

Table 1S: Comparison Between Patients With and Without RV Pressure Data

Demographic and Clinical Data	With RVp Data (N = 315)	No RVp Data (N = 558)	p value
Median age at repair (years)	0.9 (0 – 57.2)	4.1 (0 – 45.3)	<0.001
Median age at CMR (years)	18.1 (0.2 – 71.6)	27.9 (0.6 – 72.3)	<0.001
Time from repair to CMR (years)	16 (0 – 49)	24 (0 – 58)	<0.001
Gender, male	177 (56%)	302 (54%)	0.57
Body surface area (m ²)	1.5±0.5	1.8±0.4	<0.001
Diagnosis			<0.001
Tetralogy of Fallot, pulmonary stenosis	235 (75%)	490 (88%)	
Tetralogy of Fallot, pulmonary atresia	75 (24%)	56 (10%)	
Tetralogy of Fallot, AV canal	5 (2%)	12(2%)	
Additional cardiovascular anomaly	119 (38%)	204 (37%)	0.77
Non-cardiac anomalies	52 (17%)	145 (26%)	0.001
Associated genetic disorder	40 (13%)	47(8%)	0.05
Prior palliative shunt	91 (29%)	223 (40%)	0.001
Type of repair			<0.001
Transannular patch	185 (59%)	257 (46%)	
RV-to-PA conduit	67 (21%)	52(9%)	
Non-transannular patch	43 (14%)	93 (17%)	
Infundibular resection & pulmonary valvotomy	1(<1%)	50 (9%)	
Infundibular resection alone	4 (1%)	25(4%)	
Pulmonary valvotomy alone	6 (2%)	22 (4%)	
Other	9 (3%)	59 (11%)	
Subsequent revision of repair	114 (36%)	147 (26%)	0.003
Pulmonary valve replacement	168 (53%)	147 (26%)	<0.001
Other cardiac procedure(s) (e.g., branch PA plasty)	290 (92%)	375 (67%)	<0.001
Arrhythmia Data			
QRS duration, ms	142±29 (76 – 224)	147±27 (72 – 226)	0.01
Atrial flutter	29 (9%)	31(6%)	0.05
Atrial fibrillation	11 (3%)	26 (5%)	0.49
Non-sustained ventricular tachycardia	35 (11%)	46(8%)	0.18
Prior ablation	24 (8%)	24 (4%)	0.04
Permanent pacemaker	6 (2%)	7(1%)	0.56
Implantable defibrillator	20 (6%)	25 (4%)	0.26
Exercise Data			

Peak oxygen consumption (mL/kg/min)	26 (8 – 53)	24 (2 – 46)	<0.001
Percent predicted peak oxygen consumption	70 (24 – 125)	59 (18 – 160)	<0.001
Ventilatory anaerobic threshold (mL/kg/min)	15 (6 – 33)	15 (6 – 44)	0.89
CMR Data			
RV end-diastolic volume index (mL/m ²)	160±52	147±47	<0.001
RV end-systolic volume index (mL/m ²)	84±39	76±33	<0.001
RV ejection fraction (%)	49±10	49±8	0.53
RV mass index (g/m ²)	42±20	32±12	<0.001
RV mass/volume (g/mL)	0.28±0.1	0.23±0.1	<0.001
Pulmonary regurgitation (%)	40±16	32±17	<0.001
LV end-diastolic volume index (mL/m ²)	84±23	87±21	0.12
LV end-systolic volume index (mL/m ²)	36±16	37±14	0.59
LV ejection fraction (%)	58±8	58±8	0.73
LV mass index (g/m ²)	59±23	50±16	<0.001
LV mass/volume (g/mL)	0.71±0.2	0.59±0.2	<0.001
RV/LV end-diastolic volume ratio	2.0±0.7	1.8±0.6	<0.001

Data are count (percentage), mean ± SD, or median (range).