

Supplementary Table S1. Sex differences in cardiac structures.

	All age			Immature			Mature			Elderly		
	Male	Female	p value	Male	Female	p value	Male	Female	p value	Male	Female	p value
	Mean ± SD			Mean ± SD			Mean ± SD			Mean ± SD		
LAD (cm)	1.43 ± 0.24	1.27 ± 0.23	***	1.35 ± 0.21	1.22 ± 0.23	*	1.54 ± 0.24	1.32 ± 0.24	***	1.43 ± 0.26	1.24 ± 0.20	*
AOD (cm)	0.89 ± 0.18	0.87 ± 0.19		0.82 ± 0.13	0.73 ± 0.14	**	0.94 ± 0.18	0.91 ± 0.19		1.04 ± 0.23	0.93 ± 0.18	
LA/Ao ratio	1.65 ± 0.28	1.51 ± 0.29	***	1.67 ± 0.29	1.72 ± 0.29		1.67 ± 0.26	1.48 ± 0.23	***	1.47 ± 0.26	1.36 ± 0.27	
IVSd (cm)	0.48 ± 0.11	0.45 ± 0.13		0.45 ± 0.11	0.40 ± 0.09	*	0.48 ± 0.09	0.47 ± 0.15		0.59 ± 0.16	0.45 ± 0.09	*
IVSs (cm)	0.65 ± 0.15	0.60 ± 0.15	**	0.63 ± 0.16	0.54 ± 0.09	**	0.67 ± 0.13	0.61 ± 0.19		0.76 ± 0.18	0.61 ± 0.11	
LVIDd (cm)	1.75 ± 0.34	1.55 ± 0.29	***	1.59 ± 0.31	1.43 ± 0.26	*	1.97 ± 0.25	1.61 ± 0.28	***	1.61 ± 0.27	1.55 ± 0.32	
LVIDs (cm)	1.13 ± 0.27	0.96 ± 0.21	***	1.02 ± 0.21	0.92 ± 0.18	*	1.29 ± 0.26	0.98 ± 0.21	***	1.00 ± 0.24	0.95 ± 0.24	
LVPWd (cm)	0.45 ± 0.12	0.42 ± 0.13		0.41 ± 0.11	0.35 ± 0.09	*	0.47 ± 0.11	0.44 ± 0.13		0.55 ± 0.17	0.47 ± 0.14	
LVPWs (cm)	0.59 ± 0.11	0.59 ± 0.15		0.56 ± 0.10	0.51 ± 0.12	*	0.63 ± 0.12	0.61 ± 0.14		0.62 ± 0.06	0.61 ± 0.17	

*p < 0.05, **p < 0.01, ***p < 0.001.

IVSd, interventricular septum at diastole; IVSs, interventricular septum at systole; LA/AO,

left atrium/aorta diameter; LVIDd, left ventricular inner dimension at diastole; LVIDs, left ventricular inner dimension at systole; LVPWd, left ventricular posterior wall thickness at diastole;

LVPWs, left ventricular posterior wall thickness at systole.

Supplementary Table S2. Sex differences in cardiac function and inflow velocity.

	All age			Immature			Mature			Elderly		
	Male	Female	p value	Male	Female	p value	Male	Female	p value	Male	Female	p value
	Mean ± SD			Mean ± SD			Mean ± SD			Mean ± SD		
SV (ml)	4.86 ± 2.51	3.44 ± 2.02	***	3.53 ± 1.63	2.56 ± 1.16	**	6.58 ± 2.48	3.87 ± 1.80	***	4.43 ± 1.75	3.45 ± 2.72	
CO (l/min)	0.67 ± 0.36	0.55 ± 0.34	**	0.51 ± 0.27	0.41 ± 0.17	*	0.86 ± 0.38	0.59 ± 0.27	***	0.68 ± 0.29	0.60 ± 0.51	
EF (%)	72.03 ± 9.20	75.55 ± 8.77	**	74.36 ± 6.97	72.34 ± 7.58		68.69 ± 10.77	77.04 ± 8.99	***	74.09 ± 7.33	75.68 ± 8.55	
FS (%)	36.31 ± 6.73	38.96 ± 8.20	**	37.34 ± 6.18	35.69 ± 5.66		34.52 ± 7.01	40.53 ± 8.86	***	38.82 ± 6.16	38.99 ± 7.94	
AV outflow velocity (m/s)	0.81 ± 0.19	0.77 ± 0.16		0.83 ± 0.19	0.81 ± 0.13		0.77 ± 0.18	0.75 ± 0.14		0.8 ± 0.22	0.75 ± 0.20	
PV outflow velocity (m/s)	0.87 ± 0.18	0.94 ± 0.22	*	0.90 ± 0.17	0.94 ± 0.22		0.82 ± 0.20	0.90 ± 0.19	*	0.91 ± 0.12	1.02 ± 0.24	
E wave of MV (m/s)	0.73 ± 0.21	0.70 ± 0.20		0.79 ± 0.21	0.81 ± 0.18		0.68 ± 0.18	0.65 ± 0.17		0.55 ± 0.18	0.70 ± 0.22	
A wave of MV (m/s)	0.49 ± 0.16	0.55 ± 0.15		0.54 ± 0.15	0.51 ± 0.17		0.47 ± 0.16	0.54 ± 0.15		0.40 ± 0.13	0.63 ± 0.13	*
E/A	1.36 ± 0.35	1.25 ± 0.55		1.34 ± 0.31	1.75 ± 0.67	*	1.40 ± 0.40	1.16 ± 0.36	*	1.23 ± 0.18	0.78 ± 0.14	**
TV inflow velocity (m/s)	0.39 ± 0.29	0.38 ± 0.31		0.49 ± 0.29	0.45 ± 0.28		0.31 ± 0.26	0.38 ± 0.33		0.25 ± 0.27	0.33 ± 0.29	

*p < 0.05, **p < 0.01, ***p < 0.001.

A wave of MV, atrial wave of mitral valve; AV outflow velocity, aorta valve outflow velocity; CO, cardiac output; E wave of MV, early wave of mitral valve; EF, ejection fraction; FS, fractional shortening of left ventricle; PV outflow velocity, pulmonary valve outflow velocity; TV inflow velocity, tricuspid valve inflow velocity.