



Aorto-Pulmonary Window and Anomaly of the Origin of the Left Pulmonary Artery Trunk

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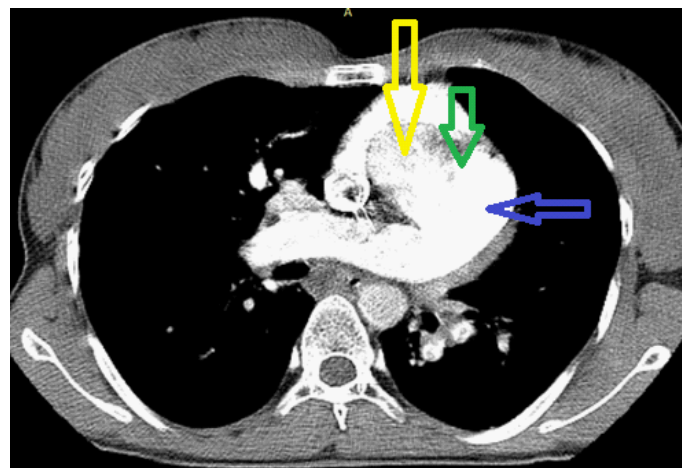
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Keywords: Aorto-pulmonary window; Angio CT-scan; Rare CT-scan; Computer tomography scans.

Clinical Image description

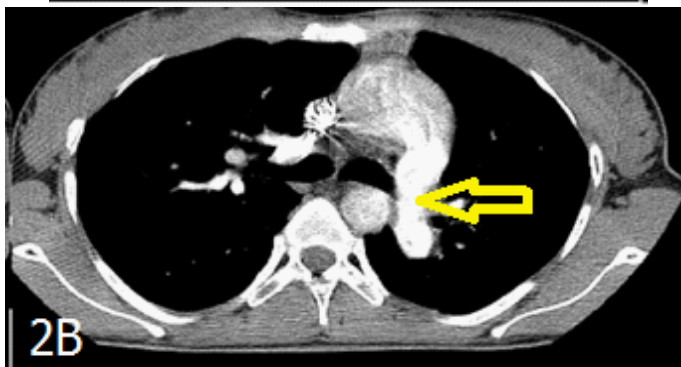
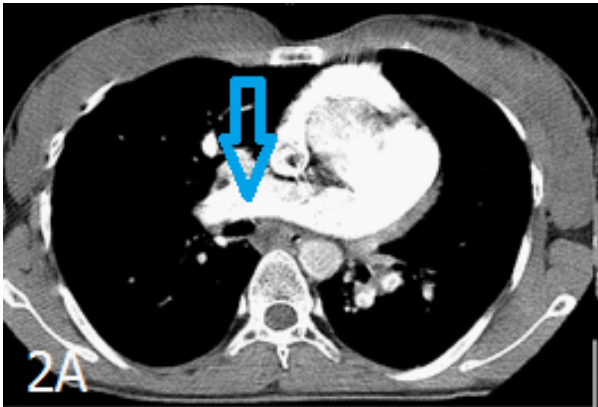
This imaging case is about a rare case of Aorto-pulmonary window [1] and anomaly of the origin of the left pulmonary artery trunk, discovered on Angio-CT scan in a 29 years old woman.

The Axial view of the Angio CT-scan showed a communication between the ascending Aorta and the pulmonary artery trunk (Figure 1).

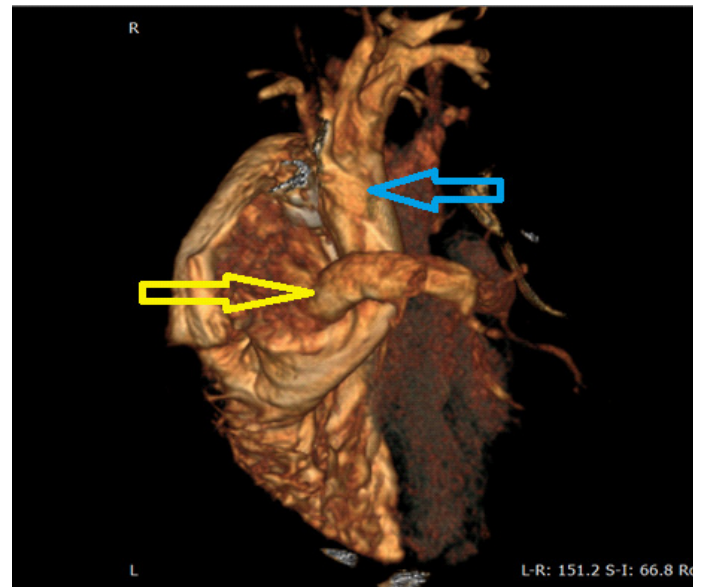


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The axial views for comparison show the two branches have their own origin (Figure 2A and 2B) and the pulmonary artery trunk give directly the right trunk. There is no bifurcation between the right and the left pulmonary artery. The right had a modal origin from the right ventricular and conserved the curve direction (2A) but the left, lost is curve appearance and go straight on the posterior (2B).



About this origin, on the volume reconstruction, the left pulmonary artery trunk comes from the right auricular (Figure 3).



References

1. Mongillansky D, Munoz R, Morell VO. Aortopulmonary window. Critical of children with heart disease: Basic Medical and Surgical Concepts. Springer-Verlad London. Springer, 1st Edition. 2010; 18: 191-197.