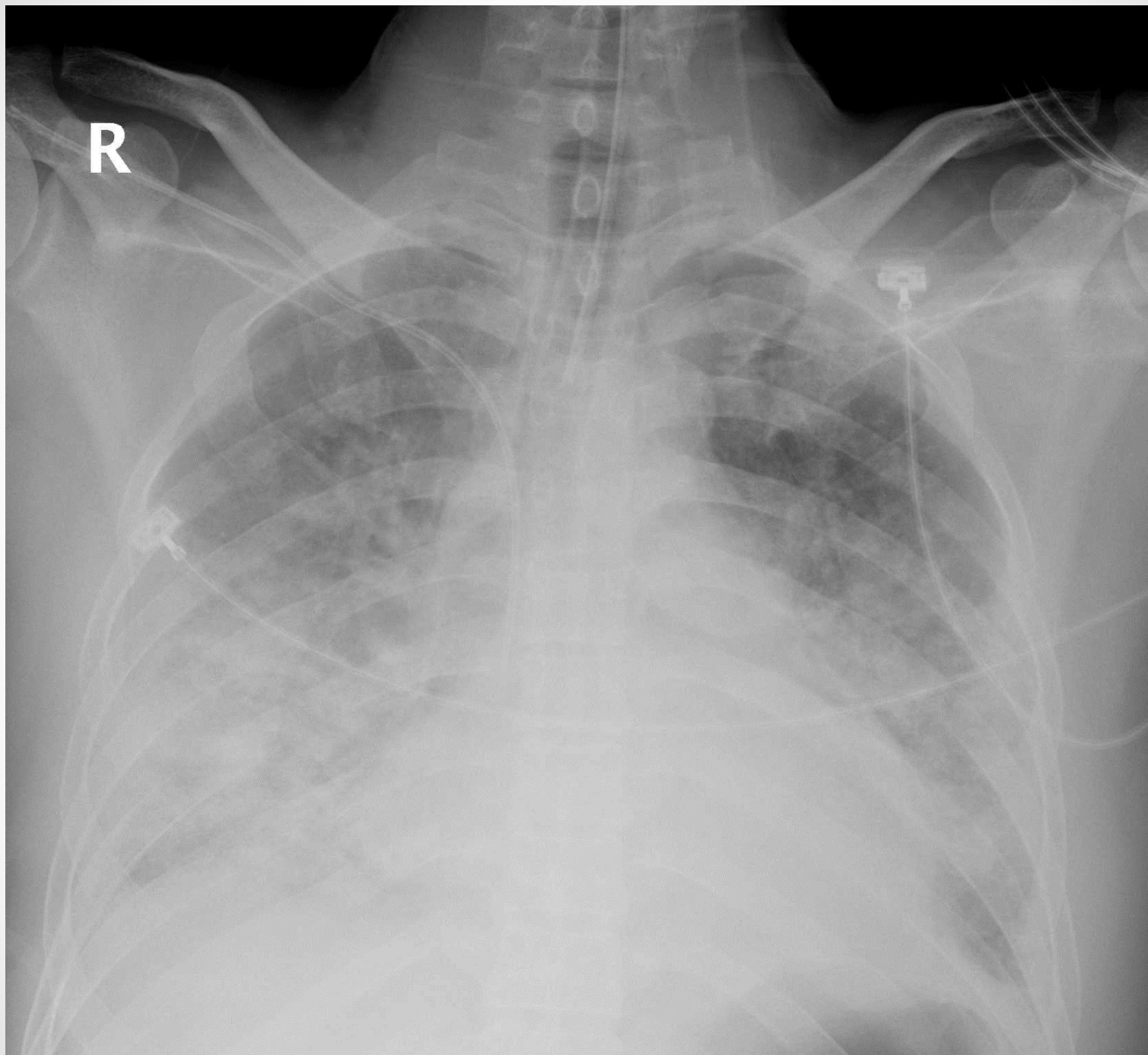
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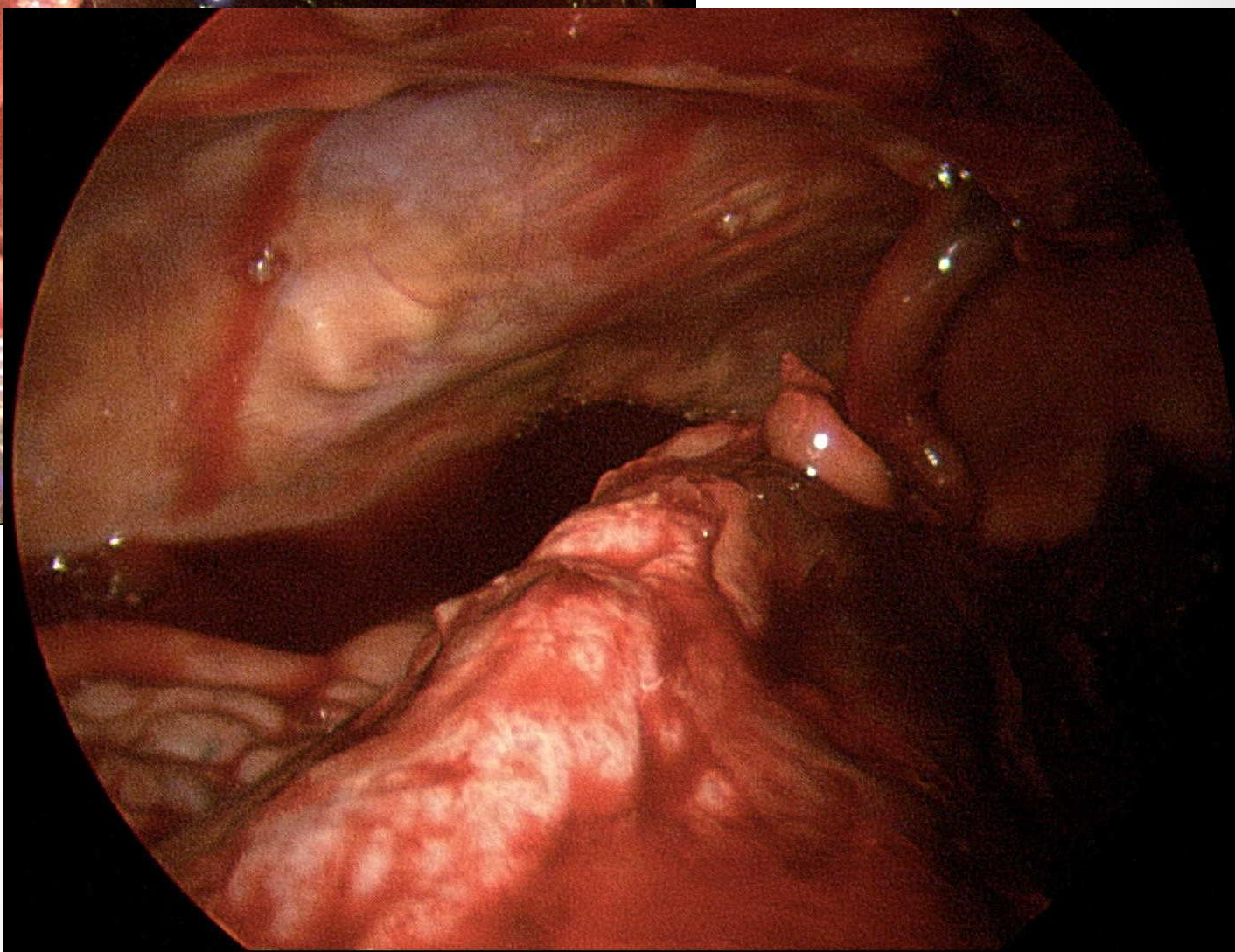
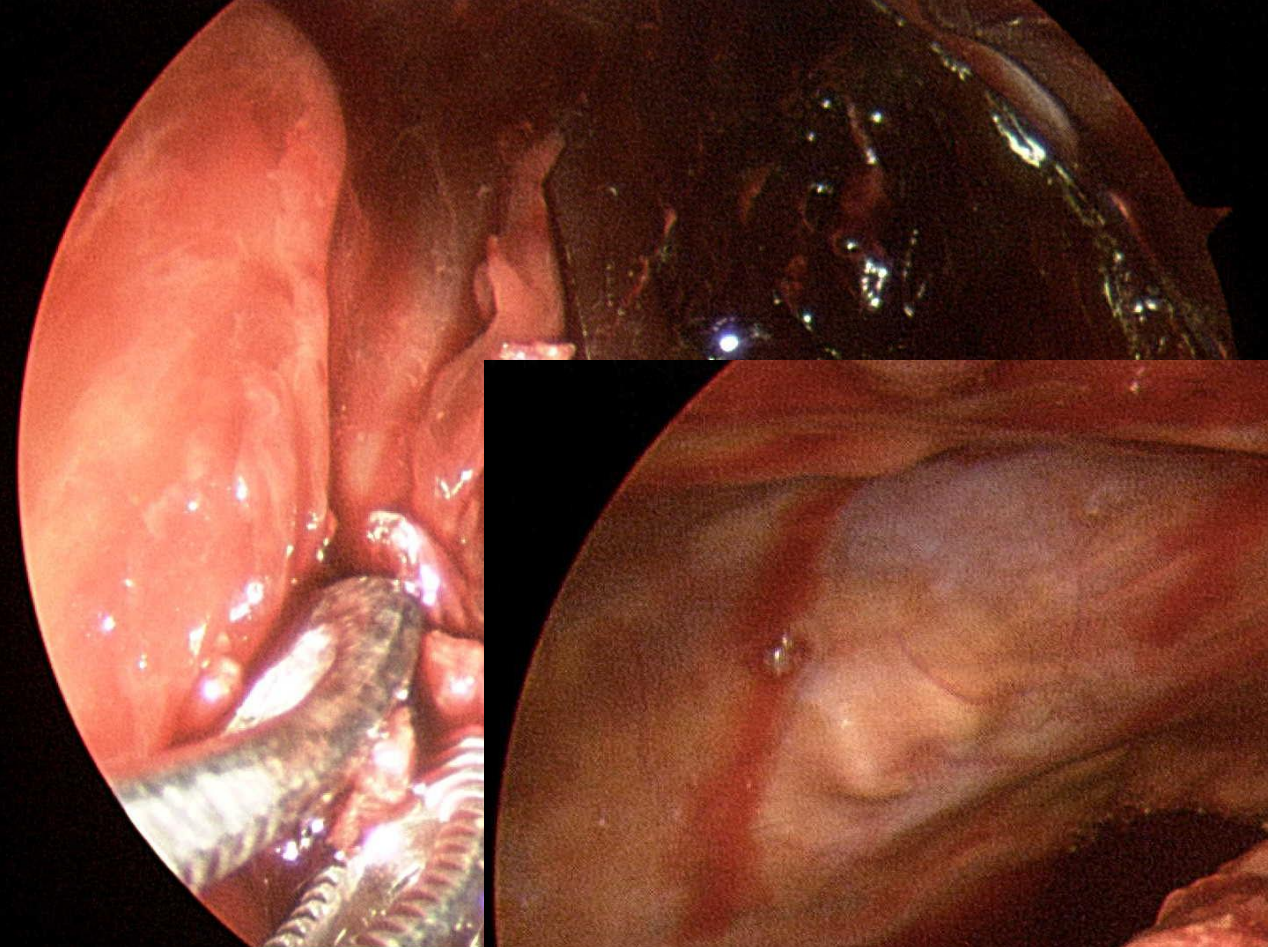










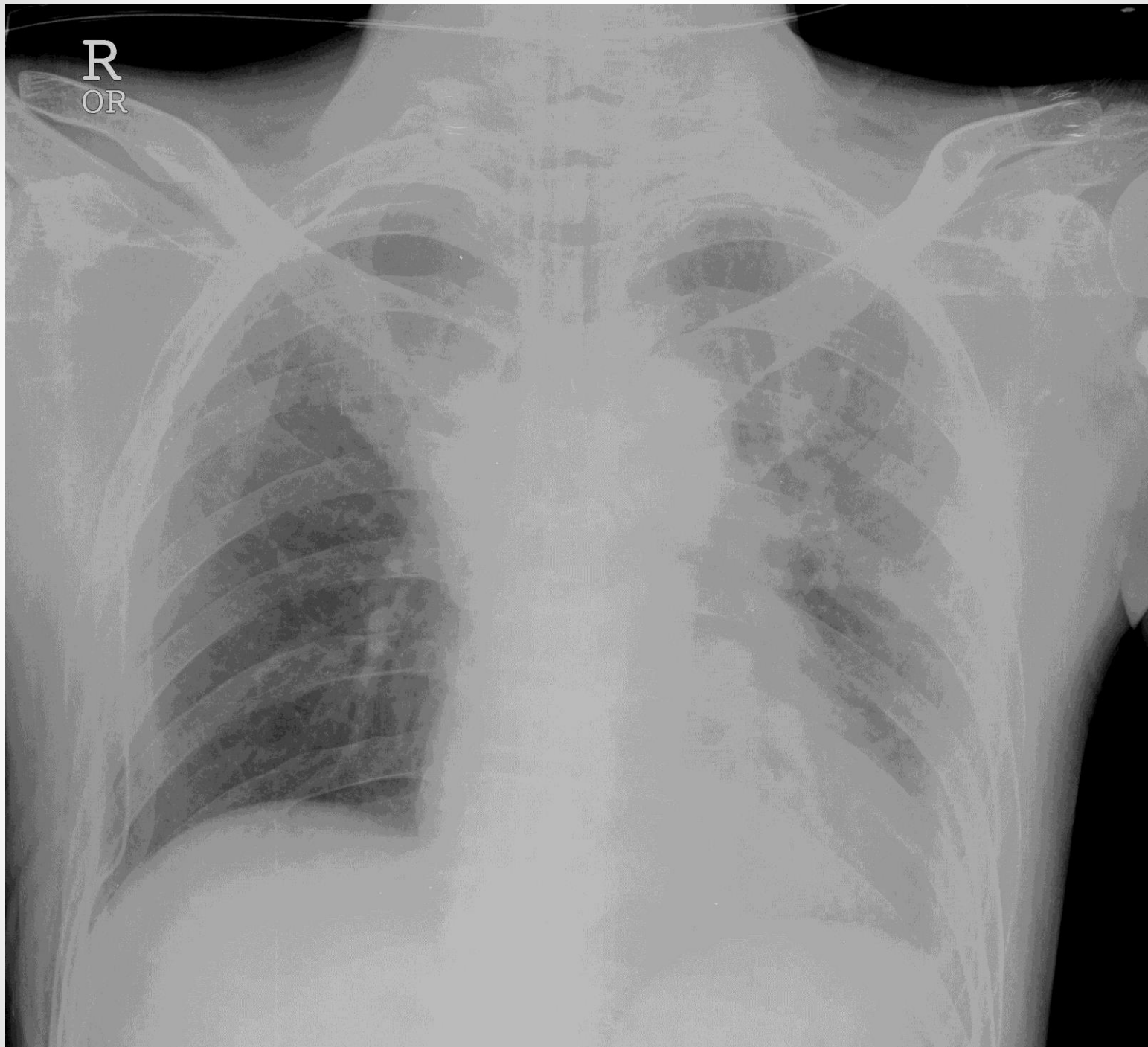




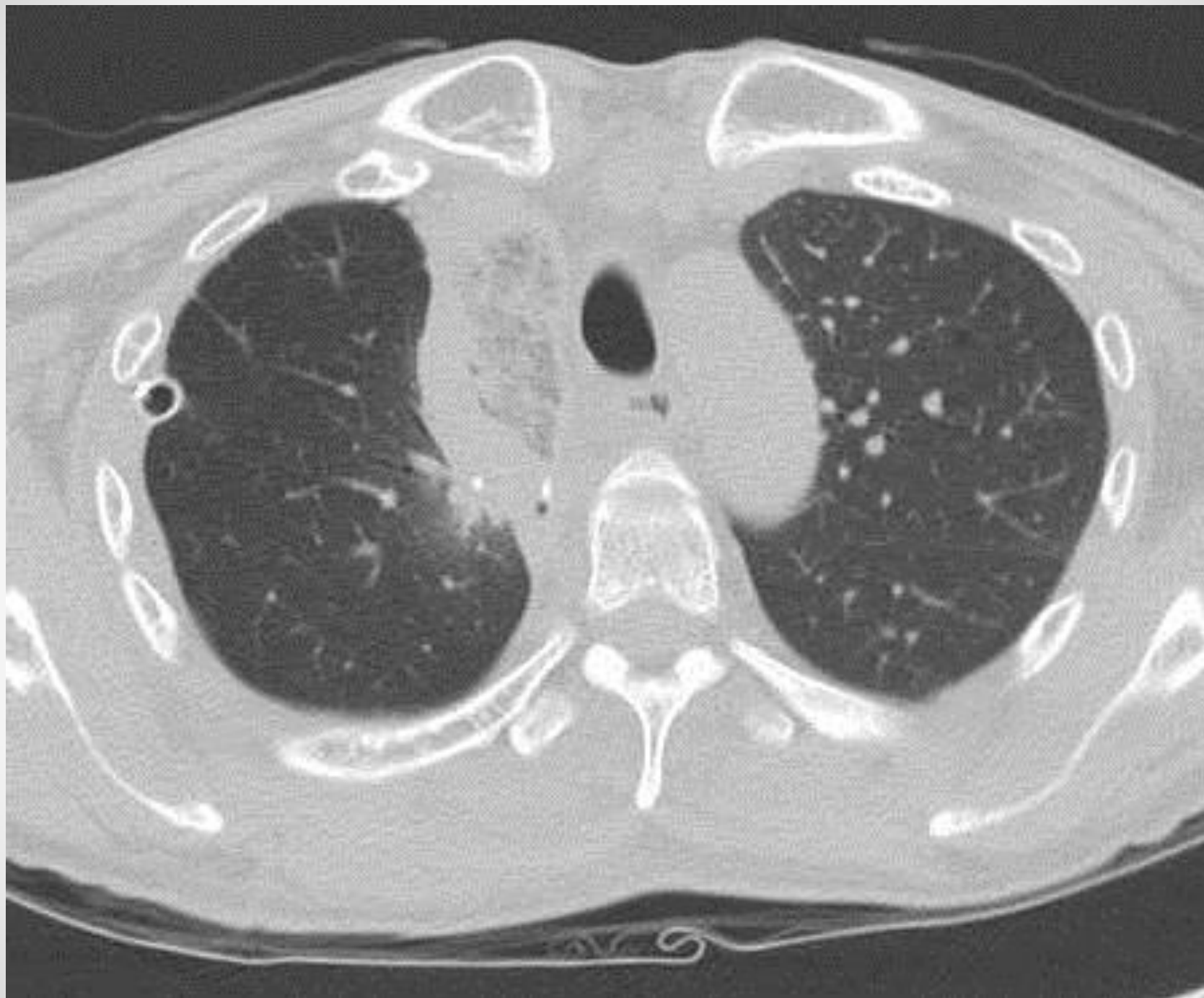
# Multiple trauma

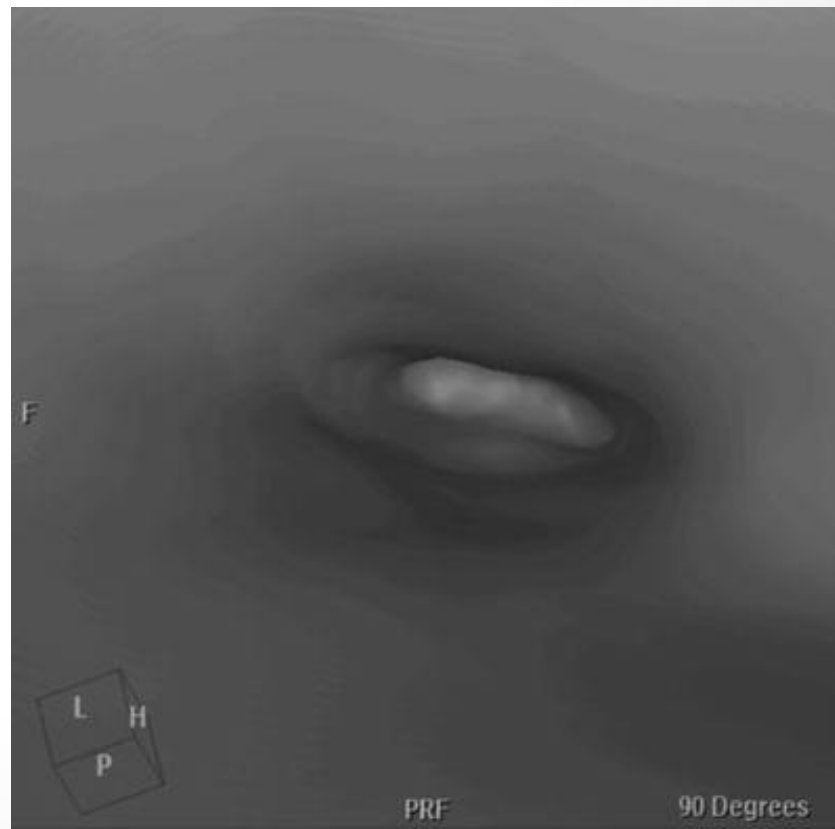
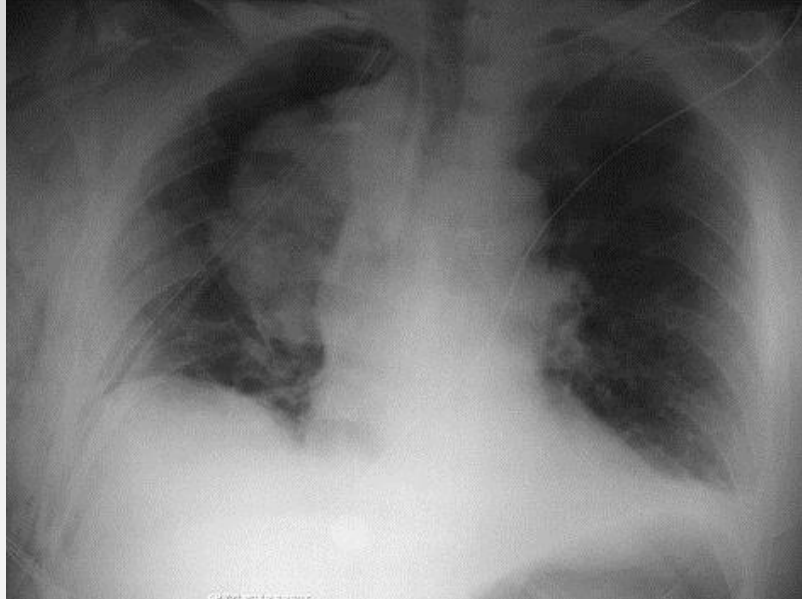
- Lung contusion
- Hemorrhage
- Hematoma evacuation
- Pneumonia, ARDS

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OR

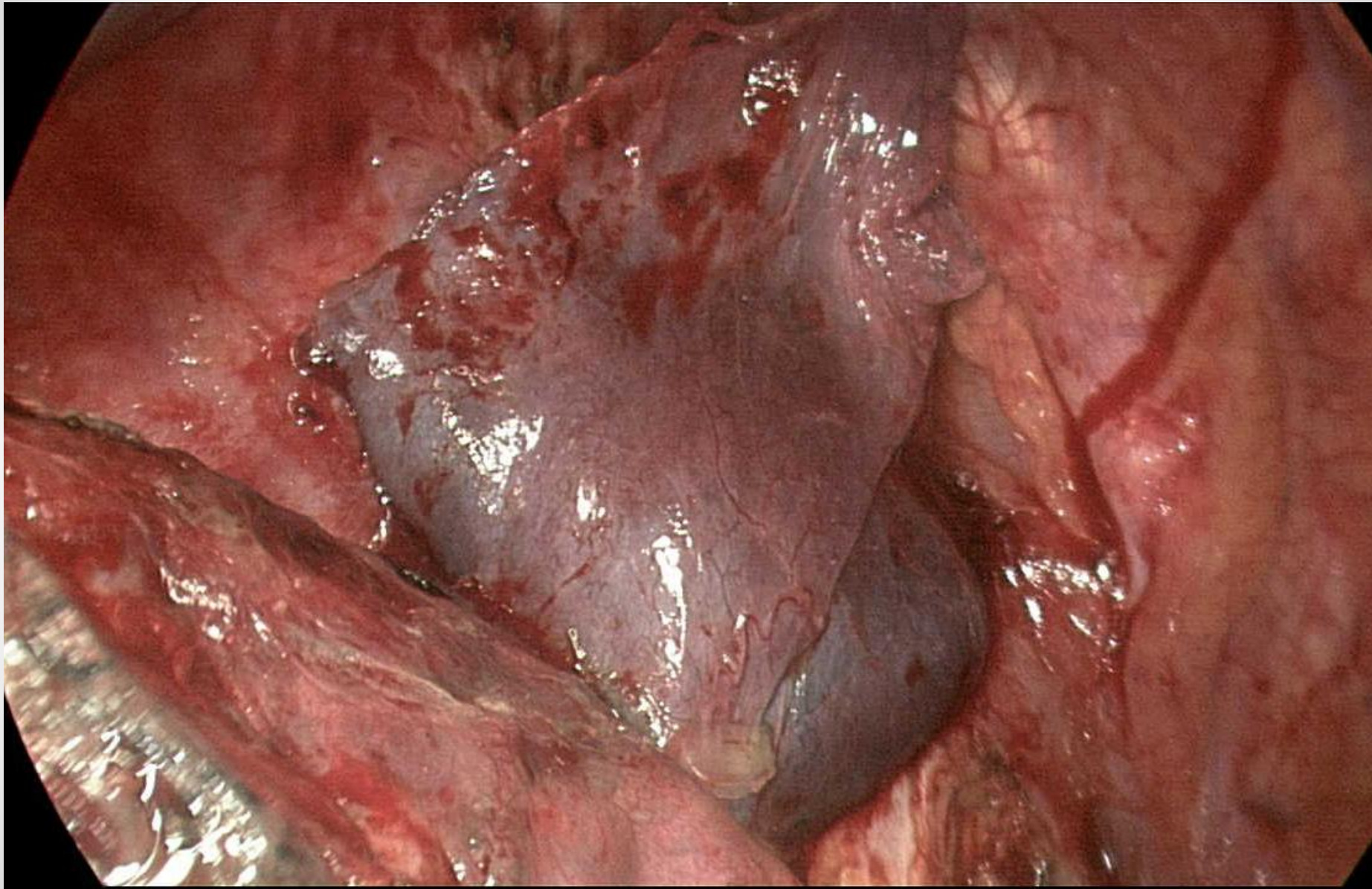






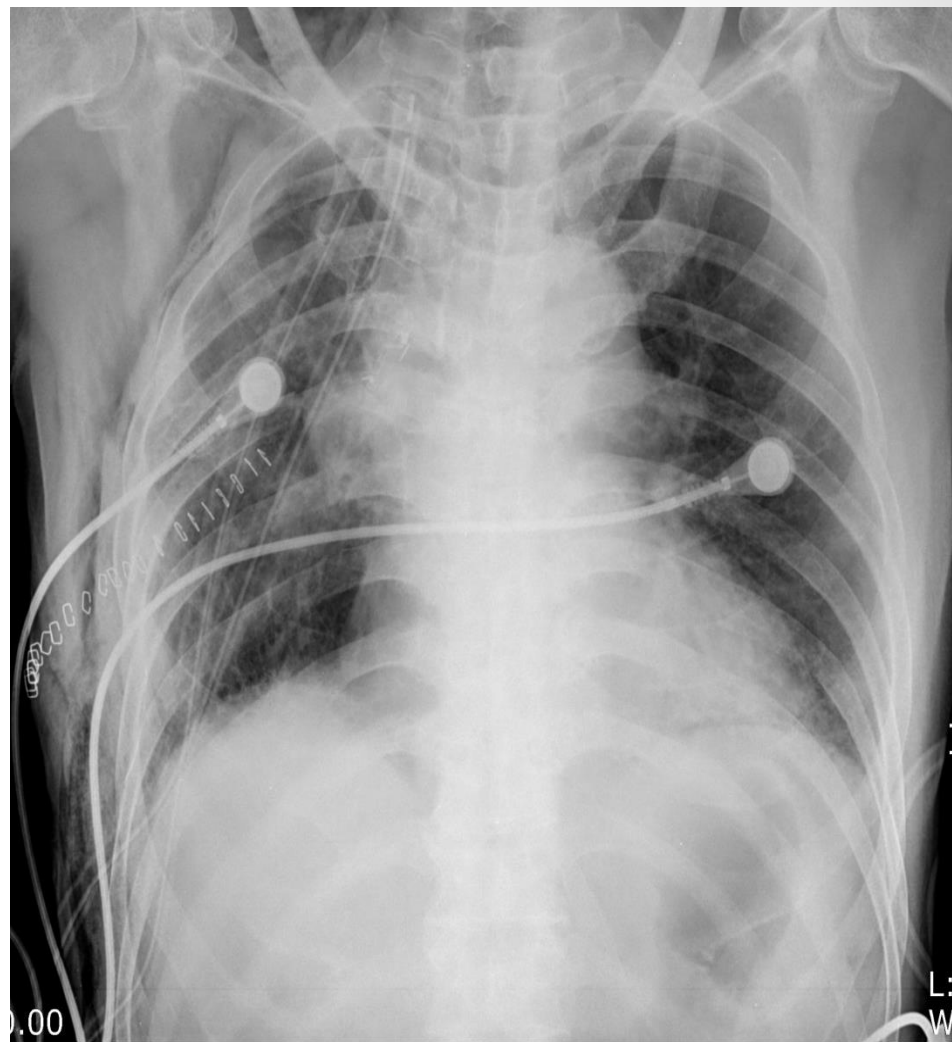






# Postlobectomy torsion

- vs. Collapse
- After RULobectomy
- Anchoring or not
- Rapid diagnosis
- Emergent operation













# Postop. pneumonia

- Early detection
- Early mechanical ventilation
- **Intubation**

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PA

