Supplementary Table 1. MDA levels

Bonferroni's multiple comparisons test	Mean diff,	95,00% CI of diff,	Below threshold?	Summary	Adjusted p-value	
Control vs. HG	-4,854	-7,805 to -1,903	Yes	**	0,0054	A-B
Control vs. HG-R	-4,523	-7,474 to -1,572	Yes	**	0,0075	A-C
Control vs. HG-A	-3,291	-6,242 to -0,3399	Yes	*	0,0313	A-D
Control vs. HG-R+A	-1,711	-4,662 to 1,240	No	ns	0,3949	A-E
HG vs. HG-R	0,3308	-2,620 to 3,282	No	ns	>0,9999	B-C
HG vs. HG-A	1,563	-1,388 to 4,514	No	ns	0,5261	B-D
HG vs. HG-R+A	3,143	0,1924 to 6,094	Yes	*	0,0382	B-E
HG-R vs. HG-A	1,233	-1,718 to 4,183	No	ns	>0,9999	C-D
HG-R vs. HG-R+A	2,813	-0,1383 to 5,763	No	ns	0,0611	C-E
HG-A vs. HG-R+A	1,580	-1,371 to 4,531	No	ns	0,5090	D-E

MDA: Malondialdehyde, HG: Hyperglycemia group, HG-R: Hyperglycemia + rosuvastatin group, HG-A: Hyperglycemia + L-arginine group, HG-R+A: Hyperglycemia + L-arginine + rosuvastatin group, CI: Confidence interval.

Supplementary Table 2. Catalase activity

Bonferroni's multiple comparisons test	Mean diff,	95,00% CI of diff,	Below threshold?	Summary	Adjusted p-value	
Control vs. HG	0,2743	0,1657 to 0,3829	Yes	***	0,0007	A-B
Control vs. HG-R	0,2955	0,1870 to 0,4041	Yes	***	0,0005	A-C
Control vs. HG-A	0,2298	0,1212 to 0,3384	Yes	**	0,0016	A-D
Control vs. HG-R+A	0,1567	0,04813 to 0,2653	Yes	**	0,0099	A-E
HG vs. HG-R	0,02125	-0,08735 to 0,1299	No	ns	>0,9999	B-C
HG vs. HG-A	-0,04450	-0,1531 to 0,06410	No	ns	>0,9999	B-D
HG vs. HG-R+A	-0,1176	-0,2262 to -0,008972	Yes	*	0,0356	B-E
HG-R vs. HG-A	-0,06575	-0,1744 to 0,04284	No	ns	0,3418	C-D
HG-R vs. HG-R+A	-0,1388	-0,2474 to -0,03022	Yes	*	0,0171	C-E
HG-A vs. HG-R+A	-0,07307	-0,1817 to 0,03553	No	ns	0,2368	D-E

HG: Hyperglycemia group, HG-R: Hyperglycemia + rosuvastatin group, HG-A: Hyperglycemia + L-arginine group, HG-R+A: Hyperglycemia + L-arginine + rosuvastatin group, CI: Confidence interval.