Communicating Bronchopulmonary Foregut Malformations: A Case Report of Anomalous Origin of the Right Main Bronchus from the Esophagus

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Abstract

A case of anomalous origin of the right main bronchus from the esophagus that is a type of communicating bronchopulmonary foregut malformations in a 3-month-old infant is presented. He was transferred to the Queen Sirikit National Institute of Child Health with the diagnosis of pneumonia and suspicious of foreign body aspiration. Rigid bronchoscopy, chest roentgenogram and ultrasonography of the right chest were performed. Barium swallowing showed a communicating fistula between the lower esophagus and the main bronchus of the right lung. Aortography demonstrated systemic blood supply of the right lung. The fistula was excised and esophagus was repaired. Right pneumonectomy was performed. Postoperative course was uneventful. Accurate preoperative imaging diagnosis is essential for planning surgical treatment of this anomaly.