

Supplementary Tables

Table S1. Baseline characteristics. Group 1

VARIABLE	CONTROL group	STEMi group 1	P value
	n = 17	n = 25	Vs Control
Age (years)	46.1 ± 13.9	57.9 ± 8.6	0.004
Male sex %	76.5	96	0.140
Hypertension %	17.6	76	< 0.001
Diabetes %	5.9	12	0.635
Dyslipidemia %	11.8	32	0.060
Smoking %	47	56	0.754
Family history of CAD %	17.6	0	0.060
Symptoms onset to first blood sample collection (min)		517 ± 309	
KILLIP score		1.7 ± 0.8	
EF* post PCI		39.5 ± 8	

Footnotes:

* EF: Ejection Fraction

Table S2 Inclusion criteria

Signed Informed consent
Acute anterior STEMI * undergoing PCI
Time symptom-to-ballon > 2 h and < 12 h
EF post PCI ≤ 45%
TIMI flow * > 2 post PCI

Footnotes:

* TIMI flow: Thrombolysis In Myocardial Infarction scoring system

Table S3. STEMI patients characteristics. Group 2

VARIABLE	CONTROL group	STEMI group 2	P value
	n = 17	n = 8	Vs Control
Age (years)	46.1 ± 13.9	61.9 ± 9	0.003
Male sex %	76.5	87.5	0.915
Hypertension %	17.6	37.5	0.156
Diabetes %	5.9	25	0.231
Dyslipidemia %	11.8	50	0.023
Smoking %	47	37.5	0.986
Family history of CAD %	17.6	25	0.0672
Symptoms onset to first blood sample collection (min)		156 ± 72	
KILLIP score		1.4 ± 0.5	
EF* post PCI		40.8 ± 6.3	