

**Table Supplement 1.** Echocardiographic parameters of Sham and TAC mice before and 5 weeks after surgery

	Before surgery			After surgery			Sham before/after surgery	TAC before/after surgery
	Sham (n=4)	TAC (n=5)	<i>p</i> value	Sham (n=4)	TAC (n=5)	<i>p</i> value	<i>p</i> value	<i>p</i> value
BW (g)	27.1 ± 1.0	26.9 ± 0.7	0.905	28.8 ± 0.9	29.3 ± 0.6	0.905	0.200	0.095
HR (bpm)	455 ± 14	468 ± 20	0.905	472 ± 9	479 ± 4	0.556	0.343	0.421
LVAW;d (mm)	0.87 ± 0.05	0.91 ± 0.05	0.730	1.10 ± 0.03	1.04 ± 0.05	0.556	0.029	0.151
LVID;d (mm)	3.97 ± 0.15	3.74 ± 0.10	0.190	3.98 ± 0.23	4.03 ± 0.12	0.905	1.000	0.151
LVPW;d (mm)	0.82 ± 0.02	0.73 ± 0.04	0.176	0.78 ± 0.05	1.05 ± 0.06	0.032	0.686	0.012
LVM (mg)	99.1 ± 6.5	87.7 ± 4.9	0.286	120.2 ± 7.8	138.3 ± 9.6	0.286	0.114	0.008
LVM/BW (mg/g)	3.7 ± 0.2	3.2 ± 0.1	0.286	4.2 ± 0.2	4.7 ± 0.3	0.190	0.343	0.008
LV vol;d (μl)	69.3 ± 6.0	60.1 ± 4.0	0.190	70.2 ± 9.3	71.8 ± 5.1	0.905	1.000	0.151
SV (μl)	42.3 ± 4.7	39.7 ± 4.5	0.556	43.8 ± 5.5	29.3 ± 2.1	0.063	0.686	0.095
CO (mL/min)	19.2 ± 2.1	18.5 ± 2.1	0.905	20.6 ± 2.6	14.0 ± 1.0	0.063	0.686	0.095
EF (%)	60.9 ± 3.6	65.4 ± 3.5	0.730	62.5 ± 1.2	40.8 ± 0.9	0.016	1.000	0.008
MG (mmHg)	N/A	N/A	N/A	1.1 ± 0.2	12.1 ± 2.7	0.016	N/A	N/A

All values are means ± SEM. *p* values were obtained using the Mann-Whitney test. Abbreviations: BW, body weight; HR, heart rate; LVAW;d, LV anterior wall thickness at end-diastole; LVID;d, LV inner diameter at end-diastole; LVPW;d, LV posterior wall thickness at end-diastole; LVM, LV mass; LVM/BW, LV mass to body weight ratio; LV vol;d, LV volume at end-diastole; SV, stroke volume; CO, cardiac output; EF, ejection fraction; MG, mean gradient; bpm, beats per minute.