

Table S1: Pre and postoperative echocardiographic characteristics of patients who underwent TA

Variable	All patients (n=137)			No residual PHT(n=78)			Mild residual PHT (n=43)			Significant residual PHT (n=16)			
	Pre-TA	Post-TA	<i>P</i>	Pre-TA	Post-TA	<i>P</i>	Pre-TA	Post-TA	<i>P</i>	Pre-TA	Post-TA	<i>P</i>	
LV parameters													
LV end-diastolic volume (ml)	106.9±47.3	86.6±27.3	<0.01	111.9±52.2	86.6±27.3	<0.01	99.8±41.3	78.2±27.1	<0.01	101.2±34.9	92.8±50.0	0.28	
LV end-systolic volume (ml)	50.6±27.1	36.8±22.4	<0.01	53.8±29.9	36.9±19.2	<0.01	45.8±22.7	34.7±18.3	<0.01	47.8±21.6	41.8±40.3	0.40	
LV ejection fraction (%)	52.8±11.8	58.4±9.5	<0.01	51.4±13.0	59.2±8.8	<0.01	54.9±9.8	57.1±10.5	0.13	53.4±10.2	57.2±11.0	0.32	
RV parameters													
RV basal diameter (cm)	4.1±0.9	3.6±0.6	<0.01	3.9±0.9	3.5±0.6	<0.01	4.2±0.9	3.6±0.6	<0.01	4.5±0.9	4.0±0.6	0.04	
RV mid-cavity diameter (cm)	3.2±0.8	2.7±0.5	<0.01	3.0±0.8	2.7±0.5	<0.01	3.4±0.8	2.7±0.5	<0.01	3.7±0.7	3.0±0.6	<0.01	
RV longitudinal diameter (cm)	5.9±1.0	5.7±0.9	<0.01	5.8±1.1	5.6±0.9	<0.01	6.1±1.0	5.8±0.9	0.04	6.0±1.0	5.7±0.7	0.30	
RV spherical index	4.7±1.1	4.3±0.9	<0.01	4.6±1.1	4.3±0.9	0.08	4.9±1.2	4.2±1.0	<0.01	4.9±0.9	4.3±0.7	0.06	
RV end-diastolic area (cm ²)	17.8±6.1	14.1±3.9	<0.01	17.2±6.5	13.5±3.6	<0.01	18.3±5.3	14.2±3.7	<0.01	19.9±6.1	16.3±5.2	0.05	
RV end-systolic area (cm ²)	11.1±4.3	7.8±2.6	<0.01	10.9±4.6	7.3±2.5	<0.01	10.9±3.9	7.4±2.2	<0.01	12.3±3.7	9.2±3.4	<0.01	
RV fractional area change (%)	37.8±12.3	46.3±8.1	<0.01	36.4±12.1	46.0±8.3	<0.01	40.5±12.8	48.0±7.3	<0.01	37.5±11.0	43.6±8.1	0.13	
TV deformations													
TV annulus diameter (cm)	3.6±0.7	2.7±0.5	<0.01	3.4±0.7	2.7±0.5	<0.01	3.7±0.6	2.8±0.5	<0.01	4.2±0.7	3.0±0.6	<0.01	
TV tethering area (cm ²)	1.1±0.5	0.7±0.3	<0.01	1.0±0.5	0.7±0.2	<0.01	1.2±0.5	0.8±0.3	<0.01	1.4±0.4	0.9±0.4	<0.01	
PASP (mmHg)	49.1±13.3	32.3±14.9	<0.01	49.5±14.8	22.4±10.2	<0.01	46.9±11.8	40.8±4.4	<0.01	53.1±7.8	57.6±5.3	0.06	
TR degree, n (%)													
	Mild-moderate TR	86(62.8)	136(99.3)	<0.01	61(78.2)	78(100)	<0.01	18(41.9)	43(100)	<0.01	7(43.8)	15(93.8)	<0.01
	Severe TR	51(37.2)	1(0.7)		17(21.8)	0(0)		25(58.1)	0(0)		9(56.2)	1(6.2)	

Values are the mean ± SD or n (%).

Abbreviations: LV=left ventricular; PASP = pulmonary artery systolic pressure; PHT = pulmonary hypertension; RV=right ventricular; TV= tricuspid valve; TA = tricuspid annuloplasty; TR = tricuspid regurgitation.