

Table (1) Baseline characteristics and risk factors of the studied population

Variable	Group A (Euglycemic)	Group B (Hyperglycemia, not diabetics)	Group C (Hyperglycemia, diabetics)	P- value
Age (years) Mean $\pm$ SD Median(range)	61.66 $\pm$ 8.89 60 (42-83)	60.74 $\pm$ 9.67 60 (39-90)	60.38 $\pm$ 6.32 60 (43-70)	0.74
Sex Females Males	24 (48.00%) 26 (52.00%)	17 (34.00%) 33 (66.00%)	23 (46.00%) 27 (54.00%)	0.31
Smoking Yes	25 (50.00%)	30 (60.00%)	24 (48.00%)	0.44
Hypertension Yes	11 (22.00%)	18 (36.00%)	33 (66.00%)	<0.001
Dyslipidemia Yes	9 (18.00%)	19 (38.00%)	43 (86.00%)	<0.001
BMI (kg/m²) Mean $\pm$ SD	25.27 $\pm$ (2.41)	26.11 $\pm$ (2.31)	27.66 $\pm$ (4.55)	<0.001

Table (2) Clinical presentation of the studied population

Clinical presentation	Group A	Group B	Group C	P-value
UA	19 (38.00%)	18 (36.00%)	16 (32.00%)	0.26
NSTEMI	16 (32.00%)	15 (30.00%)	17 (34.00%)	0.19
STEMI	15 (30.00%)	17 (34.00%)	17 (34.00%)	0.57

Table (3): Lipid profiles of the studied population

Variable	Group A	Group B	Group C	P- value
Cholesterol level				
Mean ± SD	163.6±62.72	183.06±35.30	209.8±40.14	<0.001
Median	139.5 (68-386)	177.5 (110-250)	207.5 (130-303)	
(range)				
p1 <0.001, p2 <0.001, p3 <0.001				
Triglyceride level				
Mean ± SD	128.66±52.76	162.62±45.54	187.84±49.92	<0.001
Median	127 (40-253)	158.5 (80-259)	200 (59-260)	
(range)				
p1 <0.001, p2 <0.001, p3 <0.001				
LDL level				
Mean ± SD	77.56±16.12	91.8±19.23	106.03±19.33	<0.001
Median	76.5 (50-119)	90 (50-132)	110 (67-150)	
(range)				
p1 <0.001, p2 <0.001, p3 <0.001				
HDL level				
Mean ± SD	39.24±9.88	39.8±11.5	34.6±8.11	0.023
Median	37.5 (27-60)	37.5 (25-62)	32 (25-56)	
(range)				
P1 =0.97, p2 =0.012, p3 =0.025				

Table (4): Random blood sugar and HbA1c level of the studied population

Variable	Group A	Group B	Group C	P-value
Random blood sugar	118.56±10.73	258.32±73.46	257.68±77.21	<0.001
Mean ± SD	120 (99-137)	249.5 (155-500)	230 (180-500)	
Median (range)				
p1<0.001, p2<0.001, p3=0.53				
HbA1c				

Mean ± SD	5.73±0.43	5.77±0.57	9.11±1.69	<0.001
Median (range)	5.9 (4.8-6.4)	6 (4.5-6.5)	8.65 (7-14)	
p1=0.42, p2<0.001, p3<0.001				

Table (5): Univariate analysis for hospital outcomes of the studied population

Variable	Group A	Group B	Group C	P-value
Total outcome	5 (10.00%)	17 (34.00%)	26 (52.00%)	0.002
p1<0.0001, p2<0.0001, p3=0.07				
Individual outcomes				
Serious arrhythmia	1 (20.00%)	2 (16.66%)	3 (15.78%)	0.26
Pulmonary edema	1 (20.00%)	2 (16.66%)	3 (15.78%)	0.26
Cardiogenic shock	0	1 (8.33%)	2 (10.52%)	0.94
Recurrent ischemia	1 (20.00%)	3 (25.00%)	5 (26.31%)	0.16
Heart failure	1 (20.00%)	3 (25.00%)	4 (21.00%)	0.11
CVS stroke	1 (20.00%)	1 (8.33%)	2 (10.52%)	0.98
All-cause death	0	5 (10.00%)	7 (14.00%)	0.30

Table 6: Multivariate regression analyses for the total outcome and the glycemic state.

Variable	Unadjusted OR (95% CI) for hyperglycemic patients (group B+ C) versus euglycemic (group A) (reference)			Adjusted OR (95% CI) for hyperglycemic patients (group B+ C) versus euglycemic (group A) (reference)		
	OR	95% CI	p value	OR	95% CI	p value
Total outcome	2.25	1.89-3.54	0.005	1.79	1.31-3.12	0.01