

ASBESTOS RELATED DISEASE

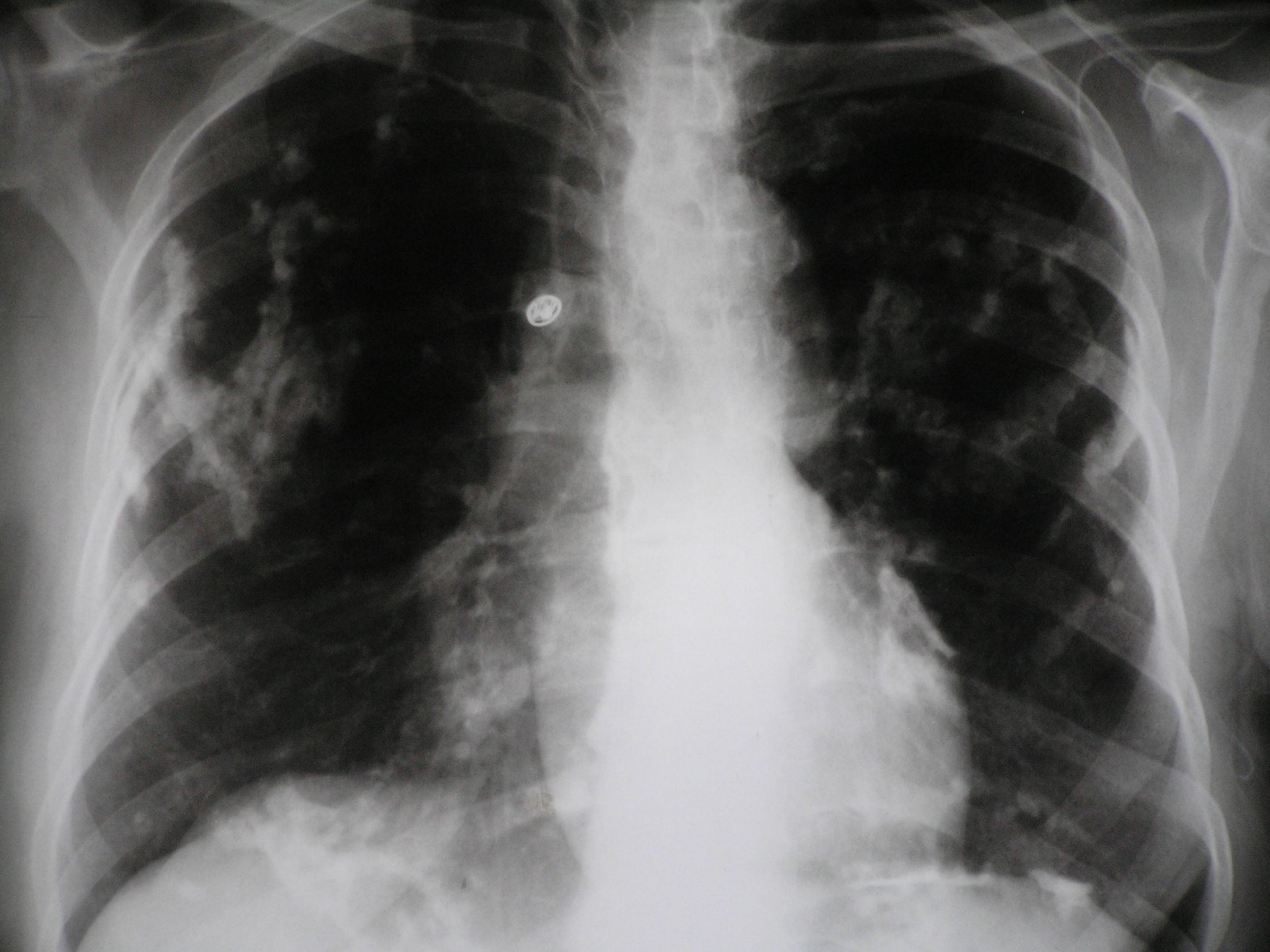
Dr. M. ALKHAYER MD. FRCP(UK)

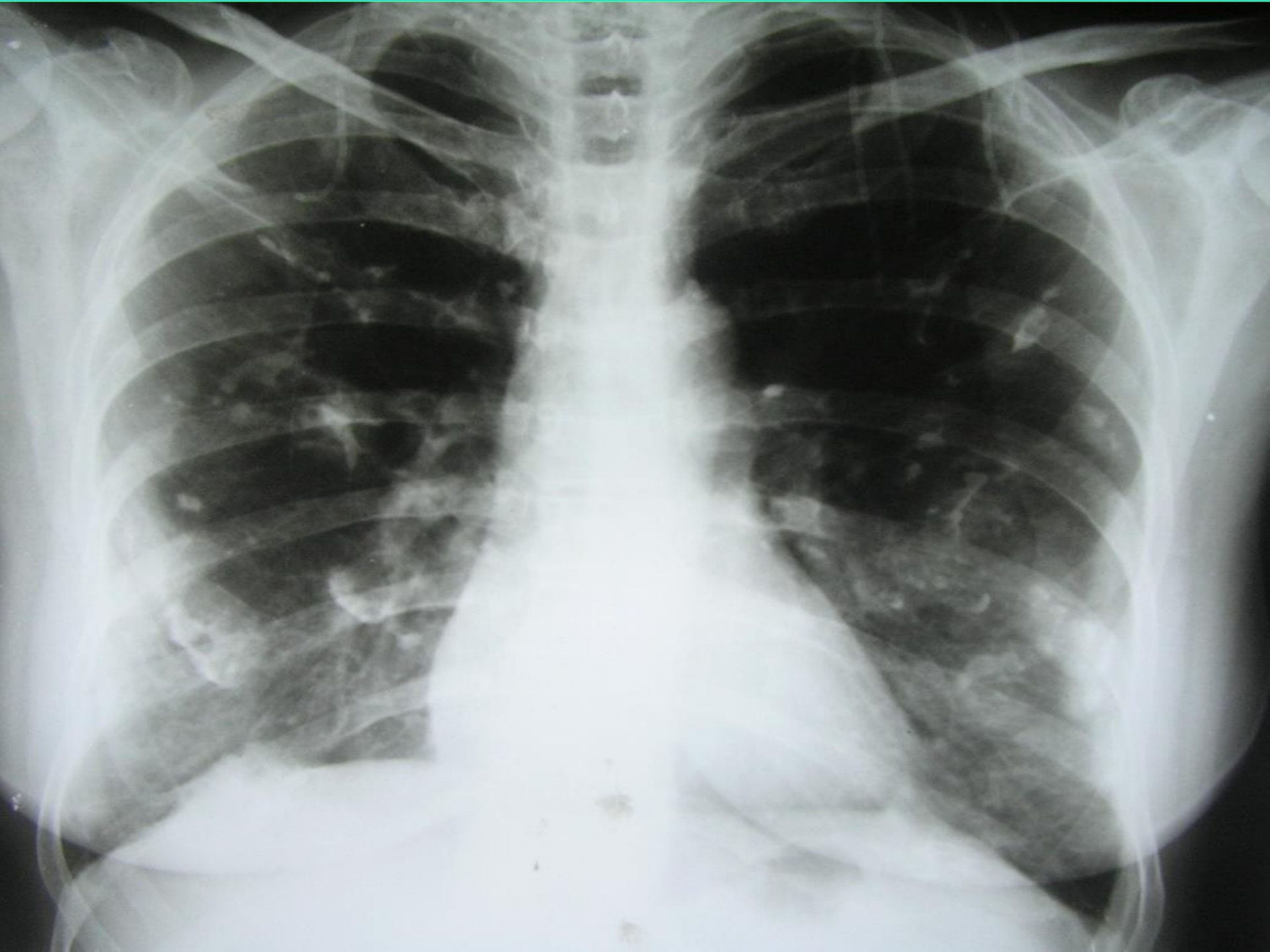
Benign Pleural Disease

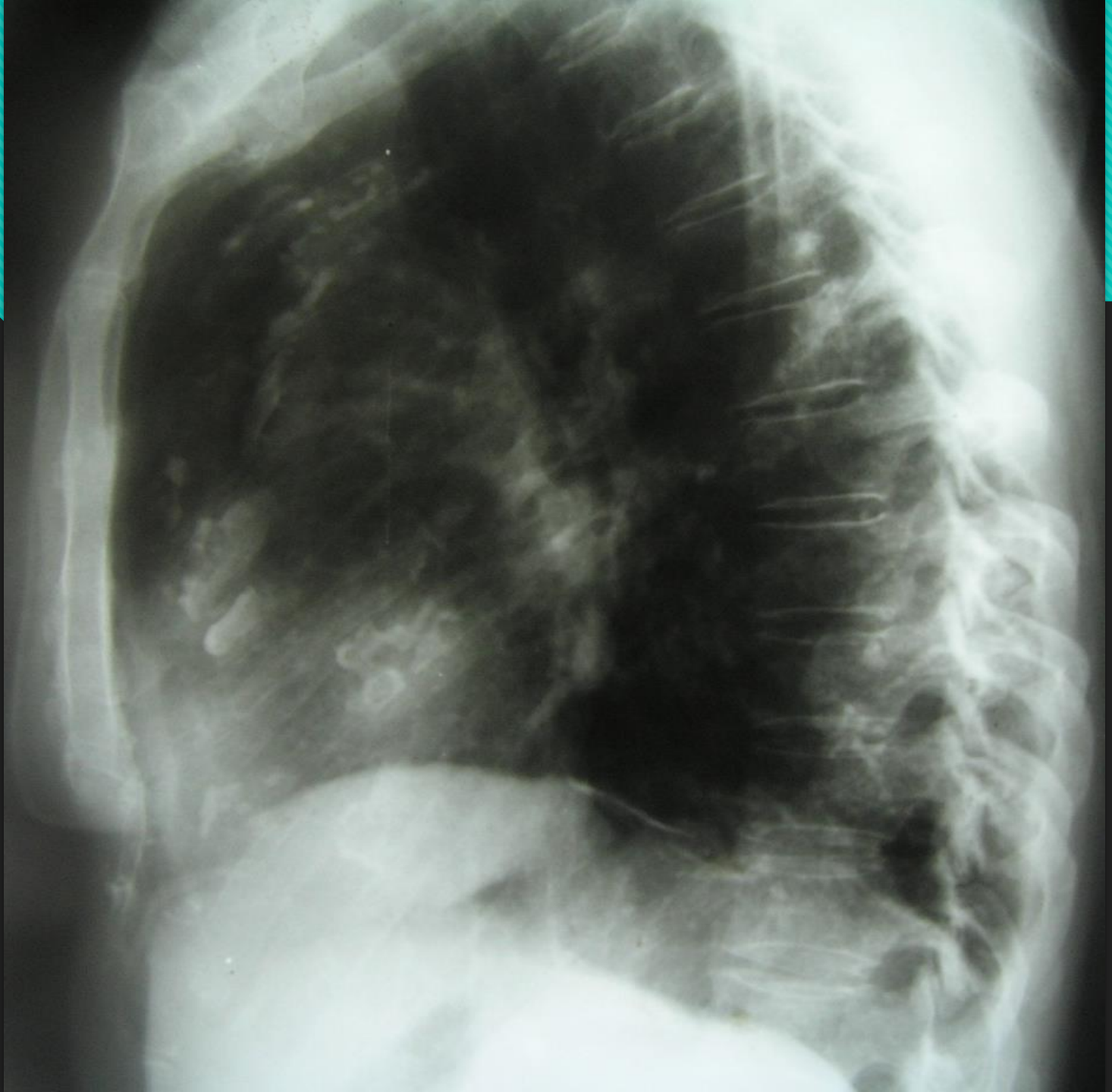
- Pleural plaques
- Non-malignant asbestos pleural effusions
- Diffuse Pleural thickening

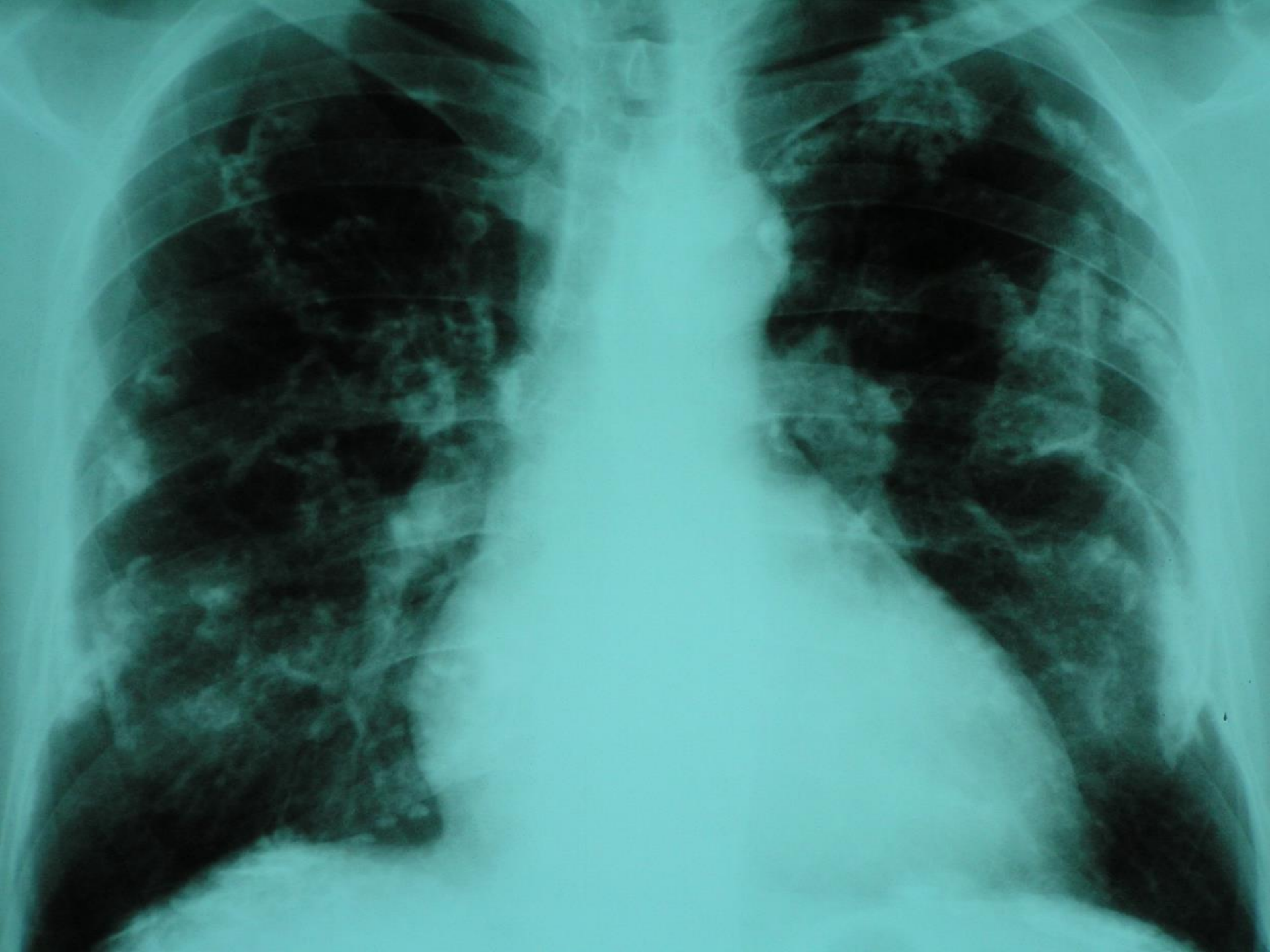
Pleural plaques

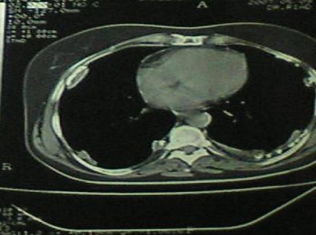
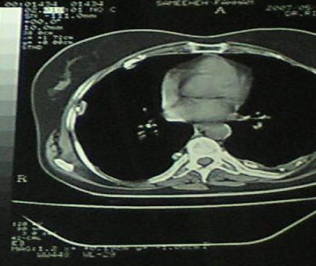
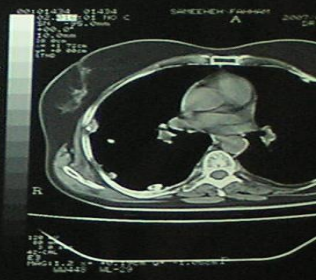
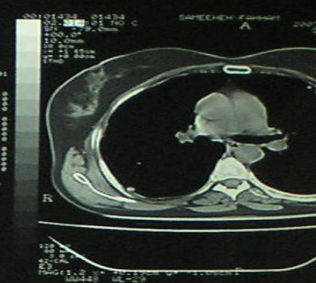
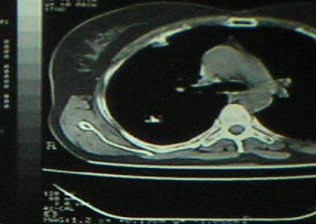
- People are living in areas where the soil is contaminated with asbestiform minerals (Turkey, Greece and Bulgari)
- Occurs following much lower doses of asbestos exposure than in other forms
- Located bilaterally on the parietal pleura











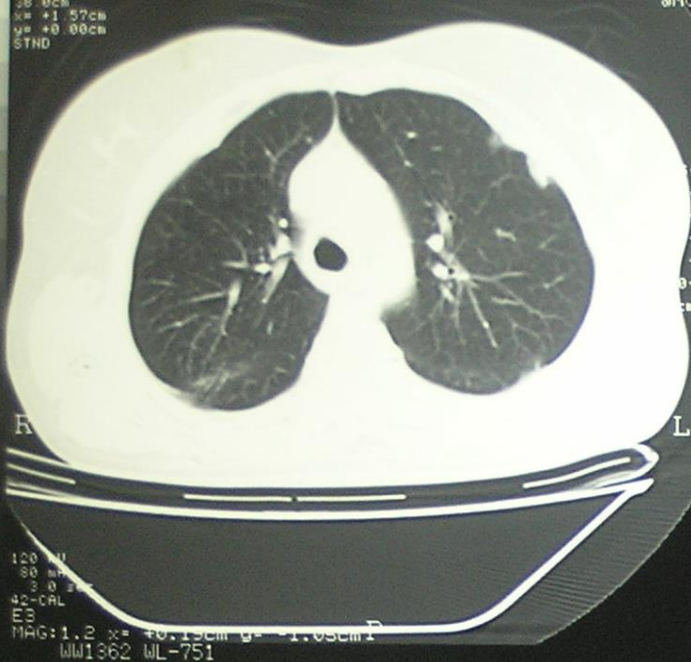


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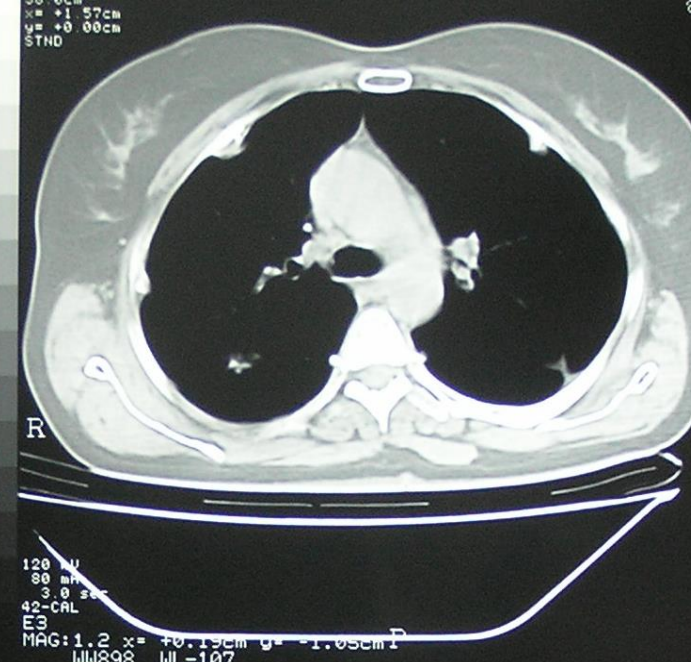


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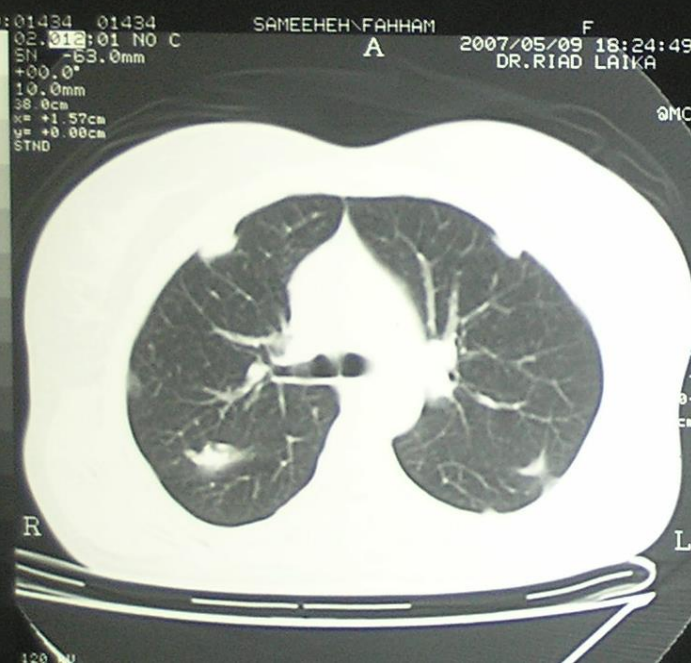


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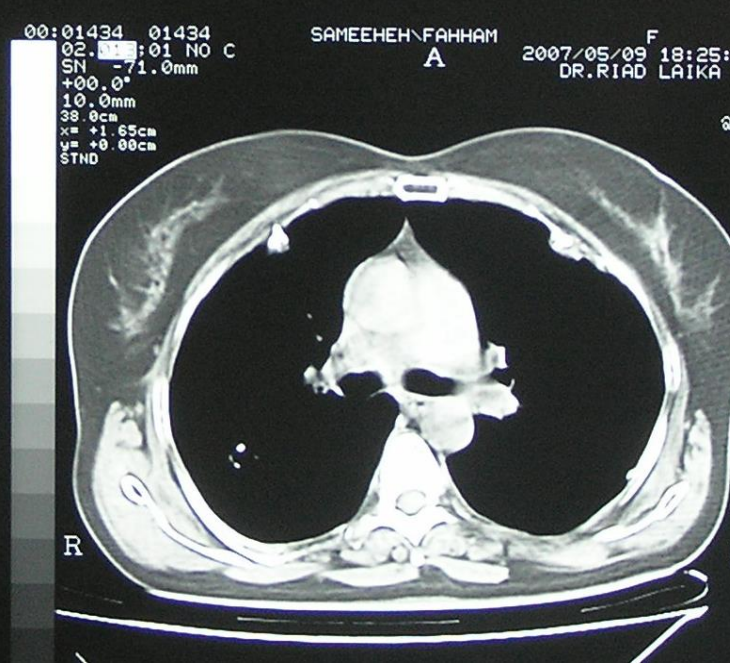


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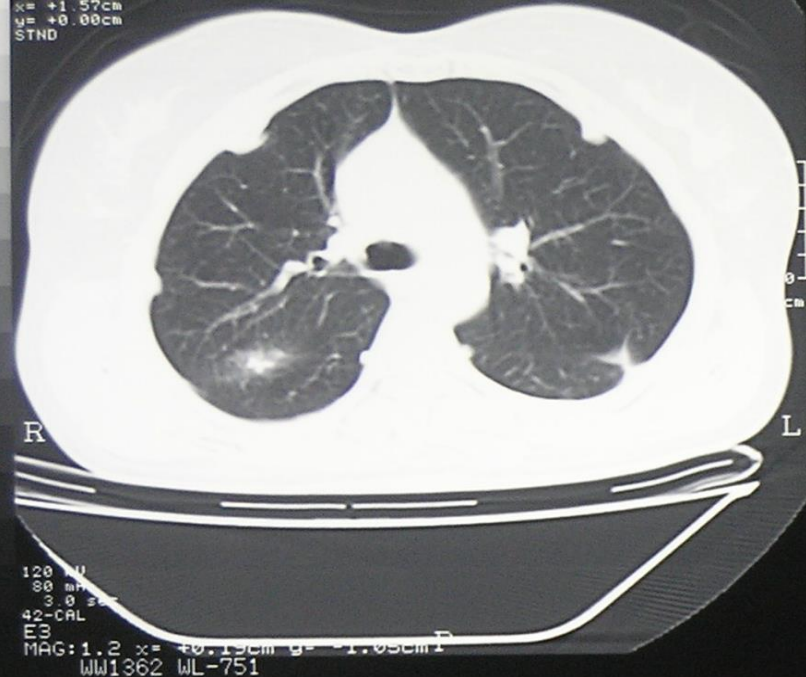


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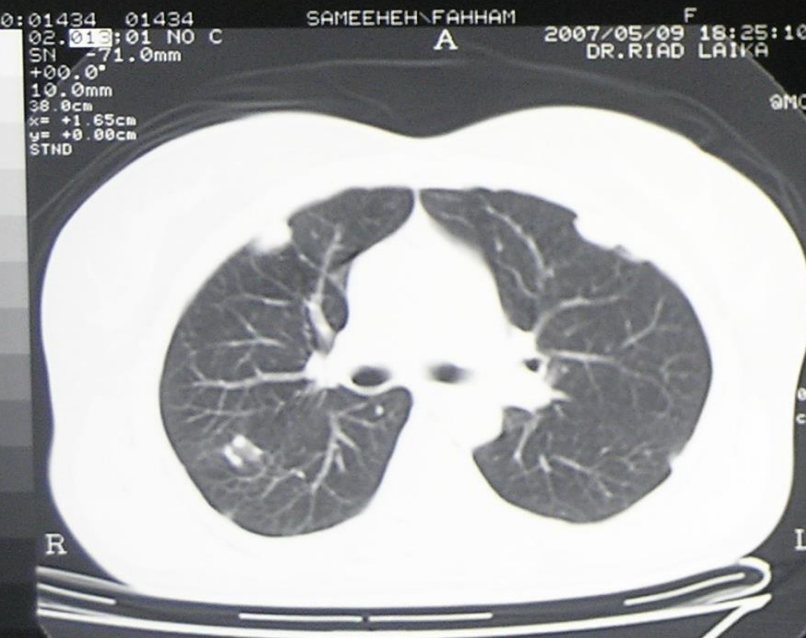
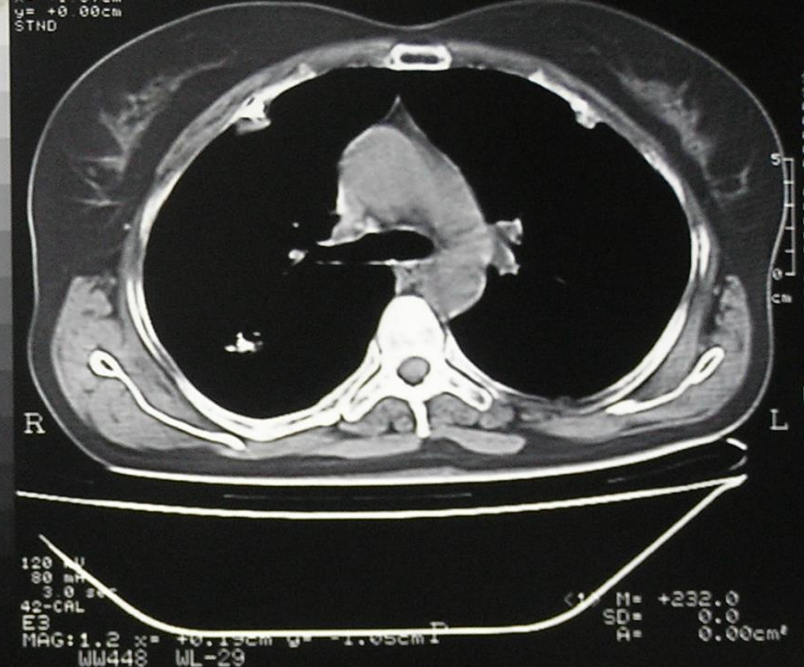
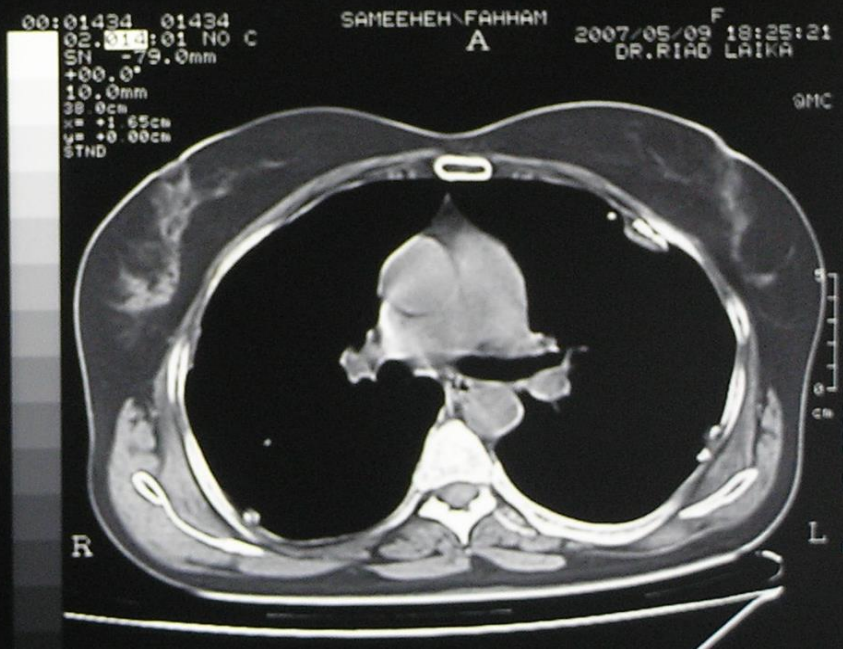


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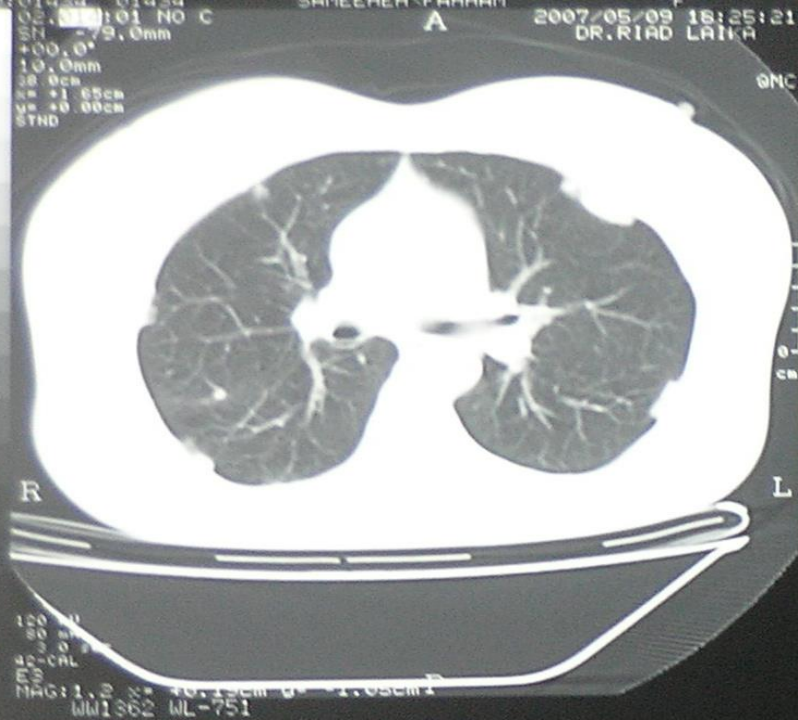


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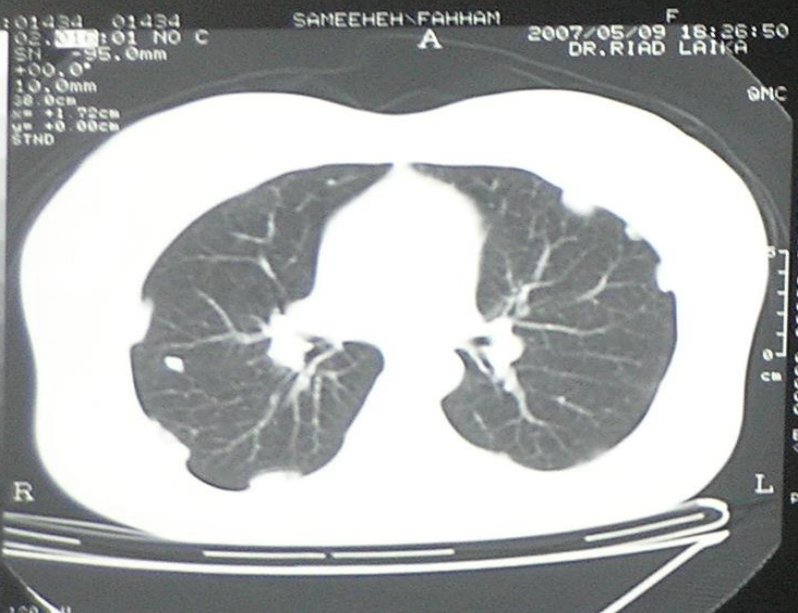
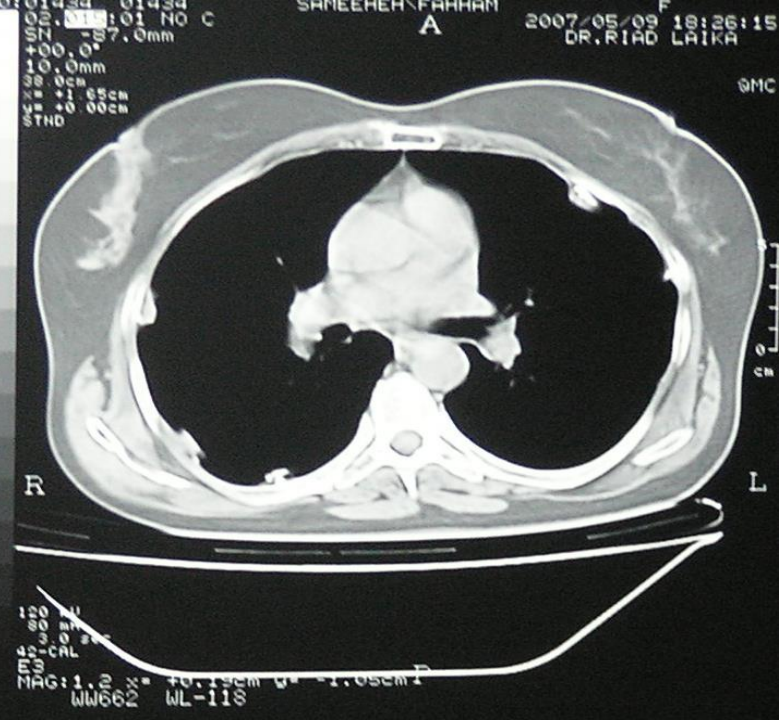
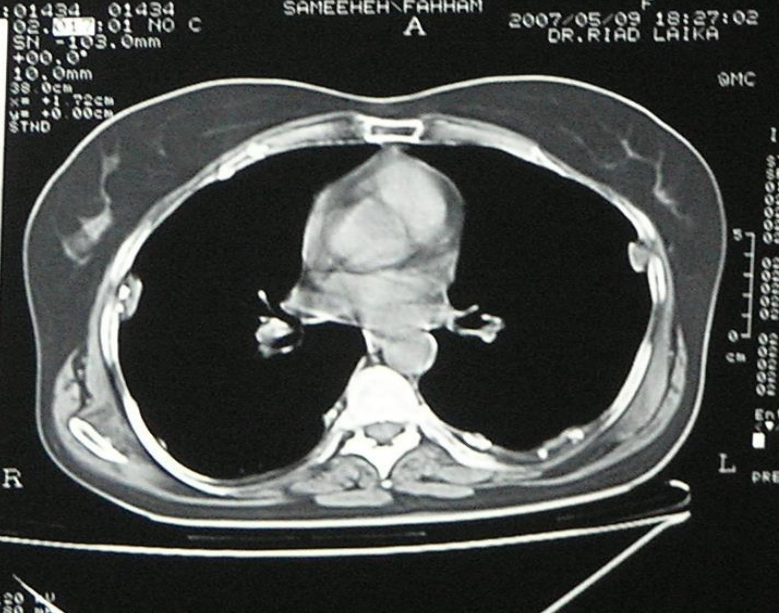


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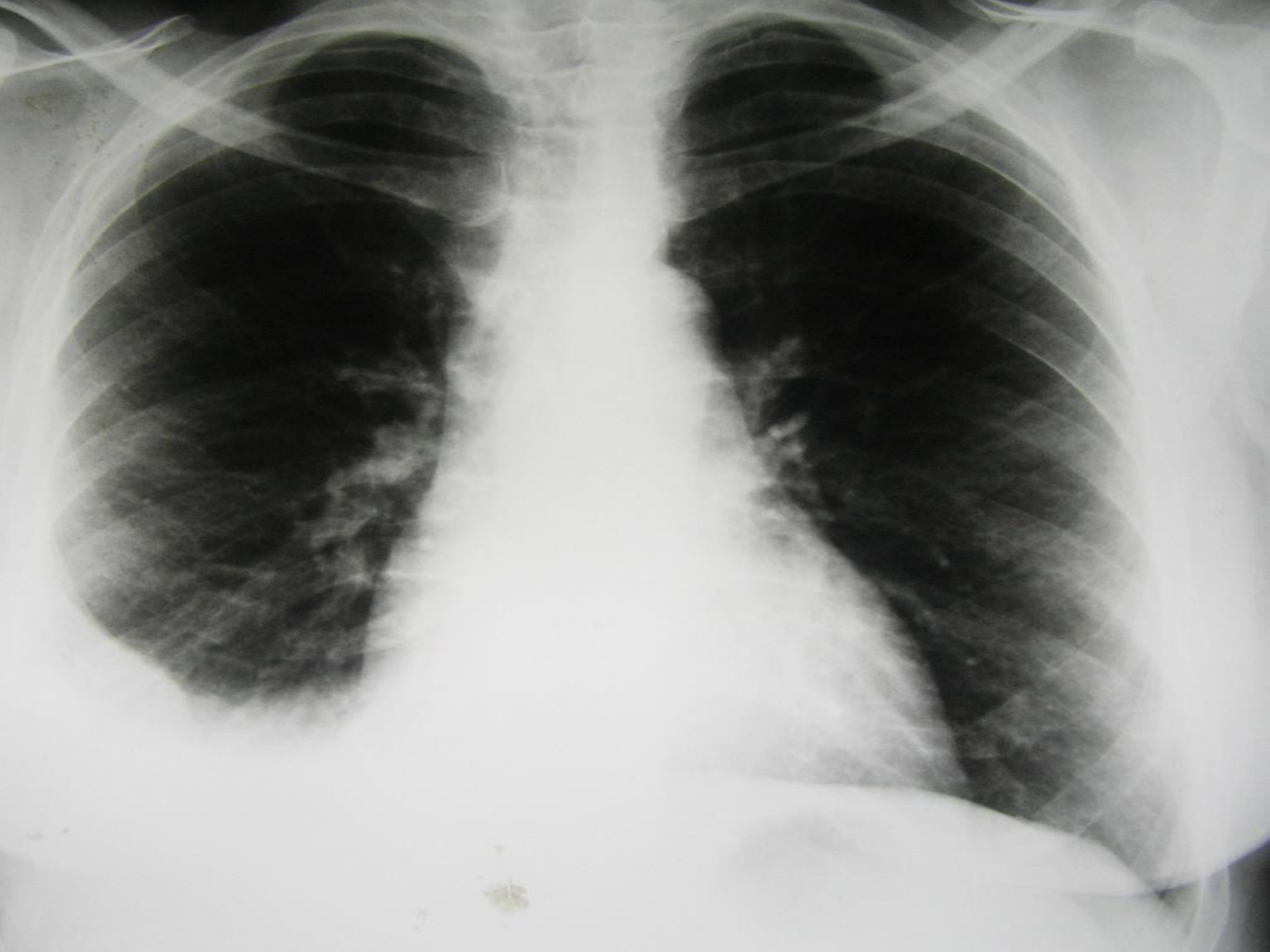
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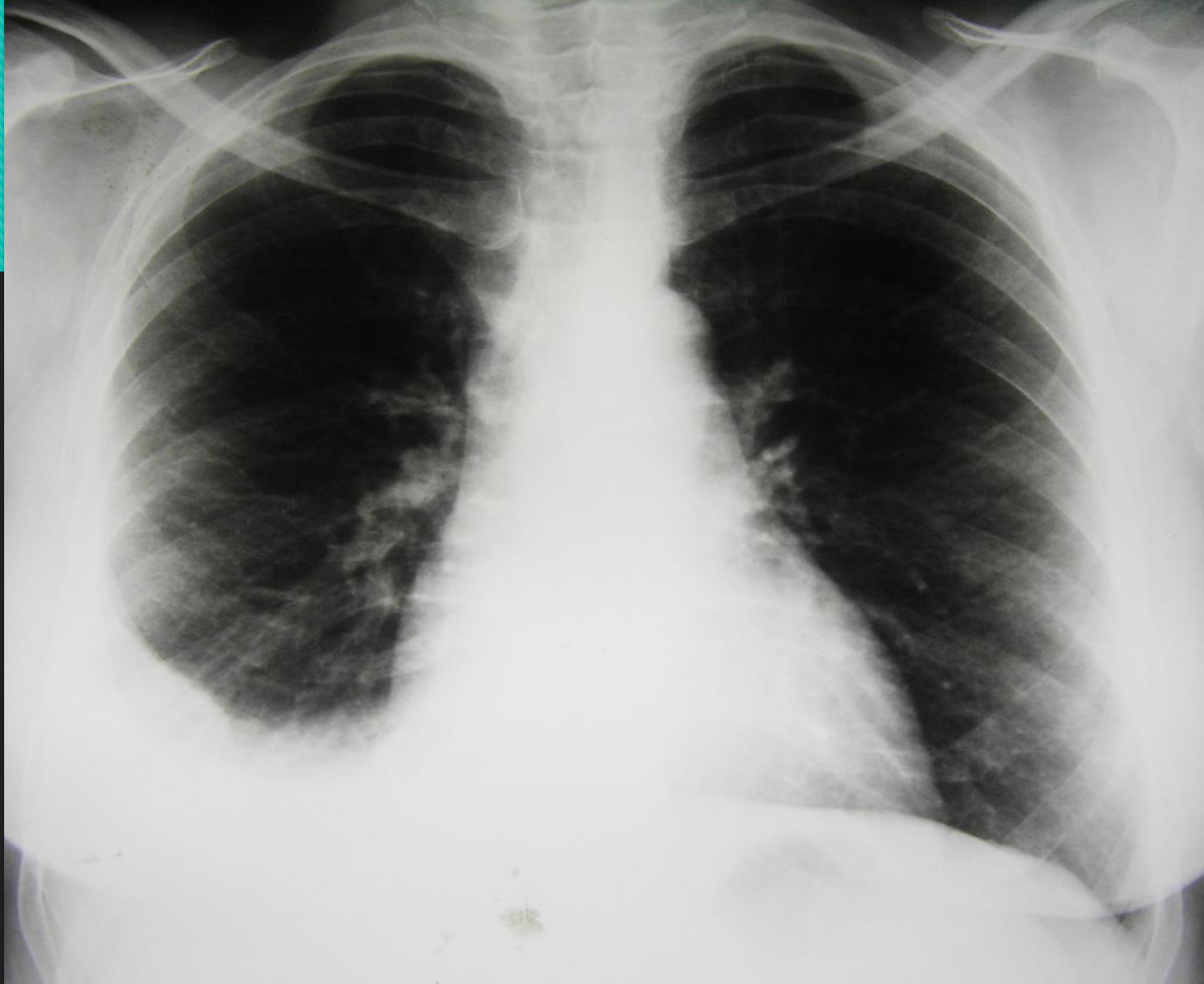
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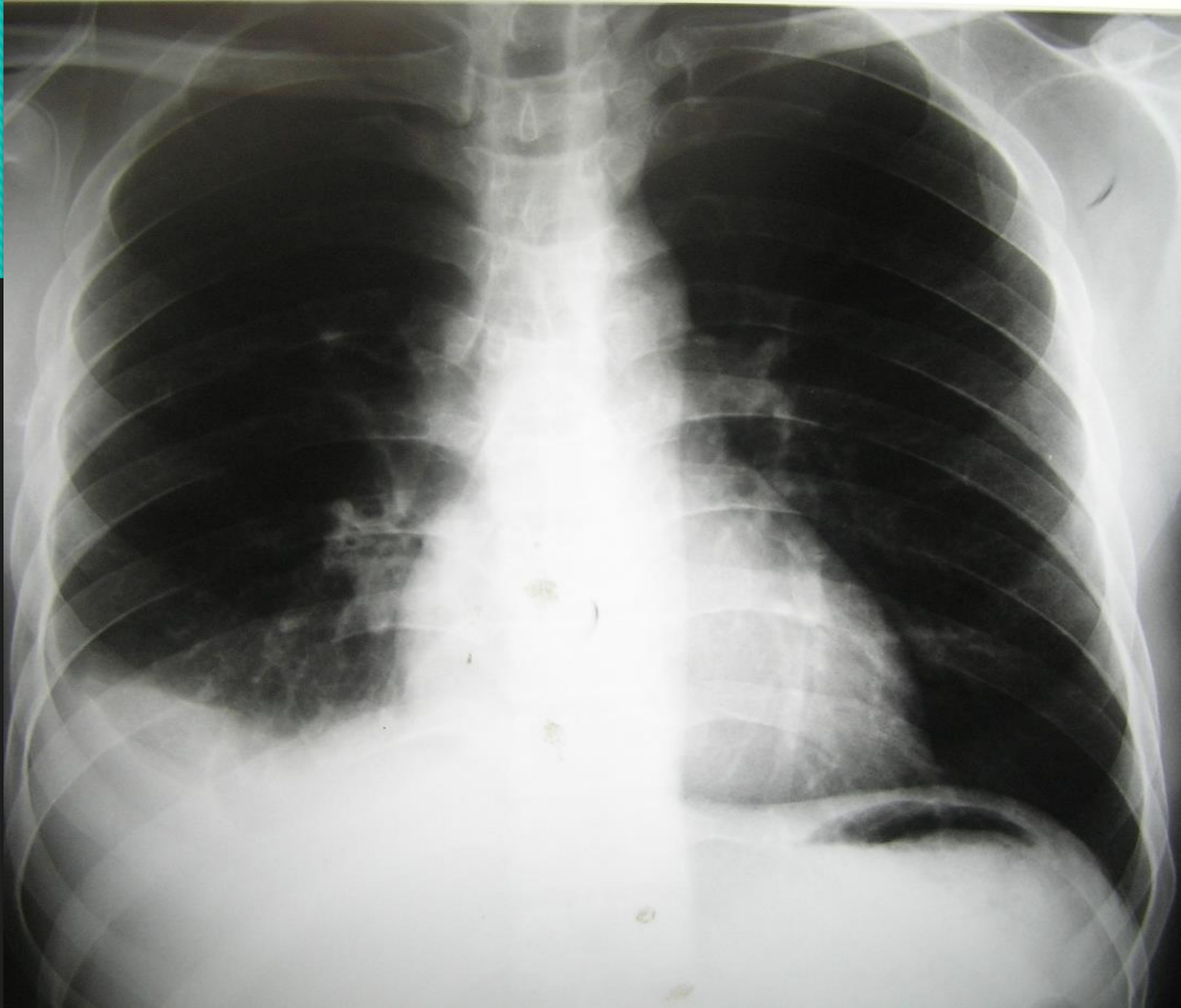
44. $M = +49.0$

Acute Asbestos Benign Pleural effusion

- Exudate
- Bloodstained
- Biopsy: Non specific inflammation and fibrosis.
- Investigations for other possibilities are usually negative.





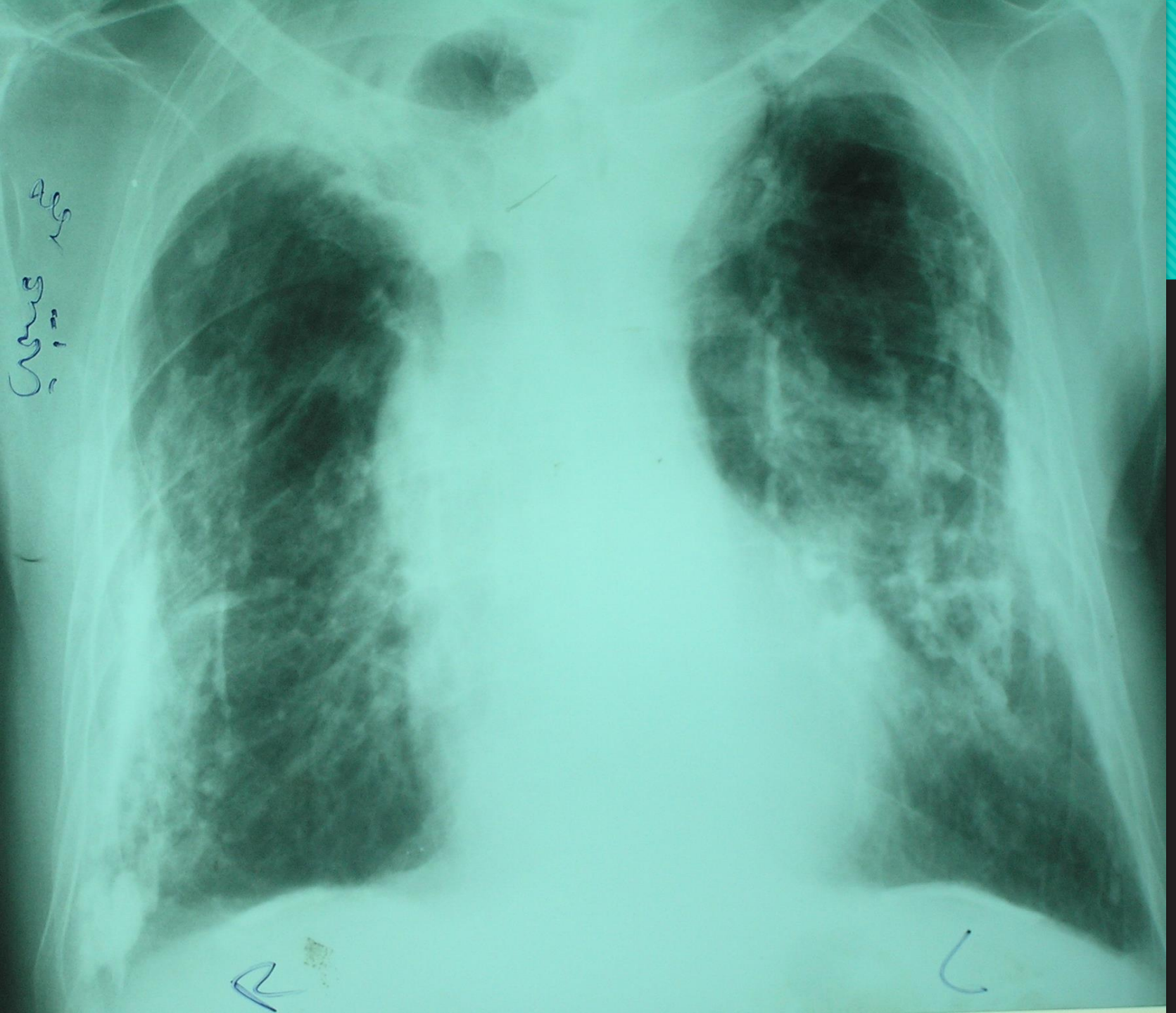


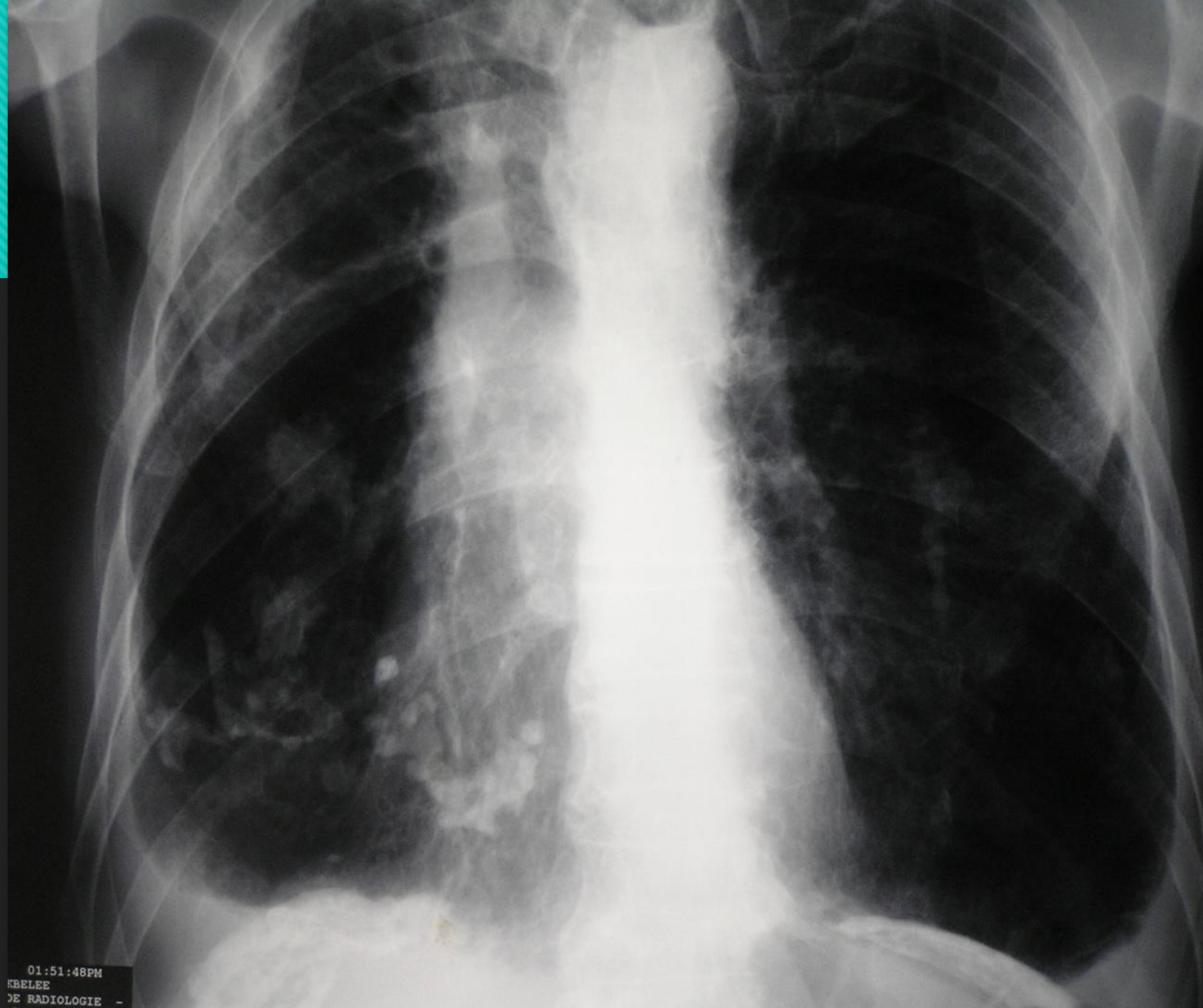
Diffuse pleural thickening

- Resolution of benign pleural effusion, fibrotic healing response with extensive visceral fibrosis.
- Chest pain, dyspnoea and restrictive lung disease.

Diffuse pleural thickening causes

- Asbestos
- Empyema
- Hemothorax
- Chest injury
- Infections: (TB, Pneumonia)
- Pulmonary embolism





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DE RADIOLOGIE -

Malignant diseases

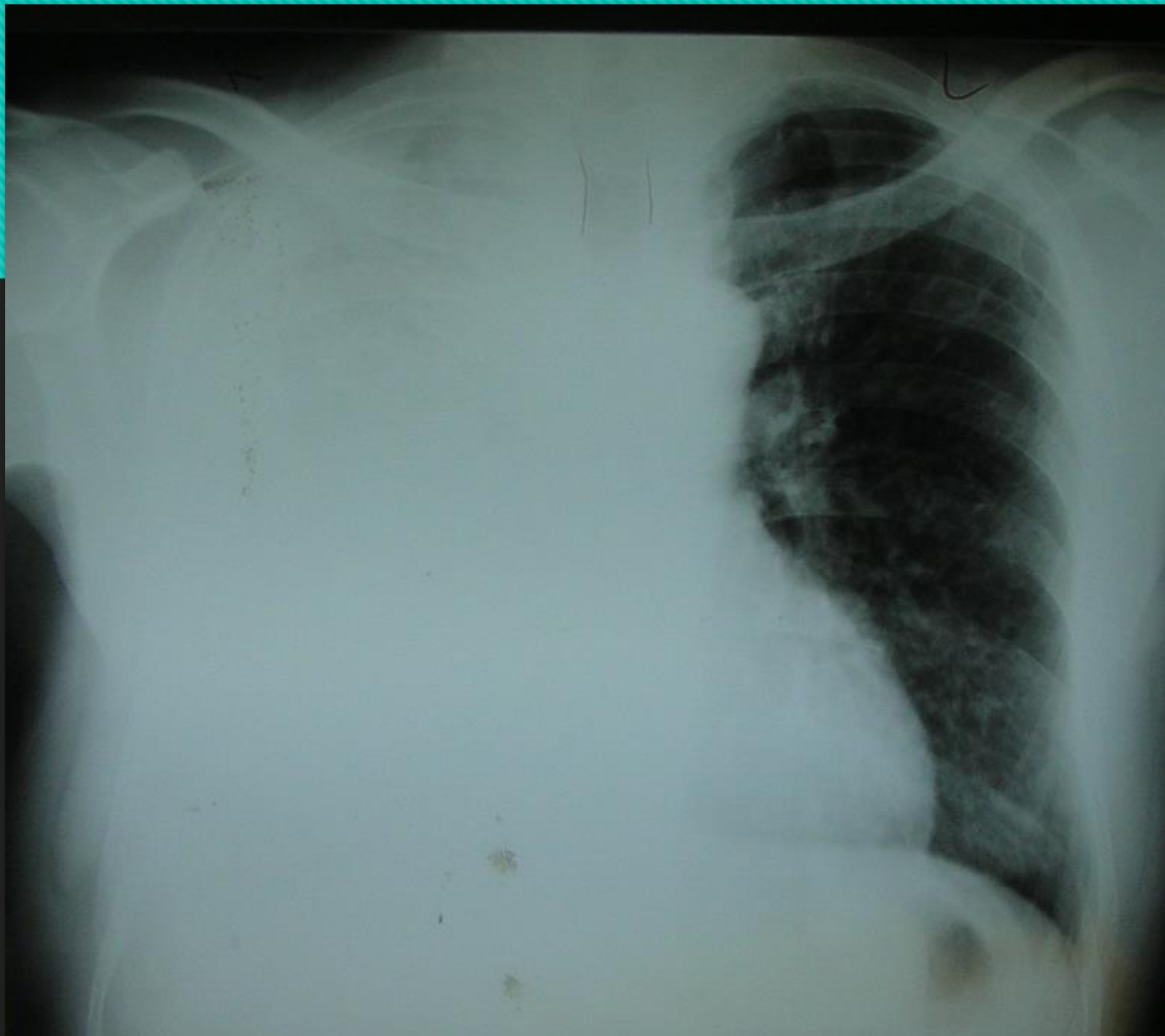
- Mesothelioma
- Lung cancer
- Laryngeal cancer

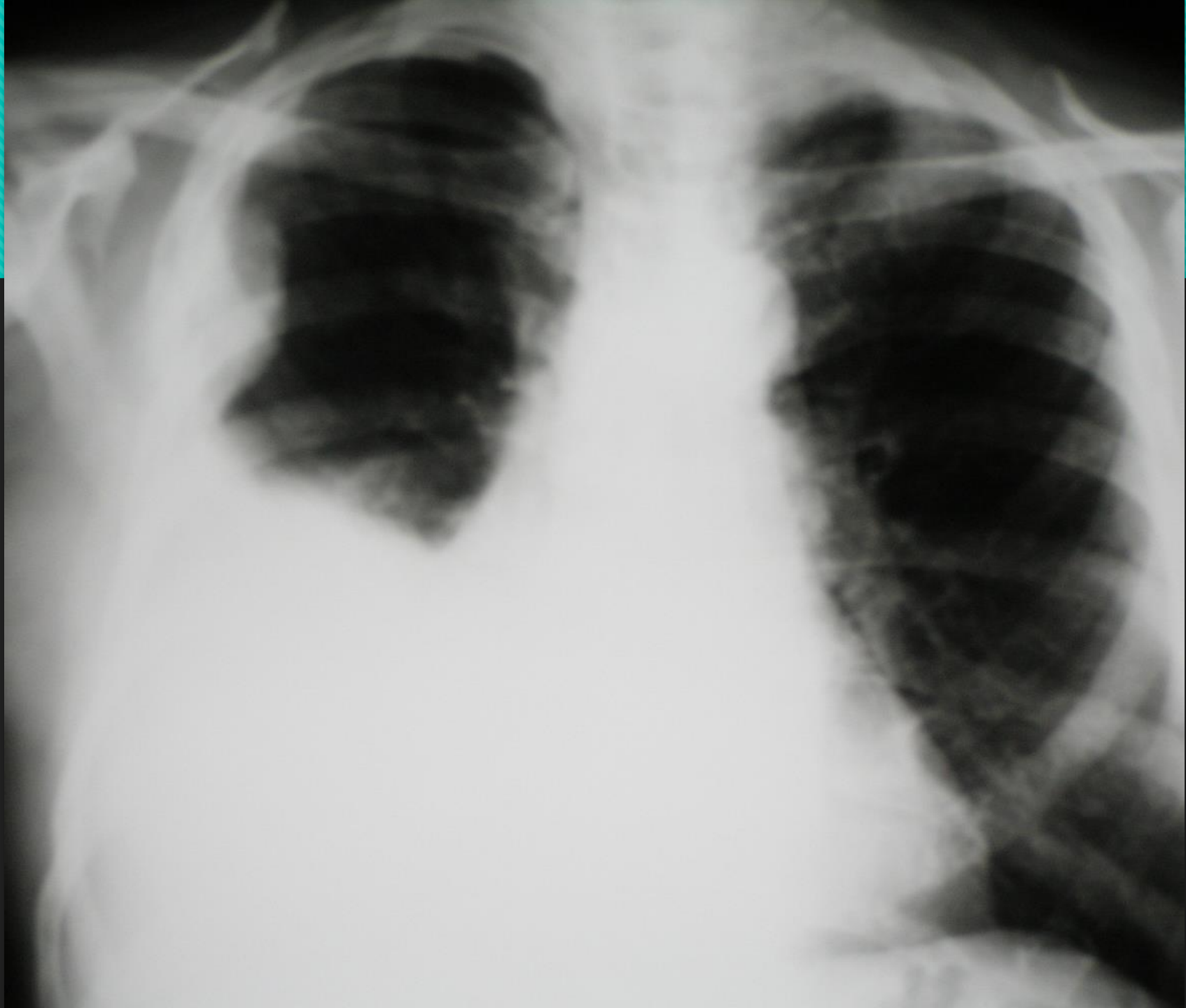
Malignant Mesothelioma

- Pleural
- Peritoneal
- pericardial

Malignant Mesothelioma

- **Histology**: Epithelioid, sarcomatous and biphasic
- Large pleural effusion is found in > 70% of cases.
- **Incidence**: Sarcomatous 10-15%, Epithelioid 70% and 10-15% in biphasic.
- **Clinically**: Chest pain, dyspnoea, cough and weight loss
- **Prognosis**: median survival 14 months





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20
70
mm/1:1

Lung Cancer

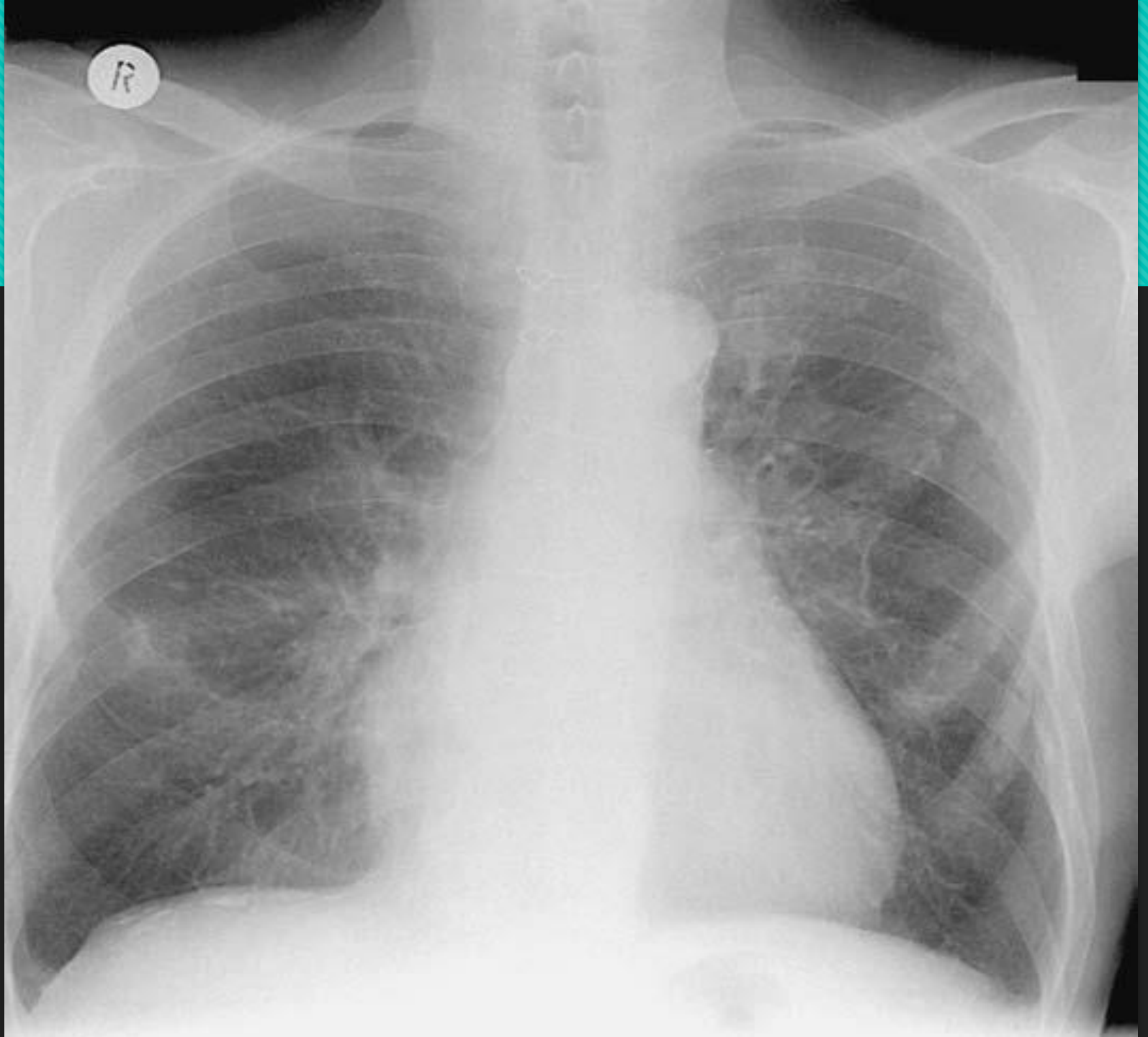
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- Small cell

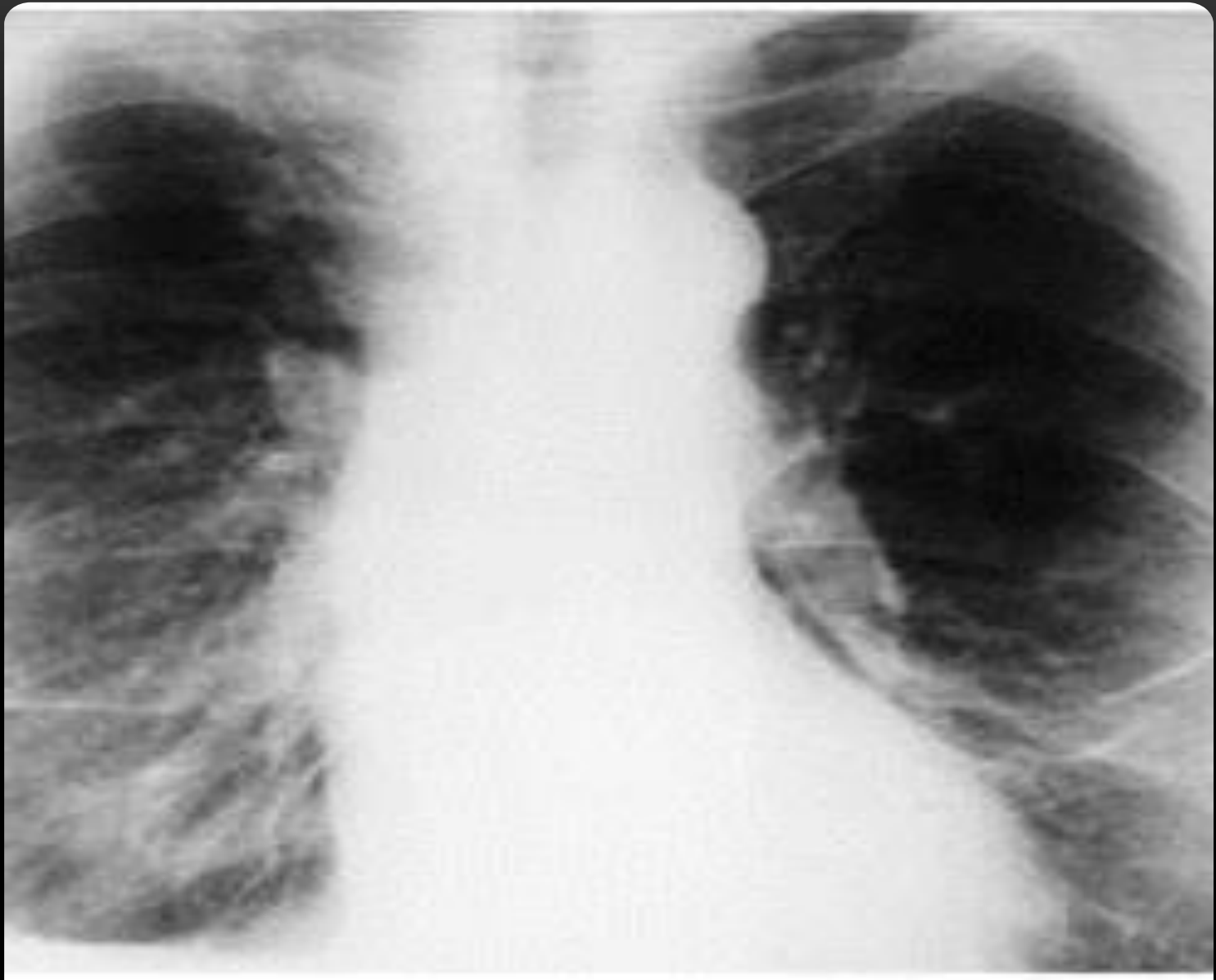
Asbestosis

- Pulmonary fibrosis caused by asbestos dust may or may not be associated with pleural fibrosis
- The interval between exposure and asbestosis is more than 20 years.

Asbestosis

- **Prognosis:** progression to restrictive lung disease, *Respiratory Failure* or *Cor-pulmonale*. It could also be complicated by *Bronchial Carcinoma* or *Mesothelioma*





***IS THERE ASBESTOSE IN
LATTAKIA***

الجمهورية العربية السورية محافظة اللاذقية السياسية



اللاذقية
طرس

PRODUCTS CONTAINING ASBESTOS

- Car clutches
- Break pads
- Cement construction
- Insulation
- Electrical wires
- Sound proofing materials
- Fire proof gloves
- Ship building















- General Association for remote sensing (الهيئة العامة للاستشعار عن بعد) along with Tishreen University of Lattakia are currently working on publishing a study about incidence and prevalence rate of Asbestos related disease in northern Lattakia

