

Interesting Images 3

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A 16 year old boy that was found to be cyanosed after birth and diagnosed with Tetralogy fallot and pulmonary atresia referred to our adult congenital heart disease clinic with a history of palliative surgery in childhood and recent dyspnea on exertion, New York Heart

Association (NYHA) functional class III. He was cyanosed with marked clubbing of the fingers and toes. Oxygen saturation in room air was %64.

Based on the Cardiac CT image, **what is the diagnosis?**



Answer:

Occluded left BT shunt

Editorial comment:

Image reconstruction by volume rendering and editing software create 3D images with removed overlying structure that adequately visualize structure of interest. The 3D reconstructed image seems attractive regarding the ease of interpretation but it is essential to know the limitation of reconstruction technique and it is important to continually refer back to the 2D axial data set before making a diagnosis(1).

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References

1. Budoff M., Shinbane J. *Handbook of cardiovascular CT: Essentials for clinical practice*, 2008.

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