Table (1s) ECG data between the study groups:

	Group (I) (n=25)	Group (II) (n=35)	Test value	p-value
Maximum ST Elevation Mean ± SD	13.6 ± 8.65	15.51±10.40	0.75	>0.05
Sum STR Mean ± SD	0.9334±.054	0.6544±.047	4.67	***<0.05***
<70% STR n (%)	6 (24%)	25 (71.4%)	6.2	***< 0.05***
MI territory				
Anterior n(%)	18 (72%)	23 (65.7%)	2.4	>0.05
Inferior n (%)	5 **(**20%**)**	9 **(**25.7%)		
Inferolateral n (%)	1 **(**4%**)**	1 **(**2.9%**)**		
Inferoposterior n (%)	1 **(**4%)	2 **(**5.8%)		

SD: standard deviation , STR:ST resolusion

Table (2s) :NT-pro BNP admission , and 3 month between the study groups

NT-pro BNP Pg\mL	Group (I) (n=25)	Group (II) (n=35)	Test value	p-value
	Mean ± SD	Mean ± SD		
Admission time	2645±1321	3046±1125	1.95	>0.05
3 month follow up	2449±1452	3640±1905	1.51	>0.05

SD:standard deviation, NT-pro BNP:N-terminal pro brain natruritic peptide

Table (3s): admission time EDV, ESV , EF, GLS , E\A, E\e, VP , E\vP :in the study groups

Admission time	Group (I) (n=25)	Group (II) (n=35)	Test value	p-value
	Mean ± SD	Mean ± SD		
EDV ml	118.34±44.366	136.48 ±33.884	1.7	>0.05
ESV ml	51.40 ± 16.55	57.24 ± 15.38	1.3	>0.05
EF %	50.60 ± 12.33	48.52 ± 11.29	0.35	>0.05
GLS %	-16.916±2.29	-10.391±3.382	8.3	***<0.001***
E\A	1.109±0.38	1.35±0.57	1.8	>0.05
E\e	11.48±5.70	15.43± 6.47	2.2	*>0.05*
Vp cm\s	48.4±14.5	40.80±17.51	0.7	>0.05
E\vp	1.6160 ± 0.904	1.7812 ± 0 .875	0.45	>0.05

EDV:end diastolic volume, ESV : end systolic volume , EF : ejection fraction , GLS: global longitudinal strain , Vp: velocity propagation , SD:standard deviation , E\A: ratio between E and A mitral filling velocity, E\e :ratio between Emital filling velocity and mitral ring annular velocity

Table (4s): 3 month follow up EDV, ESV , EF, E\A, E\e, VP , E\vP :in the study groups

3 month follow up	Group (I) (n=25)	Group (II) (n=35)	Test value	p-value
	Mean ± SD	Mean ± SD		
EDV ml	111.08 ± 49.08	181.80 ± 38.53	**3.1**	**<0.05**
ESV ml	54.11 ± 20.28	65.44±18.85	**2.1**	**>0.05**
EF %	53.94 ± 12.83	38.60 ± 12.20	**-0.4**	**<0.05**
E\A	1.28 ± 0.146	2.106 ± 1.30	-2.4	>0.05
E\e	12.46 ± 5.69	18.23 ± 6.57	-1.6	>0.05
Vp cm\s	46.76 ±15.89	35.02 ±18.46	-1.1	>0.05
E\vp	1.7±0 .73	2.5± 0 .96	-0.17	>0.05

EDV:end diastolic volume, ESV : end systolic volume , EF : ejection fraction , GLS: global longitudinal strain , Vp: velocity propagation , SD:standard deviation , E\A: ratio between E and A mitral filling velocity, E\e :ratio between Emital filling velocity and mitral ring annular velocity

Table (5s): Number of diseased vessel in the study groups

Variable	Group (1) n= 25	Group (2) n= 35	Chi –squre x	Sig
Single vessel disease	8 (32%)	10 (28.6 %)	0.03	>0.05
Two vessel disease	13 (52%)	11 (31.4%)	1.8	>0.05
Three vessel disease	4 (16%)	14 (40%)	4	**< 0.001**

Table (6s): Baseline TIMI flow grades in the study groups

Baseline TIMI	Group (1) n= 25	Group (2) n= 35	Chi – squre X	Sig
TIMI 0	8 (32%)	16 (45.7 %)	2.2	> **0.05**
TIMI 1	13 (52%)	17(48.6%)		
TIMI 2	4 (16 %)	2 (5.7 %)		

TIMI:thrombolysis in myocardial infarction

Table (7s): Post PPCI TIMI flow grades in the study groups

Post PPCI TIMI	Group (1) n= 25	Group (2) n= 35	Chi – squre X	Sig
TIMI 2	6 (24%)	6 (17.1 %)	0.4	> **0.05**
TIMI 3	19 (76%)	29 (82.9%)		

TIMI:thrombolysis in myocardial infarction , PPCI :Primary percutaneous intervention

Table (8s): showing MBG in the study groups:

MBG grades	Group (1) n= 25	Group (2) n= 35	Chi – squre X	Sig
MBG 0\1	1 (4%)	1 (2.9 %)	12.38	**<0.001**
MBG 2	5 (20%)	23 (65.7%)		
MBG 3	19 (76%)	11 (31.4 %)		

MBG:myocardial blush grade

Figure (1s) : Bland –Altman plot test, to detect whether there is a difference between 2 measurements of GLS

test value is non significant (p=0.411), denoting no significant interobserver variability in GLS measurements