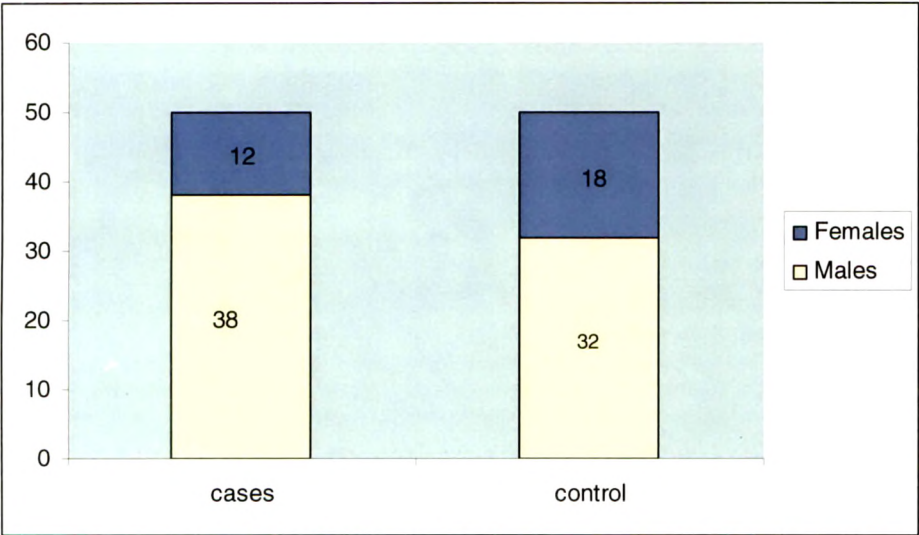


DATA ANALYSIS AND RESULTS

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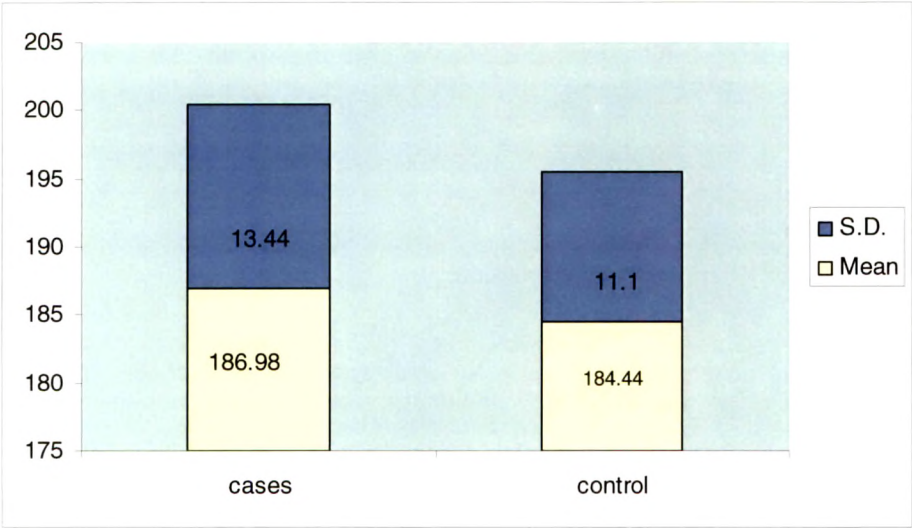
TABLE-I SEX DISTRIBUTION IN YOUNG PATIENTS WITH MYOCARDIAL INFARCTION



	Cases	Controls
Males	38	32
Females	12	18

The table I shows that of the 50 patients having myocardial infarction 38 were males, suggesting a higher incidence of myocardial infarction in males in population with age ≤ 40 years. This data shows that male sex is an important risk factor for myocardial infarction in young population.

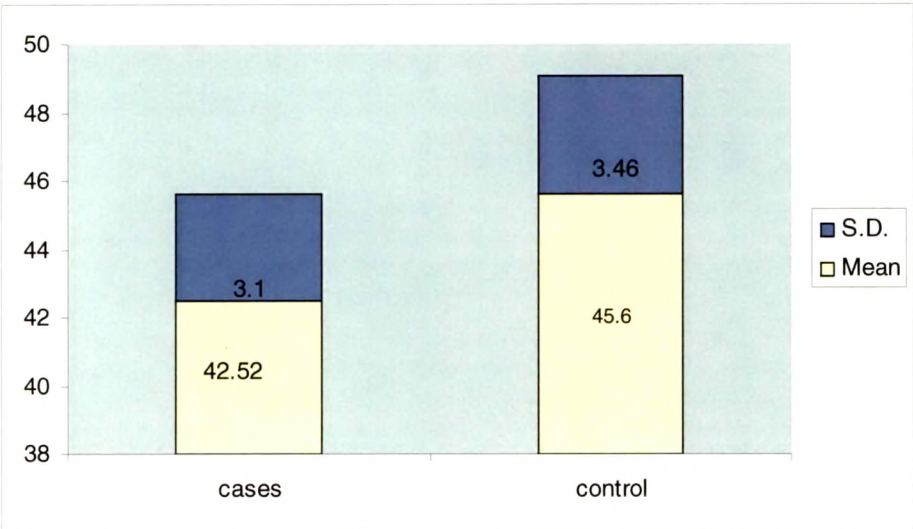
TABLE II TOTAL CHOLESTEROL IN CASE AND CONTROL GROUPS OF MYOCARDIAL INFARCTION



TOTAL CHOLESTEROL mg%	CASES	CONTROL
Mean	186.98	184.44
S.D.	13.44	11.1
p value = 0.8192		

The table II shows that the mean total cholesterol was 186.98 mg% in case group and 184.44 mg% in control group. The standard deviation for total cholesterol in case group was 13.44 mg% and in control group was 11.1 mg%.

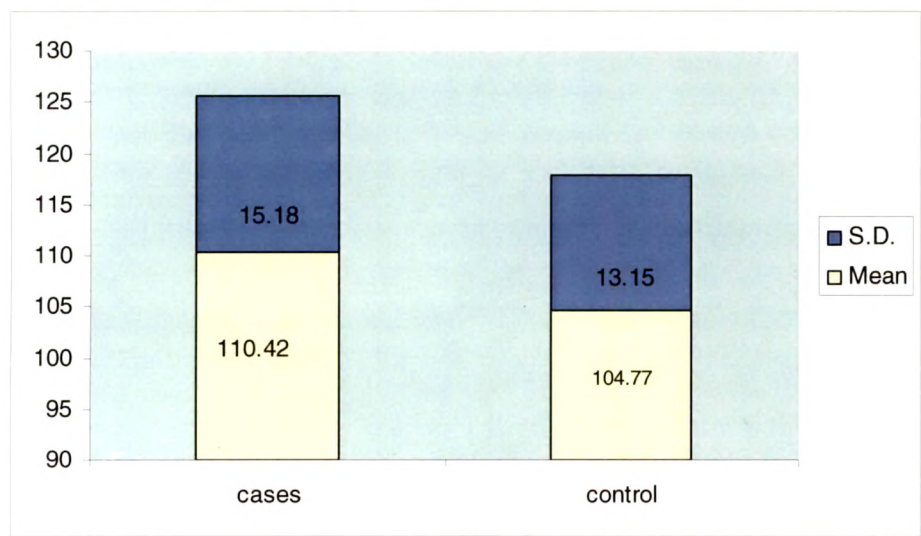
TABLE III: HDL-CHOLESTEROL IN CASE AND CONTROL GROUPS OF MYOCARDIAL INFARCTION



HDL CHOLESTEROL mg%	CASES	CONTROL
Mean	42.52	45.6
S.D.	3.10	3.46
p value =0.11		

The table III shows that mean HDL-C in case group was 42.52 mg% and in control group was 45.6 mg%. The standard deviation in case group was 3.10 mg% and in control group was 3.46 mg%.

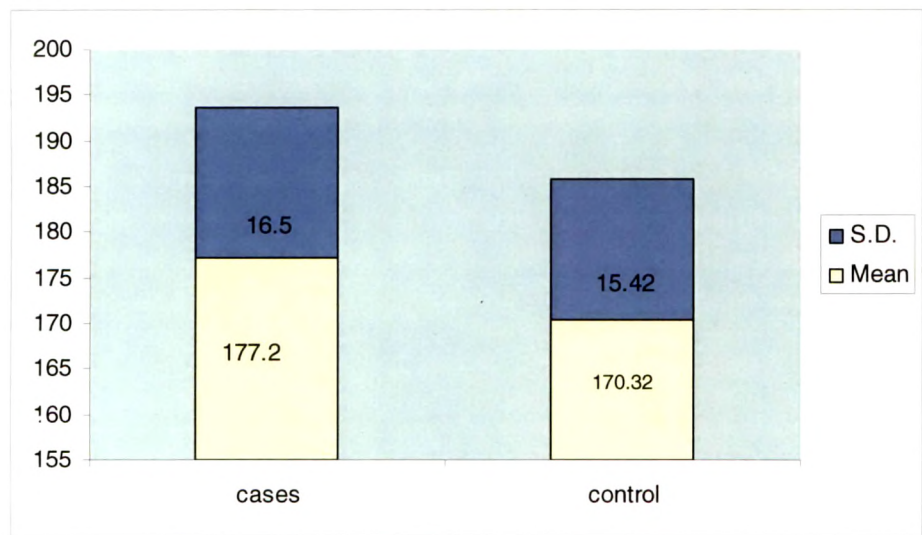
TABLE IV: LDL-CHOLESTEROL IN CASE AND CONTROL GROUPS OF MYOCARDIAL INFARCTION



LDL CHOLESTEROL mg%	CASES	CONTROL
Mean	110.42	104.77
S.D.	15.18	13.15
p value =0.8143		

The table IV shows that mean LDL-C in case group was 110.42 mg% and in control group was 104.77 mg%. The standard deviation in case group was 15.18 mg% and in control group was 13.15 mg%.

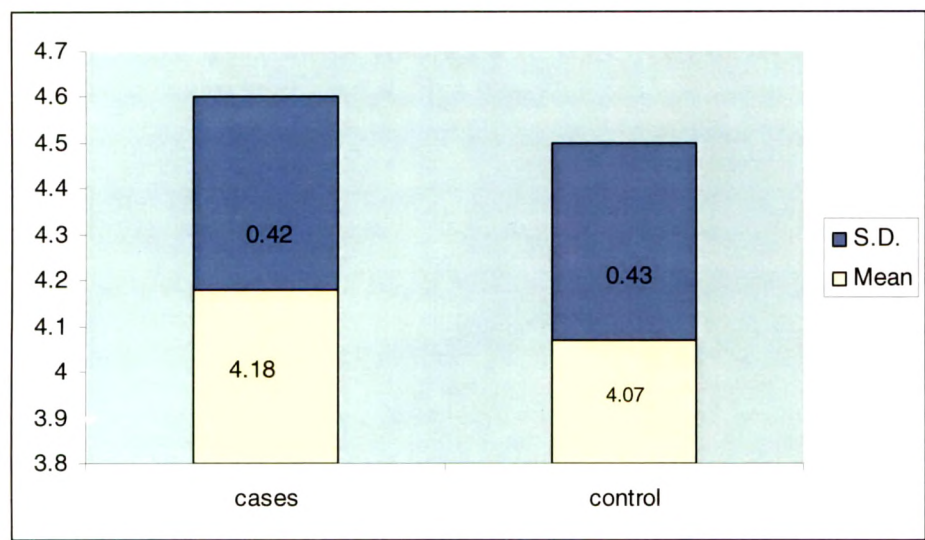
TABLE V: SERUM TRIGLYCERIDE LEVELS IN CASE AND CONTROL GROUPS OF MYOCARDIAL INFARCTION



TRIGLYCERIDE mg%	CASES	CONTROL
Mean	177.2	170.32
S.D.	16.50	15.42
p value =0.1177		

The table V shows that the mean triglyceride levels in case and control groups were 177.2 mg% and 170.32 mg% respectively. The standard deviation in the case and control groups was 16.50 mg% and 15.42 mg% respectively.

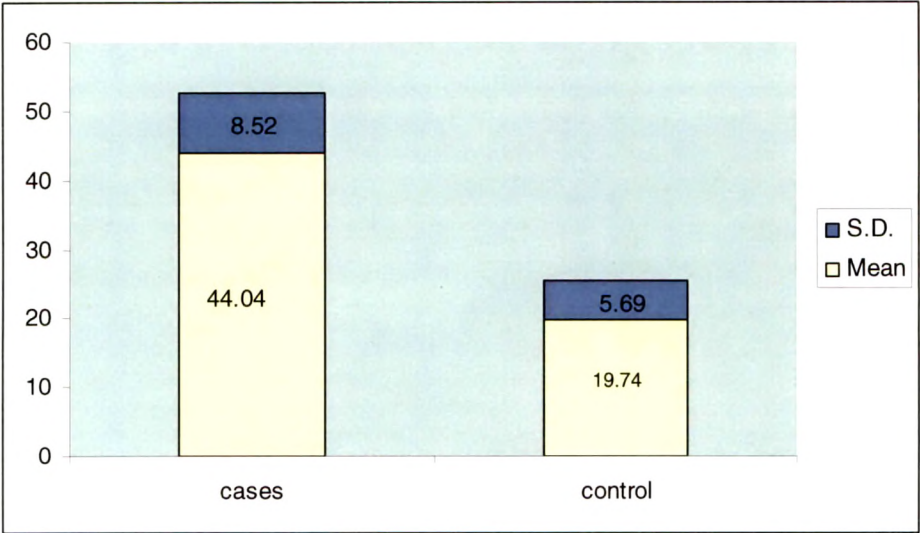
TABLE VI: TOTAL CHOLESTEROL TO HDL-CHOLESTEROL RATIO IN CASE AND CONTROL GROUPS OF MYOCARDIAL INFARCTION



CHOL/HDL-C RATIO mg %	CASES	CONTROL
Mean	4.18	4.07
S.D.	0.42	0.43
p value =0.2129		

The table VI shows that the mean cholesterol/HDL-C ratio was 4.18 and 4.07 in case and control groups respectively. The standard deviation in the case and control groups was 0.42 and 0.43.

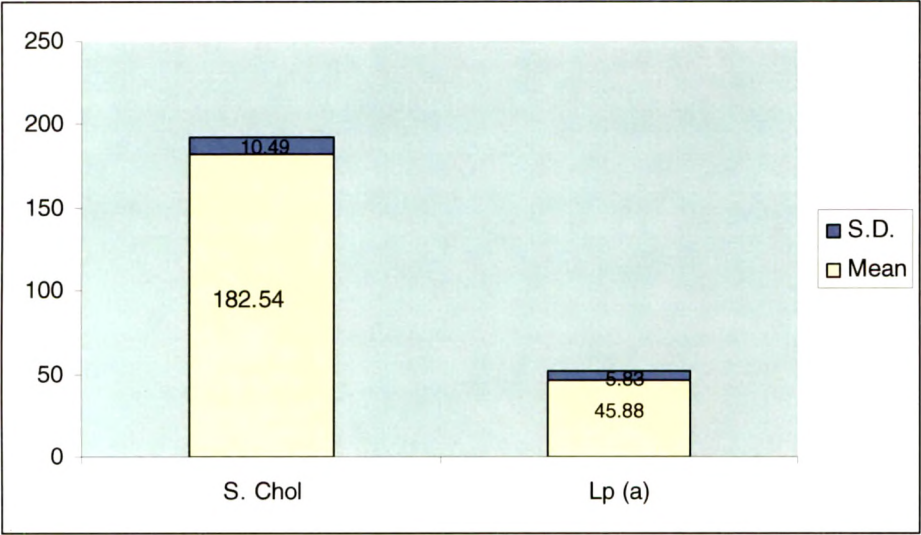
TABLE VII: SERUM LIPOPROTEIN (a) LEVELS IN CASE AND CONTROL GROUPS OF MYOCARDIAL INFARCTION



S. LIPOPROTEIN (a) mg%	CASES	CONTROL
Mean	44.04	19.74
S.D.	8.52	5.69
p value =0.0001		

The table VII shows that the mean serum lipoprotein (a) in case and control groups was 44.04 mg/dl and 19.74 mg/dl, respectively. The standard deviation in case and control groups was 8.52 mg/dl and 5.69 mg/dl, respectively.

TABLE VIII : SERUM LIPOPROTEIN IN PATIENT OF MYOCARDIAL INFARCTION WITH S. CHOLESTEROL LEVEL <200 mg %.



	S. Cholesterol<200 mg %	S. Lp (a)
No. of Patient	44	44
Mean	182.54	45.88
S.D.	10.49	5.83
p value = 0.001		

The table VIII shows that the mean serum cholesterol (<200mg%) and serum lipoprotein (a) in case groups was 182.54 mg/dl and 45.88 mg/dl, respectively. The standard deviation was 10.49 mg/dl and 5.83 mg/dl, respectively.

In compare to controls of Lipoprotein (a), it shows that it is significantly (p'value) higher than it.