

Clinical Images





Double mitral apparatus

Clinical image

Doubling the mitral valve is a rare congenital heart defect. It is Characterized by the presence of two smaller mitral apparatus, Generally attachment system, is located in the anterior mitral cusp, separated by a fibrous tissue. The explanation of the change in the embryological development is accepted by an abnormality in the development between the ventral or dorsal medial tubers pad with side. ^{2,3}

Usually they associated with aortic aneurysm, bicuspid aortic valve, aortic coarctation, subaortic stenosis, patent ductus arteriosus, abnormal interatrial and interventricular septum. They may evolve failure and / or mitral stenosis. (Figures 1–4)

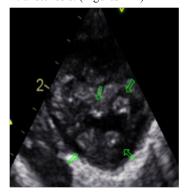


Figure I Parasternal short axis.



 $\textbf{Figure 2} \ \ \text{Parasternal short axis.} \ \ \text{Presence of 4 muscle Papillary.} \ \ \text{Double mitral orifice.}$

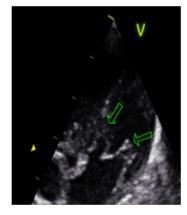


Figure 3 Long Axis 5 cameras.

Volume 11 Issue 5 - 2018

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Received: August 22, 2018 | Published: September 05, 2018

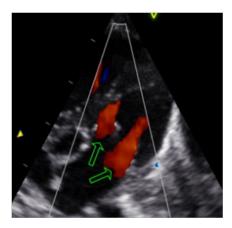


Figure 4 Long Axis 5 cameras. Double mitral apparatus. Mitral presence of two flows.

Echocardiography is essential for the diagnosis, treatment and follow-up.⁴⁻⁵ We present a newborn preterm, low birth weight, the doppler echocardiogram applying for breath. echodopplercardiogram is performed evidencing patent foramen ovale with shunt from left to right, moderate muscle septal shunt left to nonsignificant right, double mitral apparatus, permeable, no records diastolic gradient and mild impairment of both, patent ductus arteriosus, big, not restrictive and overactive.

Acknowledgements

None.

Conflict of interest

The author declares that there is no conflict of interest.

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