

Case of the day : Case 2 - CVS

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Case of the day : CVS





What is the most likely diagnosis?

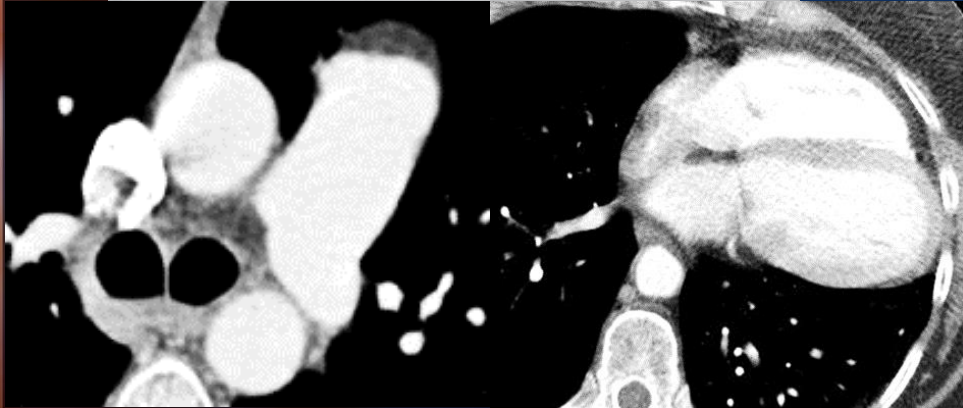
A. d-TGA

B. l-TGA

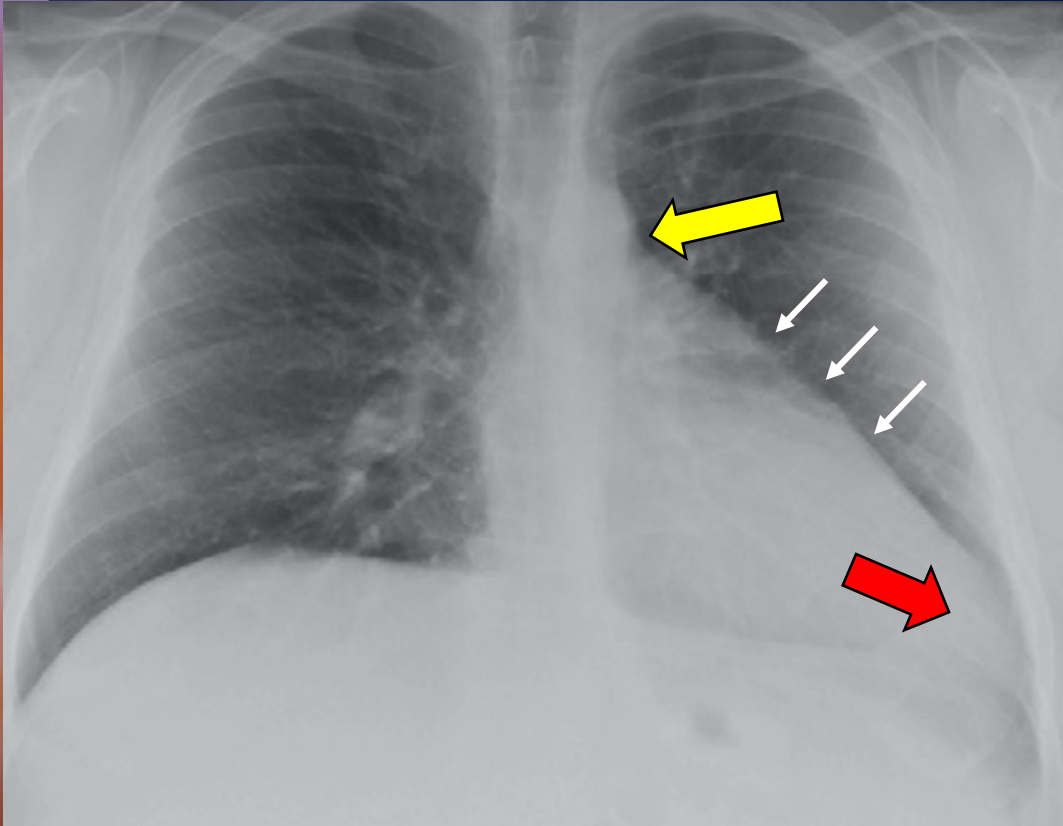
C. Congenital absence of pericardium

D. ASD

E. Left ventricular aneurysm

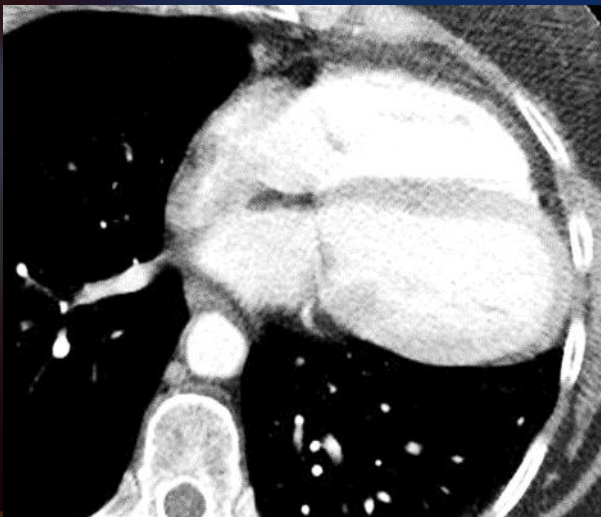


FINDINGS



- Prominent appearing aortopulmonary window due to a tongue of the lung between the aorta and the pulmonary artery.
- Levopositioning of the heart without tracheal deviation and absence of the right heart border.
- Straightening and elongation of the left cardiac border.

FINDINGS



- A deep and prominent aortopulmonary window with interposing lung tissue between the aorta and pulmonary artery due to a lack of a surrounding pericardium.
- Also referred to as the tongue of lung in the AP window which is a pathognomonic feature of this congenital anomaly.
- Levopositioning and slight levorotation of the heart.

FINDINGS



- A deep and prominent aortopulmonary window with interposing lung tissue between the aorta and pulmonary artery due to a lack of a surrounding pericardium.
- Also referred to as the tongue of lung in the AP window which is a pathognomonic feature of this congenital anomaly.

Diagnosis

- Partial absence of pericardium



Point of Learning : Congenital absence of pericardium

- Rare : prevalence of 0.002-0.004%
- Partial absence of pericardium is more common than complete type.
- 30-50% are associated with other congenital cardiac or pulmonary abnormalities eg. ASD, PDA, TOF.
- Usually asymptomatic
- Complications eg. left atrial appendage herniation, compression of coronary arteries.



References

1. ภาพวินิจฉัยขั้นสูงของระบบหัวใจและหลอดเลือด (Advanced Diagnostic Cardiovascular Imaging) 2018 (First Edition) ใน นฤมล เซาว์สุวรรณกิจ บรรณาธิการ.
2. Kim HJ, Cho YS, Cho GY, Choi SI. Congenital absence of the pericardium. J Cardiovasc Ultrasound 2014;22(1):36-9.
3. 9. Bogaert J, Francone M. Pericardial disease : value of CT and MR imaging. Radiology 2013;267(2):340-56.

