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| 14 months of age26 years old32 years old34 years old (7/2/2014) | * Underwent Mustard operation for correction of D-TGA.
* Heart failure symptoms started, cardiac MRI showing RVEF 55%, RVEDV 221 ml, and CO 4.6 L/min.
* Repeat cardiac MRI showing RVEF 41.9%, RVEDV 423.6 ml, and CO 3.9 L/min.
* Worsening shortness of breath with exertion. Right heart catheterization showing MPAP 52 mmHg, PVR 5.5 WU.
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| 34 years old (at presentation)34 years old (11/3/2014)36 years old (5/27/2016)37 years old (2/1/2017)38 years old till present | * Patient presented in cardiogenic shock requiring inotropic support.
* HeartWare HVAD® was implanted for systemic right ventricular support.
* He was successfully discharged on post-operative day 22.
* Symptoms improved; he was able to walk more than one mile daily.
* Repeat catheterization showed complete normalization of PVR at 1.5 WU, MPAP of 27 mmHg, and a CI of 3 L/min/m2.
* Symptoms further improved.
* Repeat catheterization showed complete normalization of PVR at 1.5 WU, MPAP of 14 mmHg, and a CI of 2.2 L/min/m2.
* Patient was listed for cardiac transplantation.

* A suitable donor was identified.
* Patient underwent VAD extraction and orthotopic heart transplantation.
* Discharged on post-operative day 25.
* Symptoms continued to improve (New York Heart Association class I) and the patient’s quality of life improved given that he is more active.
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| *D-TGA: D-transposition of the great arteries; MRI: Magnetic Resonance Imaging; RVEF: Right Ventricular Ejection Fraction; RVEDV: Right Ventricular End Diastolic Volume; CO: Cardiac Output; MPAP: Mean Pulmonary Artery Pressure; PVR: Pulmonary Vascular Resistance; CI: Cardiac Index; VAD: Ventricular Assist Device* |