

Empyema Thoracis

For MBChB 6

By Dr Mark N Awori

Definition...

- PURULENT PLEURAL EFFUSION
-

Types...

- Parapneumonic
- Traumatic

Signs and symptoms...

- Cough
- Chest pain
- Fever

Investigations.....

- Chest radiograph
- CT scan chest

Pleural effusion.....











Treatment....

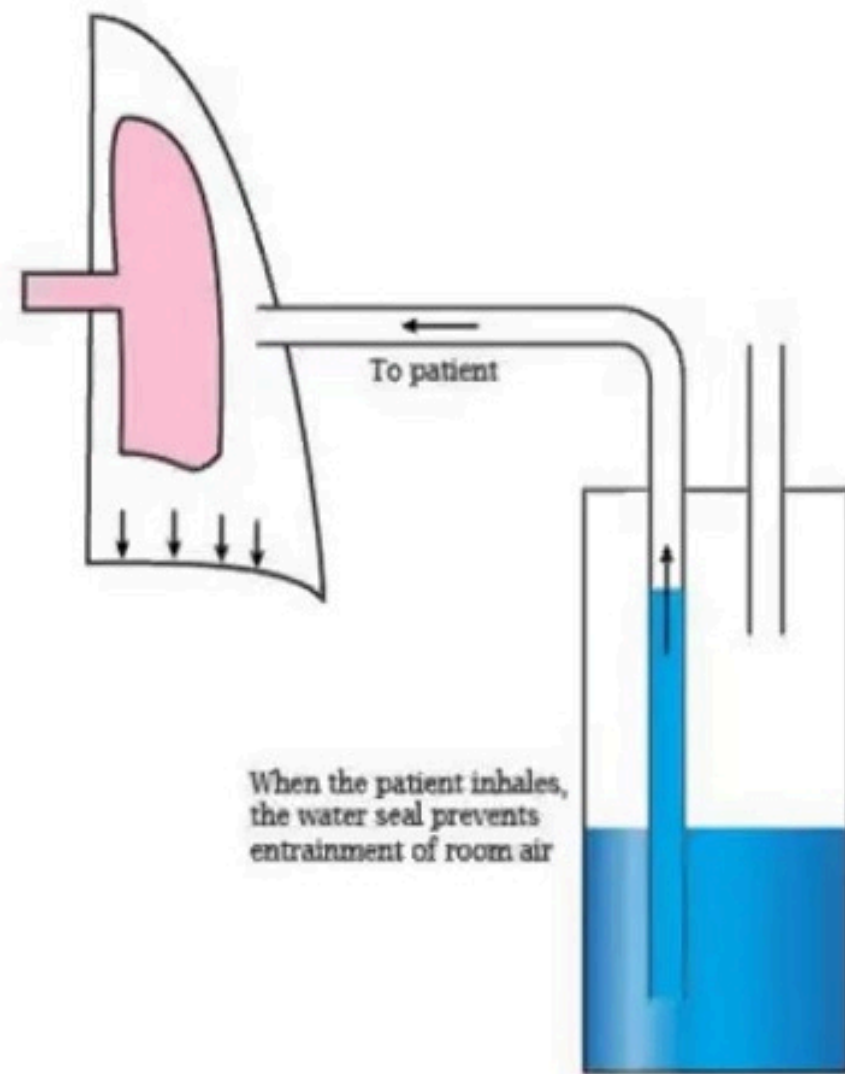
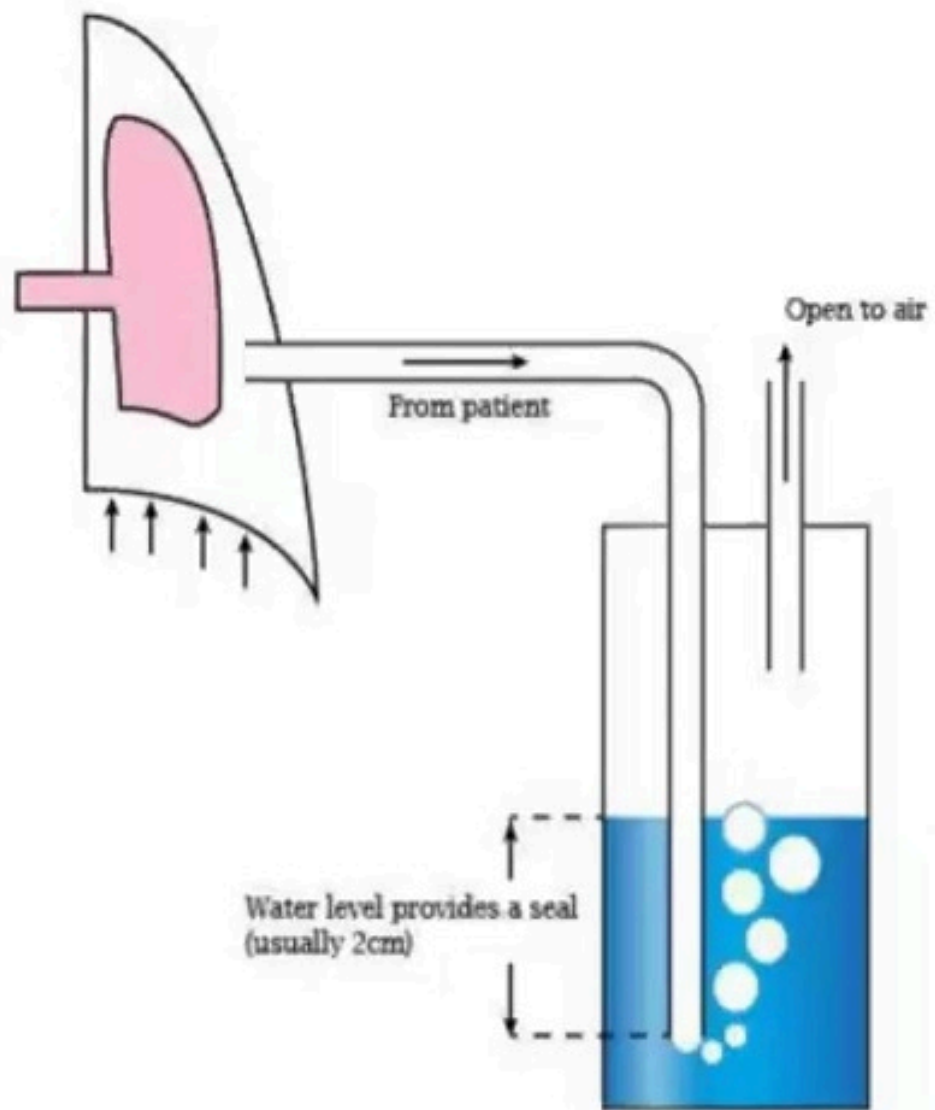
- Chest tube drainage
- Fibrinolysis via VATS
- Decortication via thoracotomy

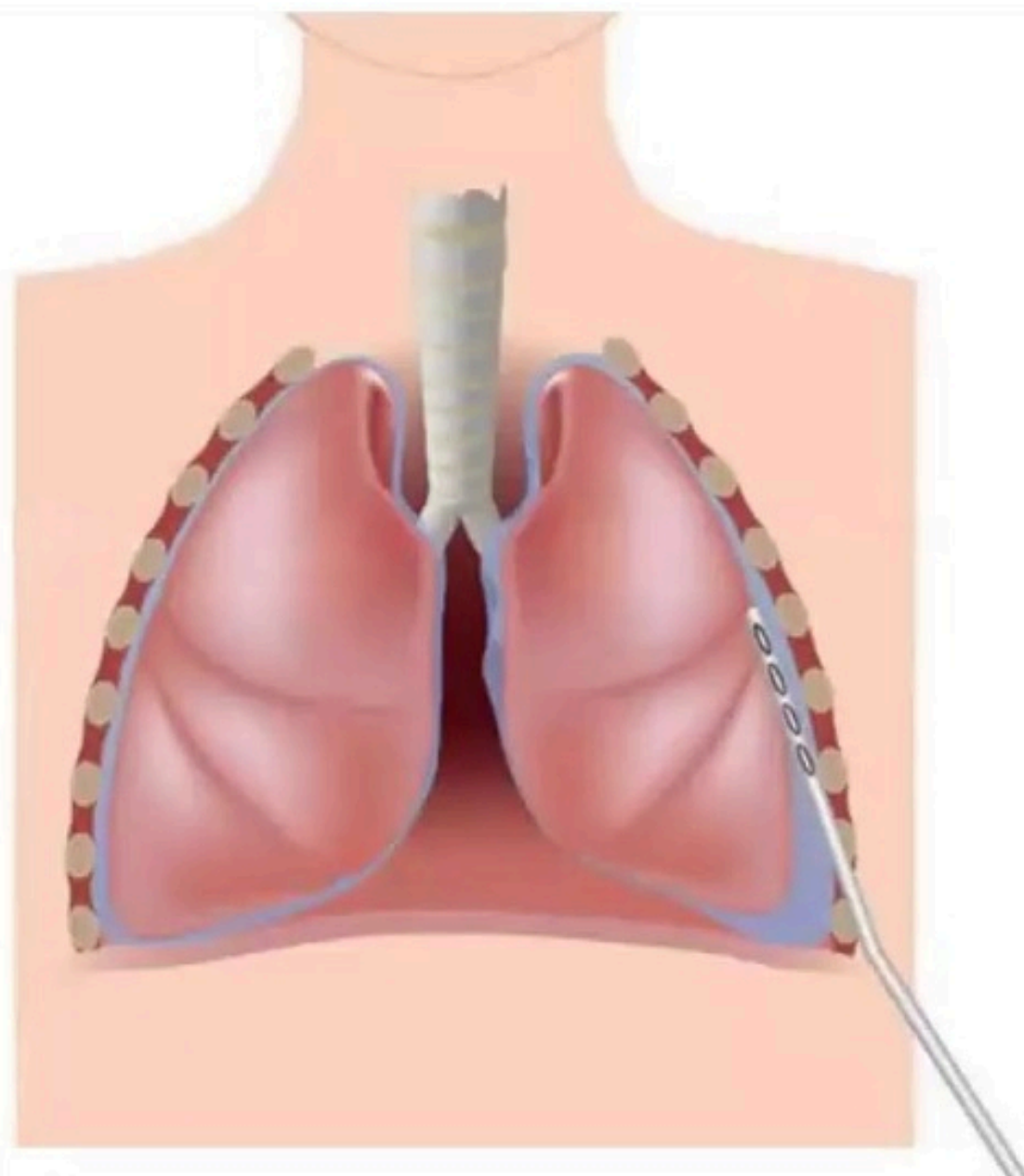
Stage 3 empyema....

- Fibrin formation with thick peels that trap lung
- Happens about 1/12 after empyema stage 1 (early empyema)

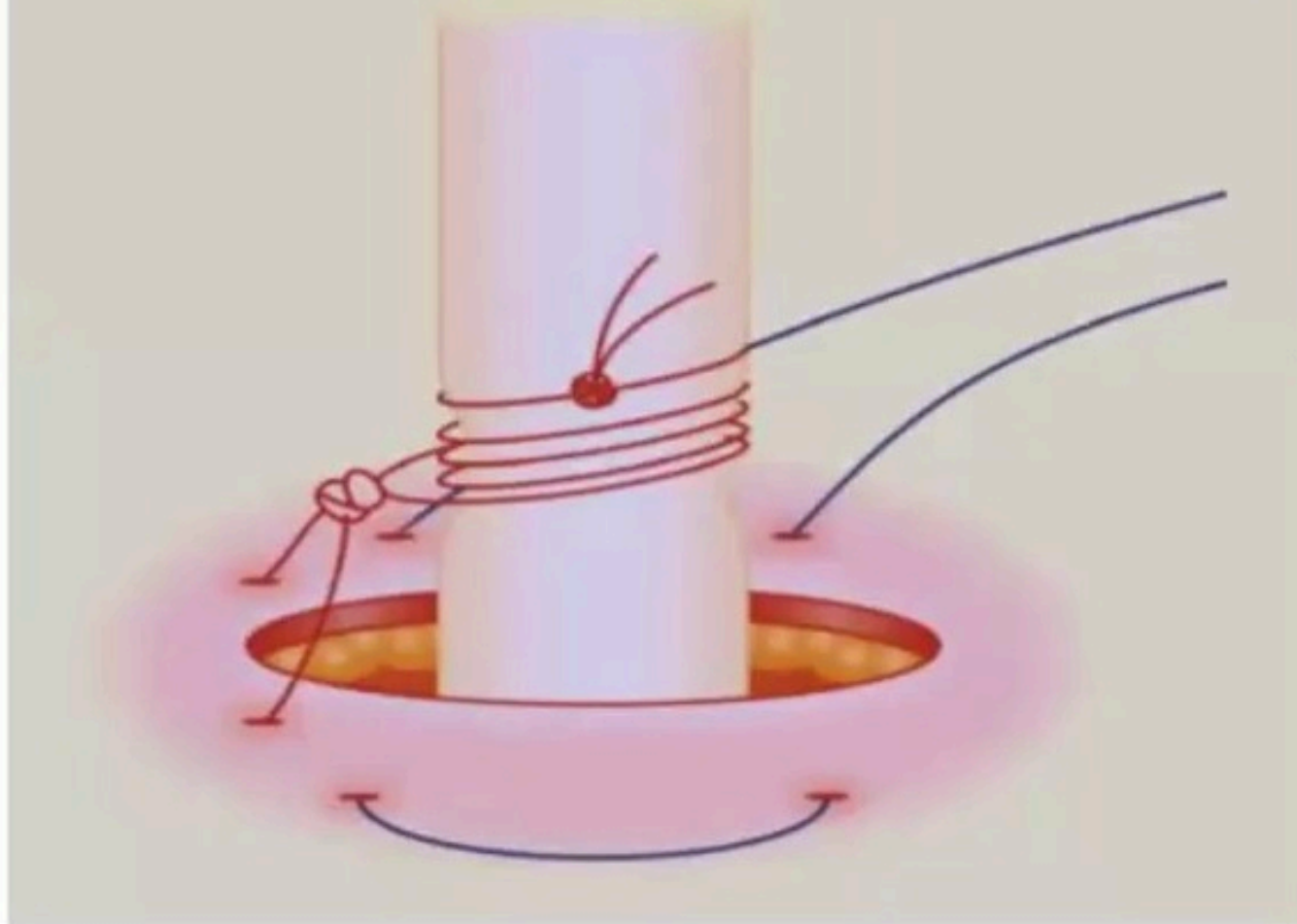
Stage 1 treatment....

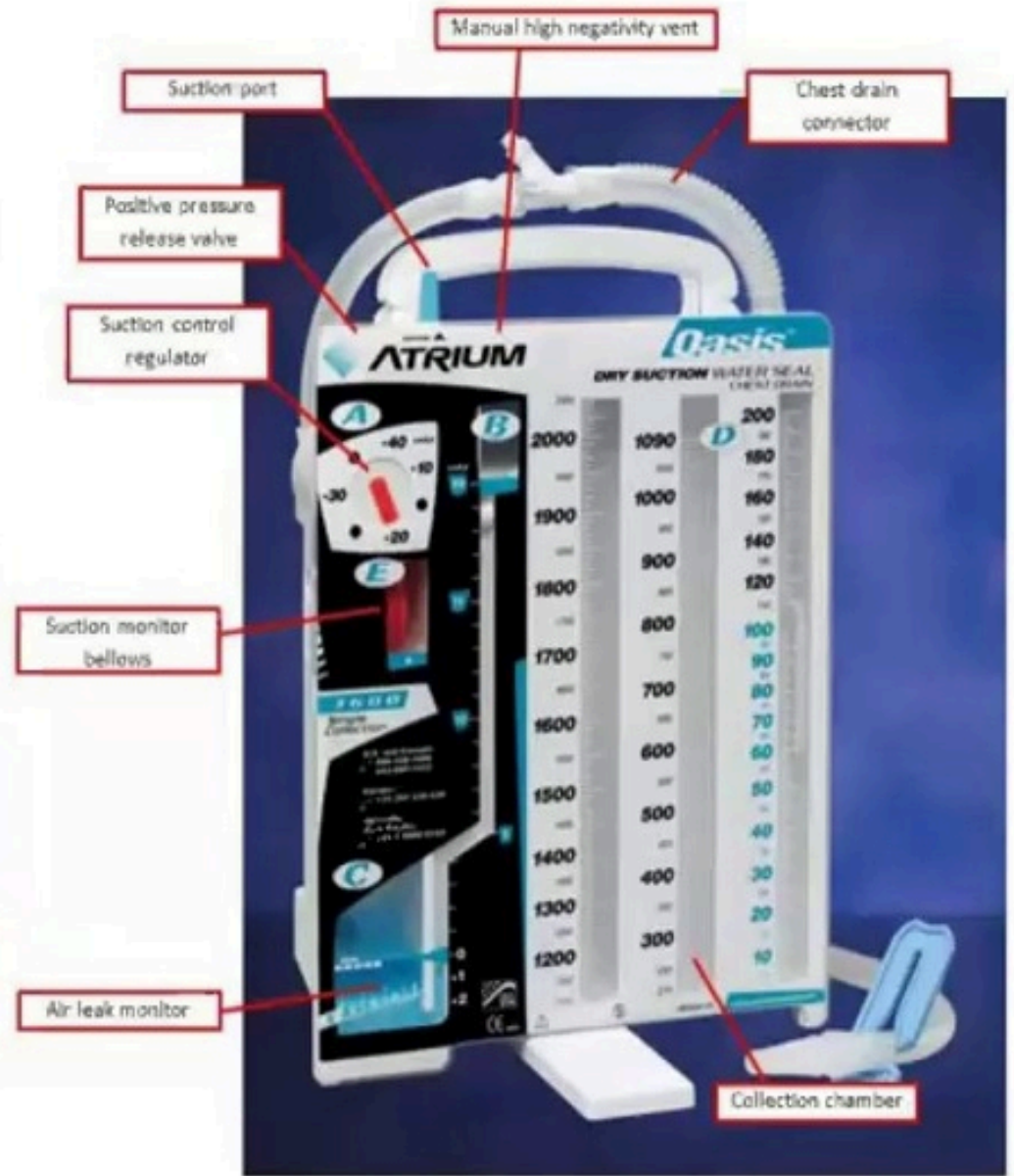
- Fever: antibiotics
- Chest tube





Simple suture to secure the drain with anchoring knot near the point of fixation to the drain

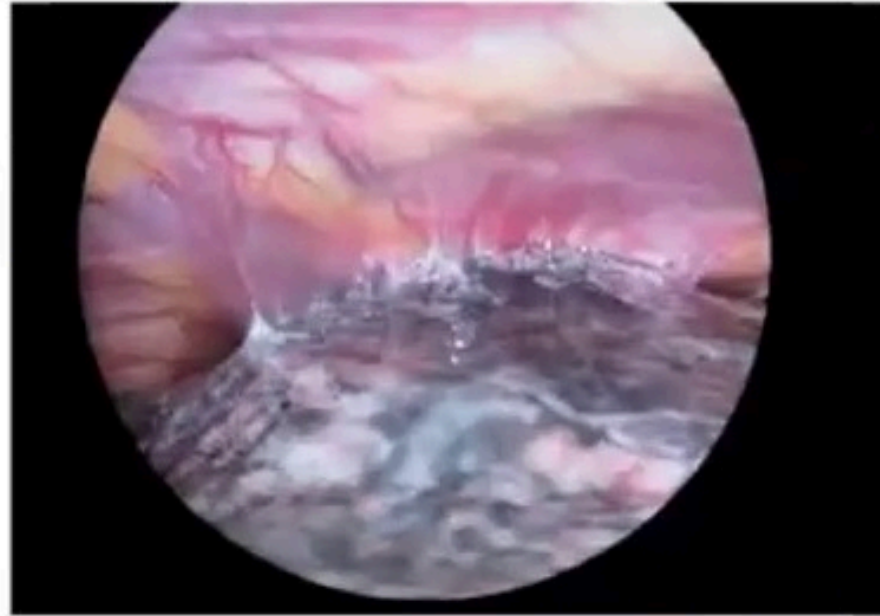




Stage 2 treatment.....

- Thoracoscopy
- Lysis of adhesions using enzymes

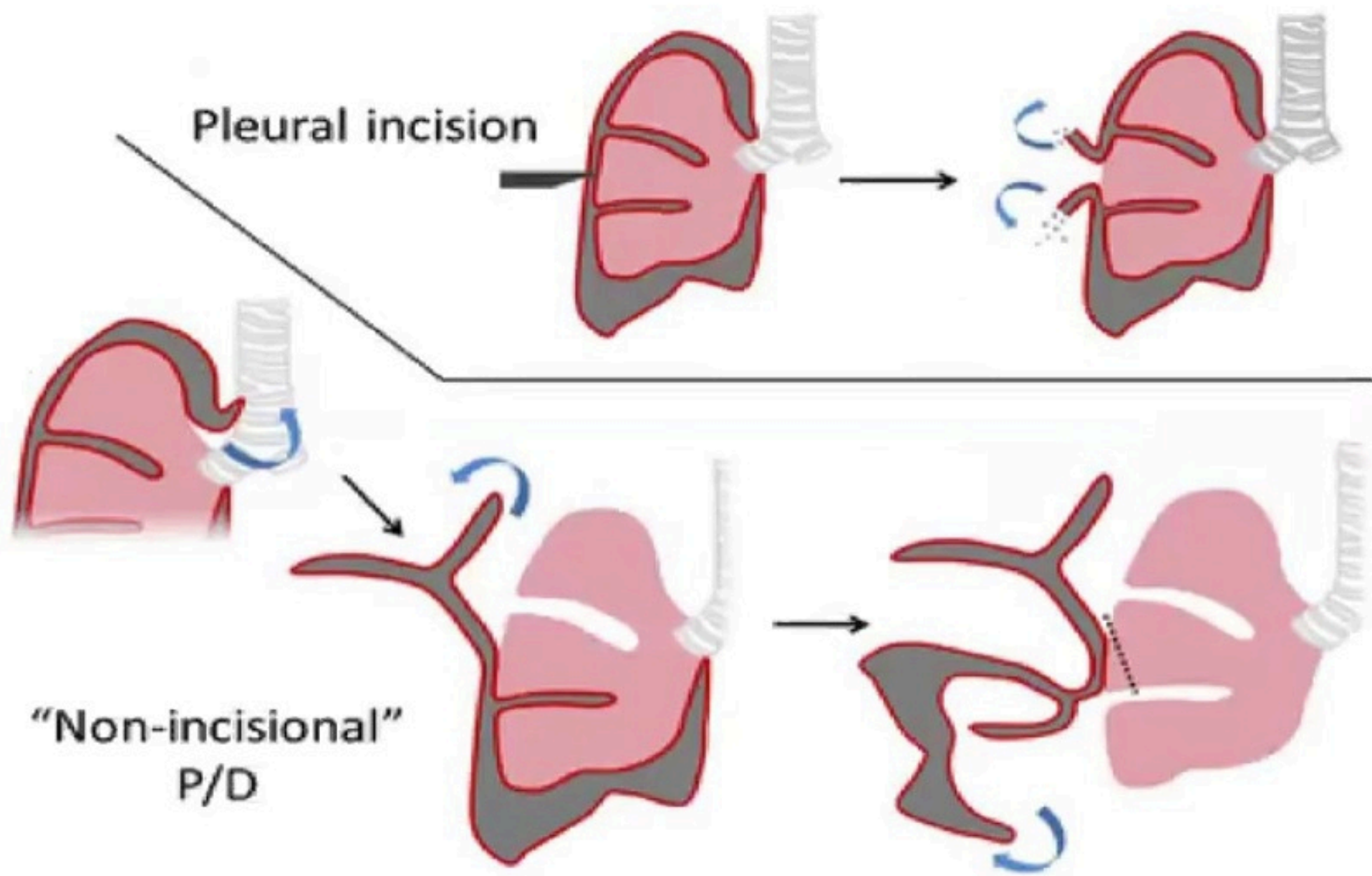
Stage 2 treatment.....



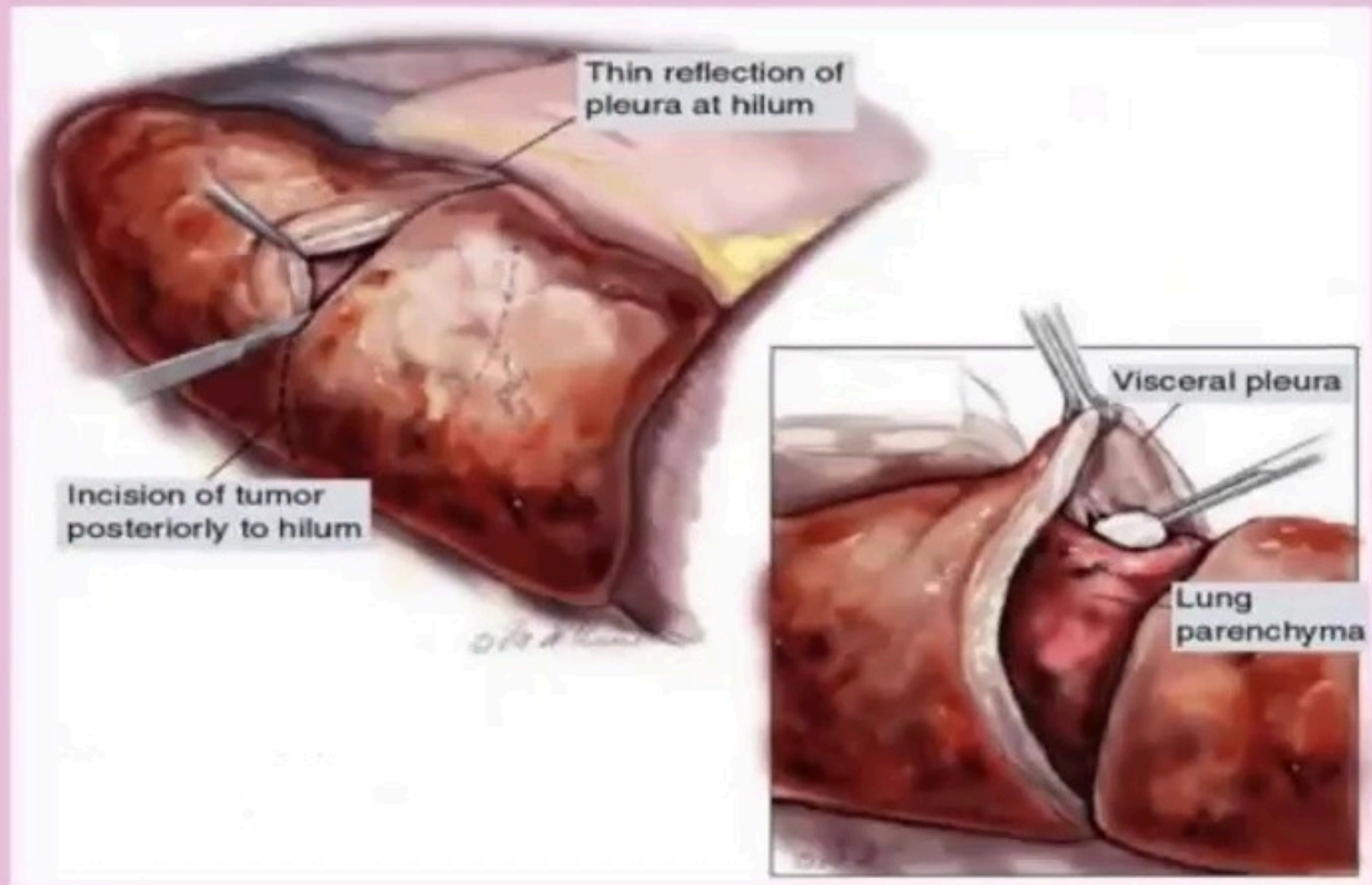
Stage 3 treatment...

- Decortication via thoracotomy

Pleural incision



"Non-incisional"
P/D





Lobectomy



Pneumonectomy



Wedge Resection



Segmentectomy