Cardiac: Case 1

Prompt

Please generate a structural report according to these images.





GPT-4V

Findings:

1. Lungs and Pleura:

Both lungs show clear and well-inflated lung fields without obvious consolidation, mass, or pleural effusion. No visible pneumothorax.

2. Cardiomediastinal Contour:

The mediastinal and cardiac contours appear within normal limits.

3.Bones and Soft Tissue:

Visualized osseous structures of the chest show no obvious fractures or lytic lesions. The soft tissues are unremarkable.

4. Other Observations:

The provided images are slightly rotated as evidenced by the misalignment of the vertebral spinous processes with respect to the trachea. This may affect the accurate assessment of the cardiac size and mediastinal structures.

Impression:

- •No acute cardiopulmonary abnormality detected on the provided images.
- •Consider clinical correlation.

Reference answer

- 1. Mild diffuse cardiomegaly with mild central pulmonary vascular congestion in this patient with sickle cell disease.
- 2. Mild diffuse bilateral bronchial wall thickening may be due to reactive airway disease or a chronic finding. Minimal fibro-atelectasis in the right mid lung zone. No focal pneumonia, effusion or pneumothorax. Lungs otherwise clear.
- 3. Mild anterior wedging and biconcavity of some thoracic vertebral bodies, mild diffuse endplate sclerosis and H shaped configuration of the lower-thoracic vertebral bodies on frontal projection.
- 4. Diffuse splenomegaly in the upper abdomen best evident on the lateral view.