

Table 1
Echocardiographic measurements in Estrela Mountain dogs

Variable	N	Mean	SD	Range	
				Min (-2SD)	Max (+2SD)
HR (bpm) F	40	113.78	22.88	68.02	159.54
HR (bpm) M	34	100.53	21.61	57.31	143.75
MAP (mm/Hg)	63	106.87	13.39	80.09	133.65
SP (mm/Hg)	63	146.84	18.69	109.46	184.22
DP (mm/Hg)	63	82.10	13.73	54.64	109.56
IVSd (cm)	74	1.10	0.15	0.90	1.40
IVSs (cm) F	40	1.36	0.25	0.86	1.86
IVSs (cm) M	34	1.50	0.18	1.14	1.86
LVIDd (cm) F	40	4.89	0.50	3.89	5.89
LVIDd (cm) M	34	5.18	0.39	4.40	5.96
LVIDs (cm)	74	3.30	0.44	2.42	4.18
LVPWd (cm)	74	1.12	0.16	0.80	1.44
LVPWs (cm)	74	1.49	0.21	1.07	1.91
FS (%)	74	34.44	5.74	22.96	45.92
EPSS (cm)	74	0.59	0.21	0.17	1.01
LVEDV (cm ³)	74	96.99	21.44	54.11	139.87
LVESV (cm ³)	74	43.96	13.15	17.66	70.23
CO (L/min)	74	5.67	1.64	2.39	8.95
SV (cm ³)	74	53.41	13.85	25.71	81.11
EDVI	74	84.02	18.80	46.42	121.62
ESVI	74	31.54	10.35	10.84	52.24
EF (%)	74	55.20	8.13	38.94	71.46
CI _s	67	1.01	0.10	0.81	1.21
CI _d	67	0.94	0.09	0.76	1.12
SI	74	1.45	0.13	1.19	1.71
LA (cm)	73	3.26	0.46	2.34	4.18
Ao (cm)	73	2.70	0.37	1.96	3.44
LA/Ao	73	1.23	0.21	0.81	1.65
AV _{peak} (m/s)	74	1.39	0.28	0.83	1.95
AV VTI (cm)	74	18.01	3.53	10.95	25.07
PV _{peak} (m/s)	74	1.00	0.20	0.60	1.40
PV VTI (cm)	72	14.06	2.92	8.22	19.90
MV _{peakE} (m/s)	74	0.69	0.14	0.41	0.97
MV _{peakA} (m/s)	74	0.66	0.14	0.38	0.94
MV E/A	74	1.08	0.25	0.58	1.58
MVDecT (ms)	68	113.80	24.85	64.10	163.50

N, number of dogs; F, female; M, male; SD, standard deviation; HR, heart rate; MAP, mean arterial pressure; SP, systolic pressure; DP, diastolic pressure; IVSd, interventricular septal thickness at end-diastole; IVSs, interventricular septal thickness at end-systole; LVIDd, left ventricular internal dimension at end-diastole; LVIDs, left ventricular internal dimension at end-systole; LVPWd, left ventricular posterior wall thickness at end-diastole; LVPWs, left ventricular posterior wall thickness at end-diastole; FS, fractional shortening; EPSS, E point to septal separation; LVEDV, left ventricular end-diastolic volume; LVESV, left ventricular end-systolic volume; CO, cardiac output; SV, stroke volume; EDVI, end-diastolic volume index; ESVI, end-systolic volume index; EF, ejection fraction; CI_d, circularity index diastole; CI_s, circularity index systole; LA, left atrium diameter; Ao, aortic root diameter; LA/Ao, left atrium aorta index; AV_{peak}, aortic valve peak velocity; AV VTI, aortic valve velocity time integral; PV_{peak}, pulmonic valve peak velocity; PV VTI, pulmonic valve velocity time integral; MV_{peakE}, mitral valve peak E velocity; MV_{peakA}, mitral valve peak A velocity; MV E/A, mitral valve E/A index; MVDecT, mitral valve E wave deceleration time.