

Supplementary Table 2. Difference between men and female at mitral and tricuspid valves (**absolute values are given**):

Parameters	Different Age Groups						P value*
	18-29 N=87	30-41 N=23	42-53 N=15	54-65 N=18	66-77 N=5	78-89 N=8	
MV3D1	3.00 ± 0.2	3.11 ± 0.2	2.97 ± 0.2 ± 0.3 2.97	3.04 ± 0.3	3.20 ± 0.2	3.30 ± 0.2	0.081
MV3D2	2.18 ± 0.3	2.22 ± 0.3	2.11 ± 0.3	2.24 ± 0.1	2.25 ± 0.3	2.39 ± 0.2	0.337
MV tenting D	0.37 ± 0.1	0.36 ± 0.1	0.44 ± 0.1	0.38 ± 0.1	0.36 ± 0.05	0.36 ± 0.08	0.176
MV tenting Area	0.46 ± 0.1	0.46 ± 0.1	0.47 ± 0.1	0.5 ± 0.07	0.43 ± 0.06	0.49 ± 0.1	0.680
MV annulus Area	5.34 ± 0.9	5.27 ± 0.7	4.89 ± 0.5	5.35 ± 0.3	5.61 ± 0.8	6.05 ± 1	0.039
MV4CH1	3.06 ± 0.2	3.16 ± 0.2	2.9 ± 0.2	3.11 ± 0.2	3.15 ± 0.1	3.20 ± 0.2	0.412
MV4CH2	2.80 ± 0.2	2.87 ± 0.2	2.56 ± 0.3	2.57 ± 0.3	2.75 ± 0.2	2.92 ± 0.2	0.335
MVPLAX1	2.95 ± 0.2	2.70 ± 0.3	2.81 ± 0.1	2.77 ± 0.4	2.76 ± 0.2	2.96 ± 0.2	0.123
MV2CH1	3.12 ± 0.2	2.93 ± 0.2	2.76 ± 0.2	3.12 ± 0.5	2.96 ± 0.1	2.93 ± 0.2	0.184
MVALAX1	2.76 ± 0.1	3.60 ± 0.1	2.25 ± 0.2	2.62 ± 0.3	2.61 ± 0.4	2.75 ± 0.07	0.225
MVALAX2	2.57 ± 0.1	2.50 ± 0.1	2.00 ± 0.1	2.23 ± 0.3	2.27 ± 0.1	2.50 ± 0.07	0.018
MVPLAX2	2.66 ± 0.2	2.53 ± 0.2	2.52 ± 0.2	2.45 ± 0.4	2.49 ± 0.2	2.70 ± 0.2	0.198
MV2CH2	2.88 ± 0.1	2.72 ± 0.1	2.30 ± 0.4	2.60 ± 0.4	2.69 ± 0.1	2.72 ± 0.07	0.020
TV3D1	3.60 ± 0.3	3.47 ± 0.2	3.36 ± 0.2	3.47 ± 0.3	3.39 ± 0.2	3.53 ± 0.3	0.310
TV3D2	2.51 ± 0.3	2.58 ± 0.2	2.26 ± 0.4	2.43 ± 0.2	2.61 ± 0.3	2.85 ± 0.3	0.005
RAD1	4.03 ± 0.4	4.05 ± 0.5	4.15 ± 0.5	4.37 ± 0.4	4.33 ± 0.4	4.32 ± 0.5	0.292
RAD2	3.71 ± 0.5	3.92 ± 0.5	3.27 ± 0.4	3.60 ± 0.4	3.51 ± 0.4	3.84 ± 0.7	0.065
RA AREA	13.4 ± 2.3	14.6 ± 2.6	12.6 ± 2.6	14.7 ± 3.2	14.1 ± 2.3	15.4 ± 3.1	0.172
RAV	33.27 ± 9.4	38.68 ± 12.5	29.87 ± 10.03	36.25 ± 10.7	35.82 ± 10.5	41.57 ± 15.09	0.211
TV annulus AREA	7.11 ± 1.1	7.15 ± 1	5.97 ± 0.9	6.57 ± 1	6.83 ± 1	7.38 ± 0.9	0.065
TV4CH1	2.90 ± 0.3	3.07 ± 0.4	3.03 ± 0.4	3.20 ± 0.2	3.20 ± 0.3	3.16 ± 0.3	0.413
TV4CH2	2.55 ± 0.3	2.56 ± 0.3	2.42 ± 0.4	2.72 ± 0.7	2.45 ± 0.4	2.70 ± 0.3	0.495
TVRVIF1	3.24 ± 0.3	3.27 ± 0.3	3.08 ± 0.5	3.30 ± 0.6	3.36 ± 0.3	3.54 ± 0.4	0.306
TVRVIF2	2.70 ± 0.2	2.92 ± 0.4	2.51 ± 0.5	2.46 ± 0.5	2.78 ± 0.3	3.08 ± 0.4	0.043
TVSAX1	3.75 ± 0.4	3.27 ± 0.3	2.75 ± 0.7	2.98 ± 0.3	2.98 ± 0.4	3.36 ± 0.3	0.510
TVSAX2	3.32 ± 0.3	2.85 ± 0.3	2.35 ± 0.07	2.35 ± 0.3	2.53 ± 0.3	2.82 ± 0.3	0.200

TV3D1: TV annulus diameter in anterior-posterior aspect, in en-face view, using 3D echocardiography, TV3D2: TV annulus diameter in lateral-medial diameters, in en-face view, using 3D echocardiography, RAD1: Right atrium diameter (longitudinal diameter), RAD2: Right atrium diameter (transverse diameter), RAV: Right atrial volume,

MV3 D1: MV annulus diameter in anterior-posterior aspect, in en-face view, using 3D echocardiography, MV3 D2: MV annulus diameter in medial-lateral dimension, in en-face view, using 3D echocardiography, MV area: cross-section of the tricuspid annulus (in en-face views, using 3D echocardiography).

*ANOVA test

¥ Kruskal-Wallis test