My Most Interesting Case

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Case One

Transcatheter Intervention of a Residual Interventricular shunt ten years after DORV/TOF Surgical Repair
Case Profile

He’s a 13-year-old boy with BW of 34.0Kg and height of 158cm, BSA 1.26 m² III/6 systolic murmur in the 3rd left intercostal space and II/6 diastolic murmur in the 2nd left intercostal space; Sweatness after exercises.

Echo: Slightly increased RV with mild TR and moderate PI; a 4mm residual left-to-right interventricular shunt, No residual pulmonary stenosis.

ECG: Hypertrophied RV and ICRBB.

Chest X-ray film: CTR 0.53; Normal pulmonary markings without congestion.

Cath & Angio: A residual interventricular shunt of 4 mm without pulmonary stenosis; RVSP 36ED9, PASP 31/10(16), Qp/Qs 1.49, PVR 1.8Wood. U.m⁻².
An 8 mm symmetrical VSD occluder, Lifetech, China
Case Two

Transcatheter Intervention of a Perimembranous VSD with Two Occluders
He’s a 4-year-old boy with BW of 18.0Kg and height of 108cm, BSA 0.71 m²
III/6 systolic murmur in the 3rd left intercostal space;
Sweatness after exercises and inclination to respiratory infection

Echo: a multi-orifice perimembranous VSD with increased LA and LV, mild TR

ECG: Hypertrophied LV and LA

Chest X-ray film: CTR 0.60; pulmonary congestion

Cath & Angio: A multi-orifice VSD in RV; PASP 36/9(17), Qp/Qs:1.6:1, PVR 1.6Wood.U.m⁻².
An A4B2 7-mm VSD occluder, Lifetech, China
A 4 mm symmetrical VSD occluder, Lifetech, China
Thanks for your attention!