

Intracoronary hypothermia in AMI

Supplementary Table 1. Temperature of the coronary blood and the infarct area (proximal, mid and distal) measured during the occlusion (200 seconds) and reperfusion phases (600 seconds)

	Blood	Proximal	Mid	Distal
Exp1	26.13	35.02	36.25	36.77
Δ%	-	-	-	-
Exp2a	25.45	30.19	32.36	34.17
Exp2b	25.72	30.58	32.39	34.45
Δ%	-1.1	-1.3	-0.1	-0.8
Exp3a	26.91	30.76	30.54	31.83
Exp3b	25.87	29.64	29.21	30.18
Δ%	3.9	3.6	4.4	5.2
Exp4a	28.23	33.03	33.59	33.62
Exp4b	26.6	32.43	33.33	33.36
Δ%	5.8	1.8	0.8	0.8
Exp5a	25.97	36.92	35.43	30.32
Exp5b	25.23	37.02	35.94	30.55
Δ%	2.8	-0.3	-1.4	-0.8

Temperatures measured at 200 seconds from the start of the protocol.

	Blood	Proximal	Mid	Distal
Exp1	33.73	33.45	33.7	33.73
Δ%	-	-	-	-
Exp2a	33.9	33.72	33.73	34
Exp2b	33.02	33.82	33.65	34.13
Δ%	2.6	-0.3	0.2	-0.4
Exp3aa	33.88	33.61	33.44	33.56
Exp3b	33.71	34.15	34.17	34.01
Δ%	0.5	-1.6	-2.2	-1.3
Exp4a	28.33	30.19	30.9	31.09
Exp4b	31.75	33.46	33.9	34.32
Δ%	-12.1	-10.8	-9.7	-10.4
Exp5a	29.9	37.62	36.73	31.99
Exp5b	29.91	37.57	36.72	31.48
Δ%	-0.03	0.1	0.03	1.6

Temperatures measured at 600 seconds from the start of the protocol. Repeatability is expressed as the relative difference between two consecutive measurements (delta%). In the first heart no repeatability experiment was performed.

Supplementary Video. Infrared camera recordings showing excellent delineation of the infarct area. There is no myocardial temperature decrease observed outside the infarct area.