

Supplementary Table 2.

Echocardiography variables before and after MI.

	Edited (n=9)	Unedited (n=10)	Saline (n=14)	<i>p</i> 2-way RM ANOVA
Area; Systole (mm²)				
Baseline	5.68±2.5	5.98±4.56	5.28±1.29	<i>p</i> Interaction= 0.6
Day 1 after MI	6.79±2.04	8.26±4.26	6.38±1.8	<i>p</i> Time< 0.0001
Day 28 after MI	8.84±4.07	12.13±10.05	10.83±4.84	<i>p</i> Treatment=0.28
<i>p</i> day 1 vs. 28 (Holm-Šídák)	0.108	0.086	0.008	
Area; Diastole (mm²)				
Baseline	10.22±2.11	11.48±4.61	10.11±1.1	<i>p</i> Interaction= 0.92
Day 1 after MI	9.2±1.9	11.67±5.47	9.15±1.7	<i>p</i> Time< 0.0001
Day 28 after MI	12.75±3.65	15.68±10	13.92±5.11	<i>p</i> Treatment=0.09
<i>p</i> day 1 vs. 28 (Holm-Šídák)	0.011	0.039	0.01	
Volume; Systole (μL)				
Baseline	22.47±12.41	17.3±9.62	20.97±4.54	<i>p</i> Interaction= 0.01
Day 1 after MI	30.59±11.45	29.37±6.98	29.24±8.75	<i>p</i> Time= < 0.0001
Day 28 after MI	39.14±11.6	46.69±29.88	63.9±28.35	<i>p</i> Treatment=0.05
<i>p</i> day 1 vs. 28 (Holm-Šídák)	0.039	0.05	0.0005	
Volume; Diastole (μL)				
Baseline	48.99±17.79	42.1±14.37	48.66±6.03	<i>p</i> Interaction= 0.2
Day 1 after MI	43.09±13.8	43.79±9.56	43.09±8.95	<i>p</i> Time< 0.0001
Day 28 after MI	59.4±14.44	67.22±29.37	78.49±29.23	<i>p</i> Treatment=0.18
<i>p</i> day 1 vs. 28 (Holm-Šídák)	0.006	0.005	0.001	

	Edited (n=9)	Unedited (n=10)	Saline (n=14)	<i>p</i> 2-way RM ANOVA
Ejection Fraction (%)				
Baseline	54.82±15.56	59.62±14.78	56.94±6.62	<i>p</i> Interaction= 0.06
Day 1 after MI	29.17±12.71	32.92±10.49	32.1±12.98	<i>p</i> Time< 0.0001
Day 28 after MI	33.77±11.16	32.92±17.26	19.85±10	<i>p</i> Treatment=0.005
<i>p</i> day 1 vs. 28 (Holm-Šídák)	0.217	0.999	0.007	
Diameter; Systole (mm)				
Baseline	2.14±0.77	2.09±0.69	2.41±0.36	<i>p</i> Interaction= 0.59
Day 1 after MI	2.82±0.37	2.7±0.61	2.69±0.31	<i>p</i> Time< 0.0001
Day 28 after MI	3.22±0.7	3.39±1.19	3.61±0.71	<i>p</i> Treatment=0.26
<i>p</i> day 1 vs. 28 (Holm-Šídák)	0.151	0.047	0.0002	
Diameter; Diastole (mm)				
Baseline	3.3±0.61	3.39±0.41	3.42±0.27	<i>p</i> Interaction= 0.41
Day 1 after MI	3.39±0.43	3.54±0.84	3.18±0.28	<i>p</i> Time< 0.0001
Day 28 after MI	4.02±0.67	4.24±1.03	4.02±0.69	<i>p</i> Treatment=0.25
<i>p</i> day 1 vs. 28 (Holm-Šídák)	0.038	0.005	0.0008	
Fractional Shortening (%)				
Baseline	35.97±13.29	38.93±12.97	29.81±6.71	<i>p</i> Interaction= 0.2
Day 1 after MI	16.61±9.98	15.96±8.03	15.42±5.74	<i>p</i> Time< 0.0001
Day 28 after MI	19.83±11.19	18.88±11.93	10.5±4.39	<i>p</i> Treatment< 0.0001
<i>p</i> day 1 vs. 28 (Holm-Šídák)	0.154	0.34	0.005	

	Edited (n=9)	Unedited (n=10)	Saline (n=14)	<i>p</i> 2-way RM ANOVA
LV Mass (<i>corrected</i>) (mg)				
Baseline	66.22±28.8	74.64±19.94	65.15±9.66	<i>p</i> Interaction= 0.27
Day 1 after MI	79.43±15.99	60.64±13.66	72.49±19.88	<i>p</i> Time< 0.0001
Day 28 after MI	109.66±70.82	99.73±48.08	93.97±24.77	<i>p</i> Treatment=0.43
<i>p</i> day 1 vs. 28 (Holm-Šídák)	0.153	0.004	0.025	
LVAW; Systole (mm)				
Baseline	1.11±0.24	1.21±0.23	1.11±0.14	<i>p</i> Interaction= 0.06
Day 1 after MI	1.12±0.21	0.91±0.25	1.03±0.22	<i>p</i> Time= 0.01
Day 28 after MI	1.06±0.54	0.96±0.22	0.8±0.37	<i>p</i> Treatment=0.07
<i>p</i> day 1 vs. 28 (Holm-Šídák)	0.952	0.373	0.083	
LVAW; Diastole (mm)				
Baseline	0.78±0.15	0.82±0.12	0.71±0.11	<i>p</i> Interaction= 0.13
Day 1 after MI	0.96±0.25	0.74±0.13	0.86±0.21	<i>p</i> Time= 0.14
Day 28 after MI	0.83±0.3	0.82±0.18	0.73±0.3	<i>p</i> Treatment=0.07
<i>p</i> day 1 vs. 28 (Holm-Šídák)	0.381	0.213	0.288	
LVPW; Systole (mm)				
Baseline	1.1±0.11	1.22±0.27	1.03±0.13	<i>p</i> Interaction= 0.1
Day 1 after MI	0.97±0.31	0.9±0.27	1.01±0.25	<i>p</i> Time= 0.01
Day 28 after MI	1.16±0.5	1.01±0.13	1±0.16	<i>p</i> Treatment=0.56
<i>p</i> day 1 vs. 28 (Holm-Šídák)	0.156	0.224	0.903	

	Edited (n=9)	Unedited (n=10)	Saline (n=14)	<i>p</i> 2-way RM ANOVA
LVPW; Diastole (mm)				
Baseline	0.75±0.16	0.82±0.28	0.77±0.12	<i>p</i> Interaction= 0.04
Day 1 after MI	0.77±0.33	0.68±0.16	0.86±0.18	<i>p</i> Time= 0.03
Day 28 after MI	0.9±0.32	0.75±0.09	0.86±0.14	<i>p</i> Treatment= 0.05
<i>p</i> day 1 vs. 28 (Holm-Šídák)	0.413	0.085	0.997	

Supplementary Table 3.

Doner patients' basic clinical characteristics

Serial number	C3	C5	C6	C7
Sex (male=1 female=2)	1	1	1	2
Age	63	71	49	71
BMI	21.61	22.09	29.35	25.39
Hypertension (no=0 yes=1)	0	1	1	1
Dyslipidemia (no=0 yes=1)	0	1	1	1
Diabetes (no=0 yes=1)	0	0	0	0
Smoking (no=0 yes=1)	1	0	0	0
Diabetes	No	No	No	No