

40y/o male

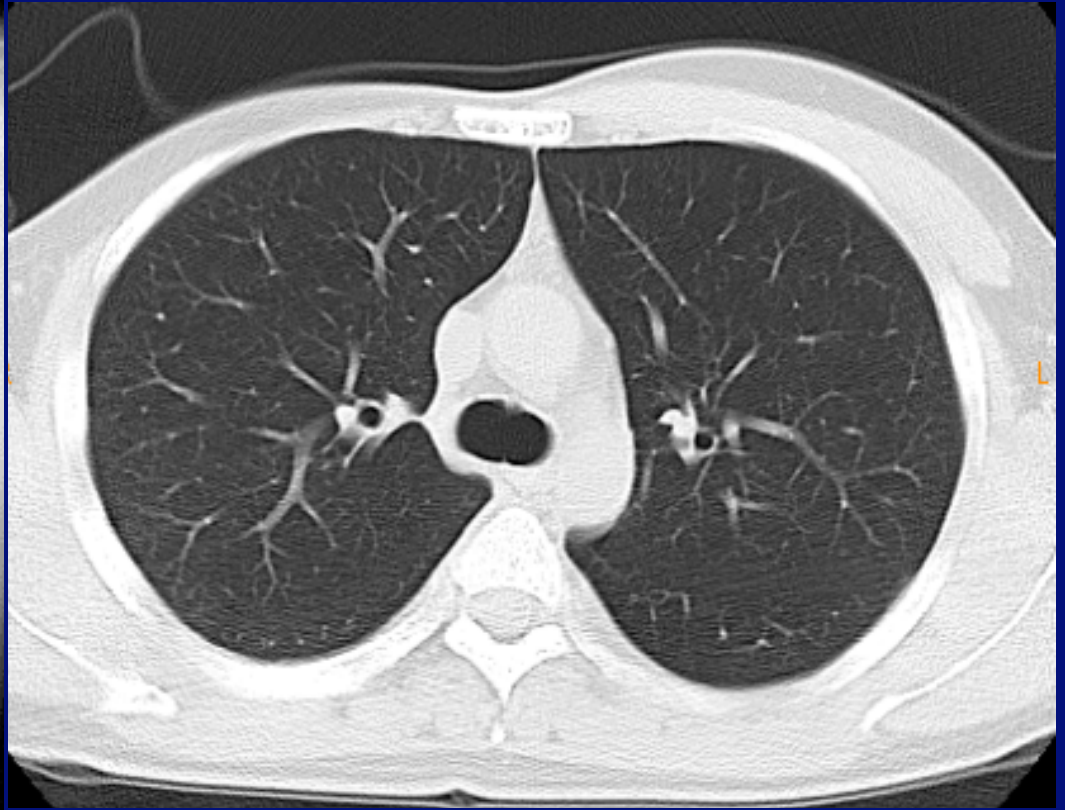
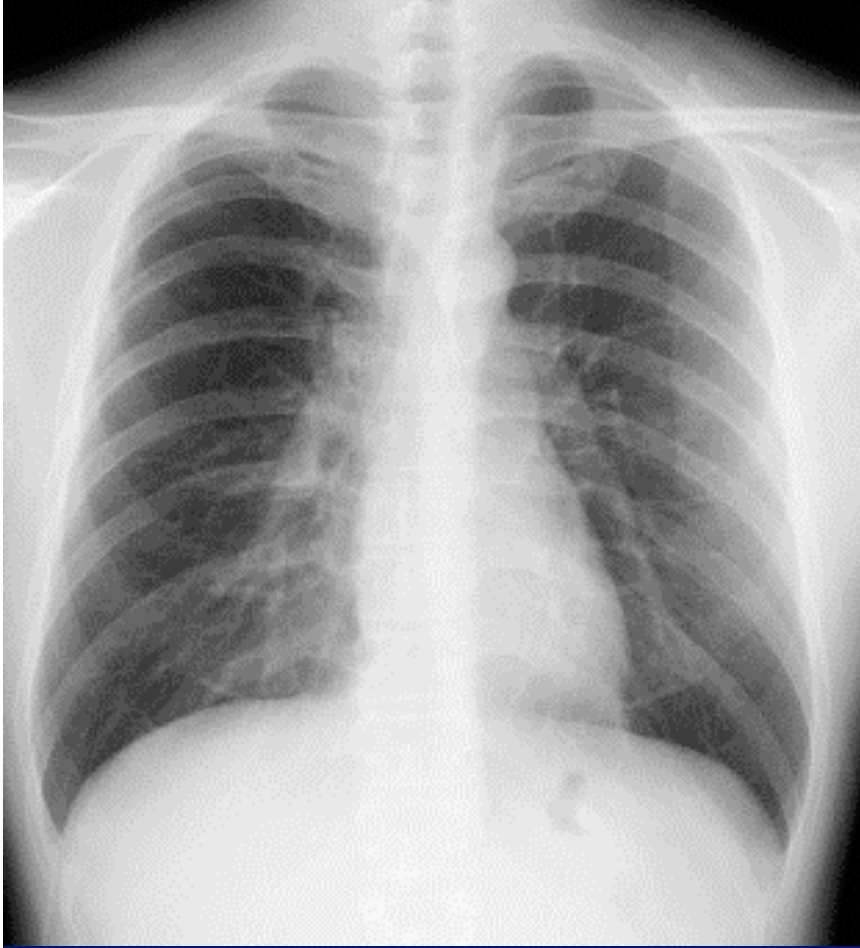


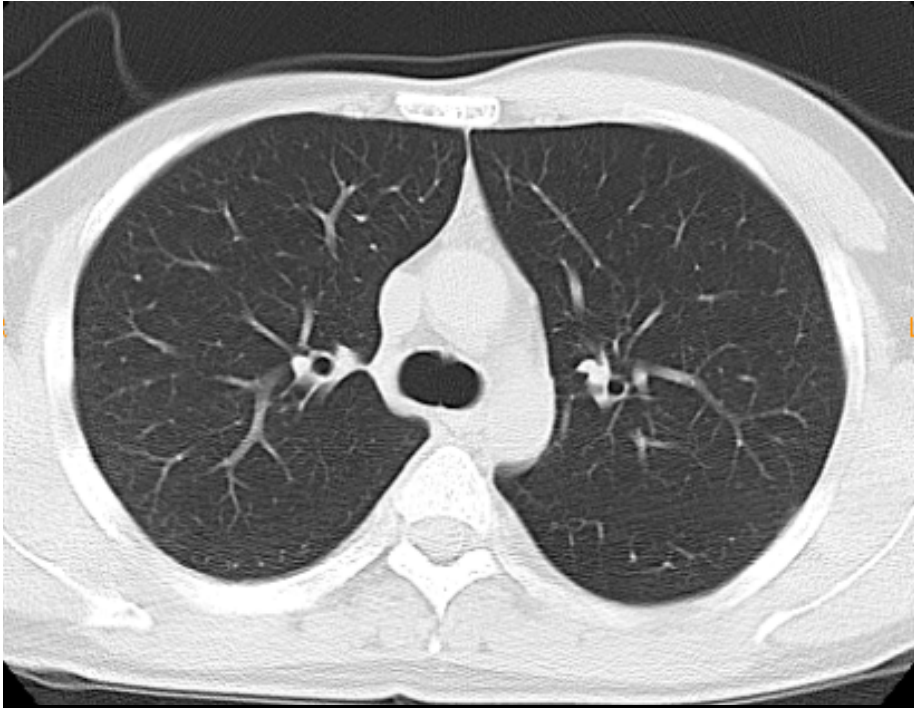
53y/o female

Causes of unilateral hyperlucent thorax

- Patient positioning
- Pneumothorax
- Airway obstruction
- Chest wall defect
- Pulmonary vascular cause

- Increased contralateral density





Poland syndrome

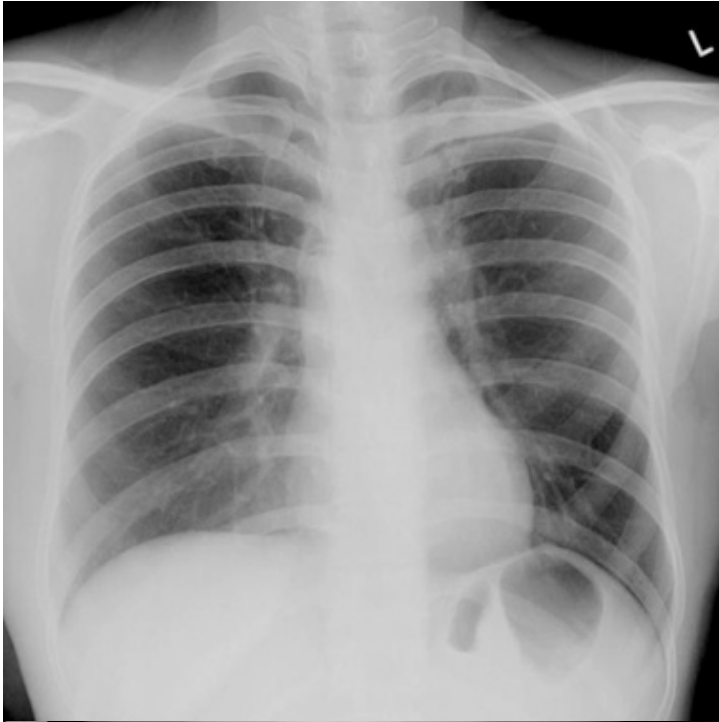


Poland syndrome

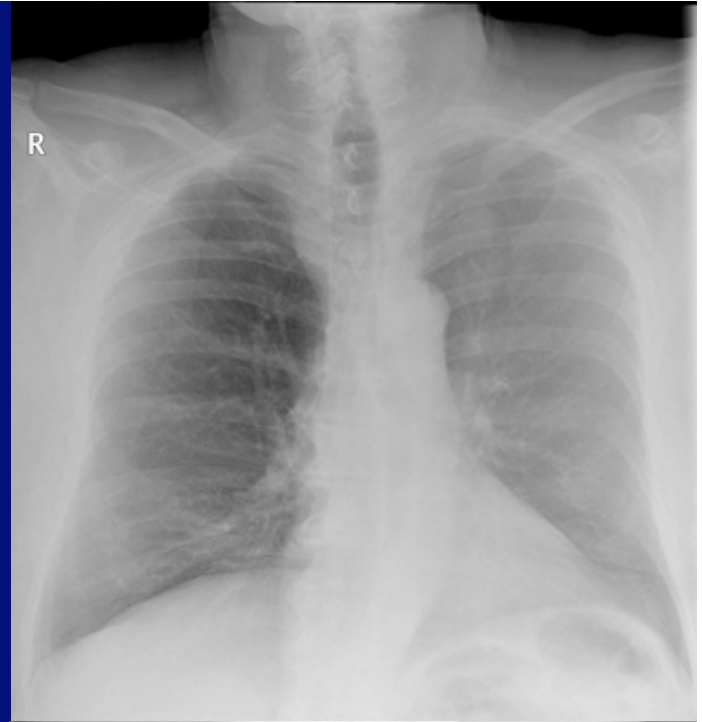
- ✓ Congenital aberration of the chest wall characterized by partial or absence of greater pectoral muscle and ipsilateral syndactyly
- ✓ occurs in 1/30,000 live births (male>female)
- ✓ unknown cause
- ✓ Repair undertaken for children with severe chest wall abnormalities

Causes of unilateral hyperlucent thorax

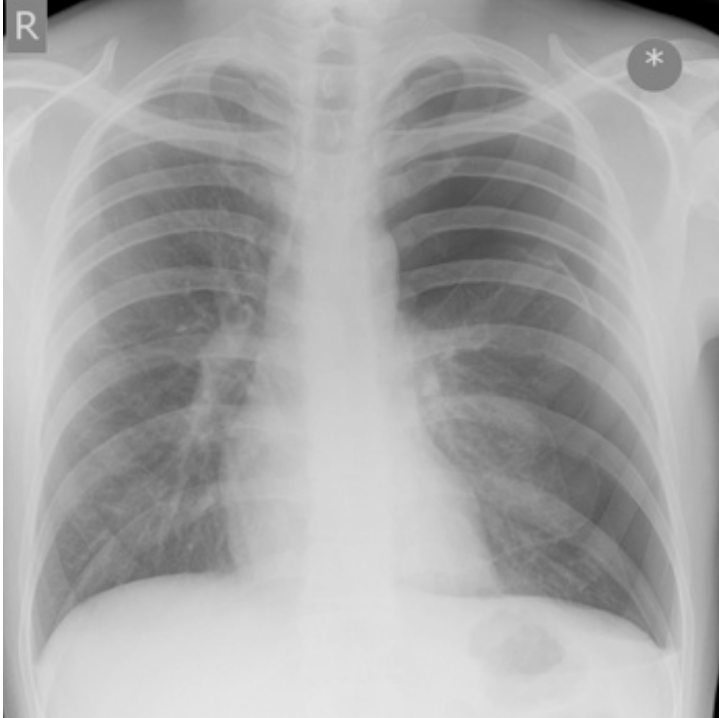
- Patient positioning
 - rotation
 - scoliosis
- Pneumothorax
- Airway obstruction
 - bronchial compression
 - endobronchial obstruction with air trapping
 - obliterative bronchiolitis
 - asymmetric emphysema
 - Swyer-James syndrome
- Chest wall defect
 - mastectomy
 - absent pectoralis muscle
 - atrophy of trapezius muscle
- Pulmonary vascular cause
 - pulmonary embolism
 - pulmonary artery hypoplasia
- Increased contralateral density



rotation



Mastectomy (left)



emphysema



Pneumothorax (left)