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Surprising finding of right-to-left shunt revealed with computed tomography angiography

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A 2-year-old boy presented to our inpatient department with a history of recurrent lower respiratory tract infection and central cyanosis. His systemic saturation was between 75–80%. Transthoracic echocardiography revealed no structural heart defect except for massive flow via dilated right pulmonary vein. Performed computed tomography angiography confirmed presence of this type of anomaly (Fig. 1). What is the diagnosis?

Answer

You will find the answer elsewhere in this issue.

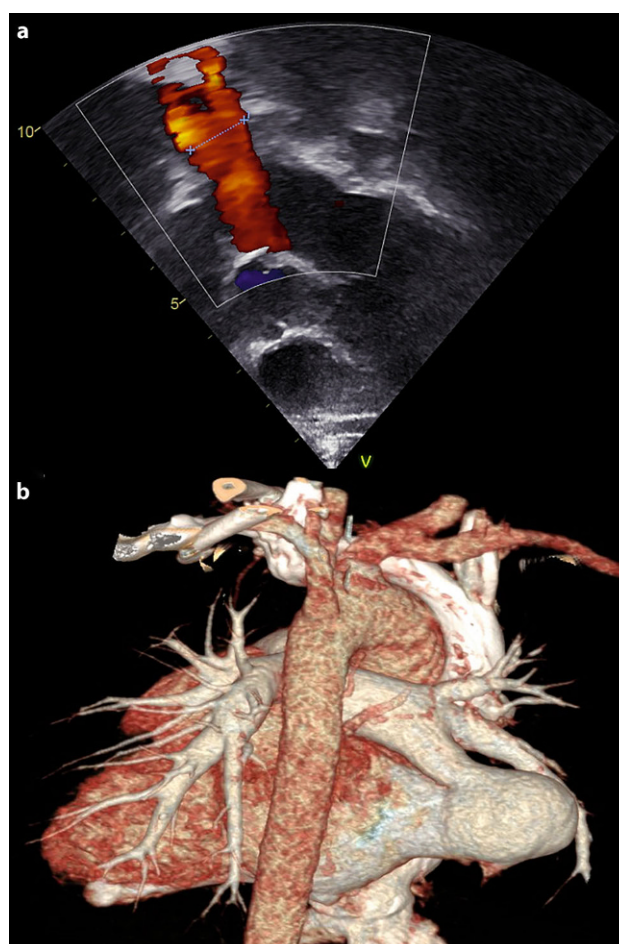


Fig. 1 a Colour Doppler study showing massive pulmonary vein flow from the right pulmonary vein. b Volume rendering technique reconstruction of performed computed tomography angiography with surprising finding

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Author Contribution M. Kardos was the major contributor in writing the manuscript and was also involved in drafting the manuscript. All authors read and approved the final manuscript.

Conflict of interest M. Kardos, M. Sagat, M. Kaldararova, P. Tittel and M. Nosal declare that they have no competing interests.

Ethical standards Permission to publish this case report was obtained from the parent(s) of the subject patient.

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