

Table 1: serum biomarkers in studied populations:

parameter	Cases N=28	Controls N=47	P value
CPK level Mean $\pm$ SD Median (range)	2495.79 $\pm$ 3457.02 557 (245-11452)	36.19 $\pm$ 10.11 35 (21-60)	<0.0001
CPK group High Normal	28 (100%) 0	0 47 (100%)	<0.0001
Troponin I Mean $\pm$ SD Median (range)	0.03 $\pm$ 0.05 0.007 (0.0001-0.15)	0.01 $\pm$ 0.02 0.002 (0.0001-0.10)	0.37
Troponin I group Normal	28 (100%)	47 (100%)	1.00
Myoglobin level Mean $\pm$ SD Median (range)	39.39 $\pm$ 7.25 38.5 (30-53)	33.68 $\pm$ 12.38 33 (16-4764)	0.01
Myoglobin group Normal	28 (100%)	47 (100%)	1.00
LDH level Mean $\pm$ SD Median (range)	1232.07 $\pm$ 617.72 1503 (233-2425)	163.02 $\pm$ 109.62 137 (45-762)	<0.0001
LDH group No Yes	19 (67.86%) 9 (32.14%)	0 47 (100%)	<0.0001

Table (2): Echocardiographic parameters in studied populations:

parameter	Cases	Controls	P value
EF Mean $\pm$ SD Median (range)	59.86 $\pm$ 10.20 59 (45-80)	73.30 $\pm$ 5.08 75 (57-80)	<0.0001
EF group Low Normal	7 (25.00%) 21 (75.00%)	0 47 (100%)	0.0001
FS Mean $\pm$ SD Median (range)	20.29 $\pm$ 5.59 30 (22-41)	36.17 $\pm$ 2.58 37 (28-40)	<0.0001
FS group Low normal	7 (25.00%) 21 (75.00%)	0 47 (100%)	0.001
Left ventricular	Cases	Controls	P value

dilation			
Yes	1 (3.57%)	0	0.37
No	27 (96.43%)	47 (100%)	