Table 1. Demographic and laboratory parameters of the patients

	myocardial blush grade 0-1 (n:62)	myocardial blush grade 2-3 (n:212)	P-value
Age	57± 10	56 ± 8,2	0,38
Sex (Female)(n,%)	8(13,3)	41(19,1)	0,30
Diabetes Mellitus(n,%)	5 (8,3)	21(9,1)	0,32
Smoking(n,%)	38(63,3)	144(67)	0,33
Family History(n,%)	7(11,7)	17(7,9)	0,36
Hypertension(n,%)	13(21,7)	57(26,7)	0,44
Glucose, mg/dL	164,7±70	157±668	0,10
LDL, mg/dL	118,7±34	113,8±28	0,45
Platelet count, 10"9/L	250±59	260±61	0,73
WBC count x10"9/L	14,9±4,2	12,7±3,3	0,01
Hemoglobin, g/dL	14,3±1,35	14,1±1,24	0,19
Peak CKMB, IU/L	451±171	385±152	0,26
EF(%)	44±6,4	48,5±8,3	0,02

Abbreviations: CKMB, creatinine kinase myocardial band; F, female; M, male; LDL,Low-density lipoprotein; EF, ejection fraction; WBC, white blood cell; FQRS, Fragmented QRS.

Table 2: Comparison of angiographic and electrographic parameters between groups.

	myocardial blush grade 0-1 (n:62)	myocardial blush grade 2-3 (n:212)	P-value
Pain-to-balloon time (h)	4,64±1,84	4,57±1,8	0,78
TIMI frame count	26±11	20±9	0,01
Gensini score	38,1±23	37,6±22	0,56
Fragmented QRS(+)(n,%)	23(21,7)	13(10,7)	0,02
ST-segment resolution at one hours (%)	45±22	59±23	0,001
ST-segment resolution at two hours(%)	36,3±20	37,4±22	0,51
QRS duration (ms)	0,98±0,14	0,81±0,11	<0.001
QT dispersion (ms)	0,50±0,24	0,48±0,26	0,56
Arrhythmic event in hospital	8	5	0,74
Stent utilization, n (%)	58(94%)	208(98%)	0,62
Glycoprotein IIb/IIIa antagonist , n (%)	52(83%)	36(17%)	<0.001

Abbreviations: TIMI, thrombolysis in myocardial infarction.

Table 3: Univariable and multivariable logistic regression analysis for the prediction of myocardial blush grade 0-1

Variable	Univariable analysis			Multivariable analysis		
	Unadjusted OR	95% CI	P-value	Adjusted OR	95% CI	P-value
Age	0,99	0,96-1,02	0,56	_	_	_
Gender	0,65	0,28-1,48	0,30	_	_	_
Pain to ballon time [h]	1,09	1,08-1,29	0,69	_	_	_

ST-segment resolution at one hours	0,64	0,40-0,89	0,05	0,62	0,39-0,90	0,046
ST-segment resolution at two hours	0,84	0,55-1,31	0,44	_	_	_
TIMI frame count	1,06	1,01-1,15	0,23			
Fragmented QRS	2,3	1,08-4,89	0,029	2,3	1,13-5,06	0,027