

Supplementary Table e1. Echocardiographic M-mode analysis parameters. First lines: data obtained at 3 months after local heart irradiation; Second lines (shaded): data obtained at 6 months.

	Vehicle 0 Gy	Vehicle 21 Gy	Capsaicin 0 Gy	Capsaicin 21 Gy
LVAW in diastole (mm)	2.1 ± 0.1 ^a	1.9 ± 0.1 ^b	2.0 ± 0.1	2.0 ± 0.04
	2.2 ± 0.1 ^a	1.7 ± 0.1 ^b	2.1 ± 0.1 ^a	1.8 ± 0.04 ^b
LVAW in systole (mm)	3.2 ± 0.1	3.0 ± 0.1	3.1 ± 0.1	3.1 ± 0.1
	3.3 ± 0.1 ^a	2.8 ± 0.1 ^b	3.2 ± 0.1 ^a	2.8 ± 0.1 ^b
LVPW in diastole (mm)	2.1 ± 0.05	2.0 ± 0.04	2.1 ± 0.1	2.0 ± 0.03
	2.2 ± 0.05 ^a	1.9 ± 0.1 ^b	2.2 ± 0.1 ^a	1.9 ± 0.1 ^b
LVPW in systole (mm)	3.0 ± 0.1 ^a	2.8 ± 0.1 ^b	3.0 ± 0.1 ^a	2.8 ± 0.1 ^b
	3.1 ± 0.1	2.9 ± 0.1	3.1 ± 0.1	2.9 ± 0.1
LV mass (mg)	1066.6 ± 36.3 ^a	924.4 ± 33.3 ^b	995.5 ± 39.2	1015.6 ± 22.2
	1157.4 ± 34.0 ^a	955.6 ± 38.0 ^b	1073.2 ± 27.7	992.4 ± 35.0
LVID in diastole (mm)	7.9 ± 0.2	7.7 ± 0.1	7.7 ± 0.1	8.0 ± 0.1
	8.0 ± 0.1	8.3 ± 0.2	7.7 ± 0.2 ^a	8.4 ± 0.2 ^b
LVID in systole (mm)	4.7 ± 0.2	4.6 ± 0.1	4.5 ± 0.1	4.9 ± 0.2
	4.9 ± 0.2	5.1 ± 0.1	4.7 ± 0.2 ^a	5.2 ± 0.2 ^b
LV volume in diastole (μl)	338.7 ± 16.7	317.6 ± 9.4	319.5 ± 12.9	342.3 ± 8.2
	347.2 ± 12.6	380.3 ± 17.2	321.5 ± 14.5 ^a	386.6 ± 21.1 ^b
LV volume in systole (μl)	103.0 ± 9.7	100.2 ± 6.4	94.1 ± 6.9	118.1 ± 11.1
	116.2 ± 10.7	123.7 ± 7.6	102.0 ± 8.6 ^a	133.3 ± 13.3 ^b
EF (%)	74.8 ± 1.6	74.0 ± 1.5	75.2 ± 1.3	71.0 ± 2.5
	69.5 ± 1.8	70.5 ± 1.1	72.8 ± 1.7	68.8 ± 2.1
FS (%)	45.5 ± 1.5	44.6 ± 1.4	45.8 ± 1.2	42.4 ± 1.9
	40.8 ± 1.5	41.7 ± 0.9	43.6 ± 1.5	40.4 ± 1.6
Stroke volume (μl)	251.8 ± 10.9	238.7 ± 7.5	240.4 ± 8.8	246.9 ± 8.8
	233.1 ± 6.2 ^a	268.2 ± 12.1 ^b	229.5 ± 8.5 ^a	273.2 ± 16.7 ^b
Cardiac output (ml/min)	86.5 ± 6.0	78.2 ± 3.1	84.5 ± 2.1	80.0 ± 3.2
	82.9 ± 3.8	73.7 ± 2.3	81.6 ± 2.7 ^a	65.2 ± 5.1 ^b
Aortic outflow tract (mm)	3.25 ± 0.08	3.27 ± 0.14	3.13 ± 0.14	3.16 ± 0.12
	3.49 ± 0.05	3.28 ± 0.06	3.43 ± 0.11 ^a	3.16 ± 0.11 ^b

Average ± SEM, n=11-12. Different characters indicate statistically significant differences (p<0.05).