Clinical Image

Uncommon Complex Thoracic Anomaly: Costovertebral and Bronchopulmonary Anomalies Accompanying Pulmonary Hypoplasia

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A 28-year-old male presented with chest pain and dyspnea. Radiological evaluation revealed 7th cervical rib on the right, rotoscoliosis in the thoracic vertebral axis, hypoplastic left pulmonary vein and pulmonary artery, left pulmonary parenchymal hypoplasia, and single lobe in left lung (Fig. 1).

Fig. 1. Coronal plane volume rendering (VR) maximum intensity projection (MIP) images (A) reveal 7th cervical rib on the right and rotoscoliosis to the left in the thoracic vertebral axis. Axial plane volume rendering (VR) maximum intensity projection (MIP) sequential CT slices (B and C) show hypoplastic left pulmonary vein and pulmonary artery. Minimum intensity projection coronal CT scan (D) shows superior and intermediate bronchi of three lobes on the right, and a single unbranched bronchus of one lobe on the left and narrowing of the main bronchus. LMB: left main bronchus; LPA: left pulmonary artery; LPV: left pulmonary vein; RCC: right cervical costa.

Conflict of Interests

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References


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