RESULTS

Table (1) : Descriptive data of group I (Patients) & II (Control) :

Group (I) :

No	Variable	No.	Mean	S.D.	Range	
					Minimum	Maximum
1	Age	20	28.8000	5.1667	20.0000	37.0000
2	Duration of infertility	20	1.3500	0.4894	1.0000	2.0000
+3	Parity	20	0.4500	0.6863	0.0000	2.0000
4	Abortion	20	0.0500	0.2236	0.0000	1.0000

Group (II) :

No	Variable	No.	Mean	S.D.	Range	
					Minimum	Maximum
1	Age	20	32.5500	6.3285	19.0000	40.0000
2	Parity	20	2.7000	1.3018	1.0000	5.0000
3	Abortion	20	0.2500	0.4443	0.0000	1.0000

Table (2) : Relation between studied groups as regards age:

St. gp. Age (ys)	Group I No=20	Group II No=20
Mean	28.8	31.6
±S.D	±5.2	± 5.8
t	1.640	
p	>0.05	

This table shows that there is insignificant difference between group I and Group II as regards age.

Table (3) :Relation between studied groups as regards parity:

St.gp. Age (ys)	Group I No=20	Group II No=20
Mean	0.4500	2.7000
S.D	0.6863	1.3018
t	6.8374	
p	<0.01	

This table shows that there is highly significant difference between group I and Group II as regards parity.

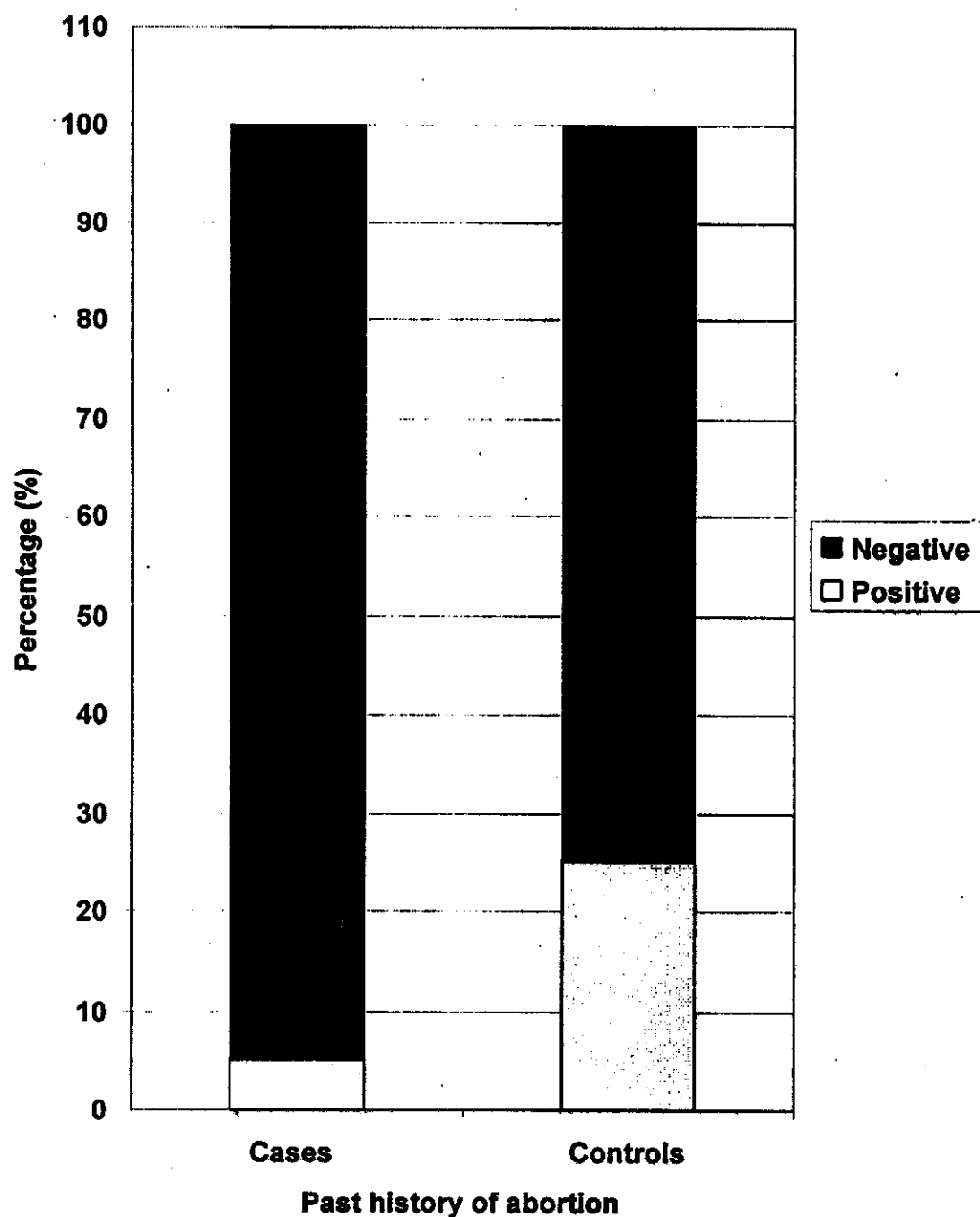Fig. (1) : Past hist of abortion among the studied groups.

Table (5) : Relation between results of ELIZA test for chlamydia trachomatis and type of infertility among the studied groups.

Infertility / Elisa test	Iry no (13)		2ryno (7)		Total		X^2	P
	No	%	No	%	No	%		
IgG positive	8	61.5	2	28.6	10	50.0	1.978	>0.05
Negative	5	38.5	5	-	10	50.0		N.S
IgM positive	6	46.1	2	28.6	8	40.0	0.586	>0.05
Negative	7	53.9	5	71.4	12	60.0		N.S

This table shows that there is insignificant difference between type of infertility and results of ELISA test.

Table (6) : Relation between the results of Elisa test for chlamydia trachomatis & the use of I.U.D

Inf	Non IUD user n=15		IUD user N=5		X^2	P
+ Ve ELISA for IgG	9	60.0	1	20.0	2.400	> 0.05
- Ve ELISA for IgG	6	40.0	4	80.0		(N.S)
+Ve ELISA for IgM	7	46.7	1	20.0		> 0.05
-Ve ELISA for IgM	8	53.3	4	80.0	1.111	(N.S.)

For Elisa test for IgG

X^2=2.400

P> 0.05 (N.S)

For Elisa test for IgM:

X^2= 1.111

P> 0.05(N.S)

Table (7): Results of chlamydia trachomatis by Elisa for IgG among the studied groups.

St . gp. / IgG	Cases		Control		Total	
	No.	%	No.	%	No.	%
Positive (> 19.8 VE)	10	50.0	2	10.0	12	30.0
Negative (up to 19.8 VE)	10	50.0	18	90.0	28	70.0
Total	20	100.0	20	100.0	40	100.0

$X^2 = 7.619$

$P > 0.05$

Fig. (2) : IgG by ELISA test among the studied groups.
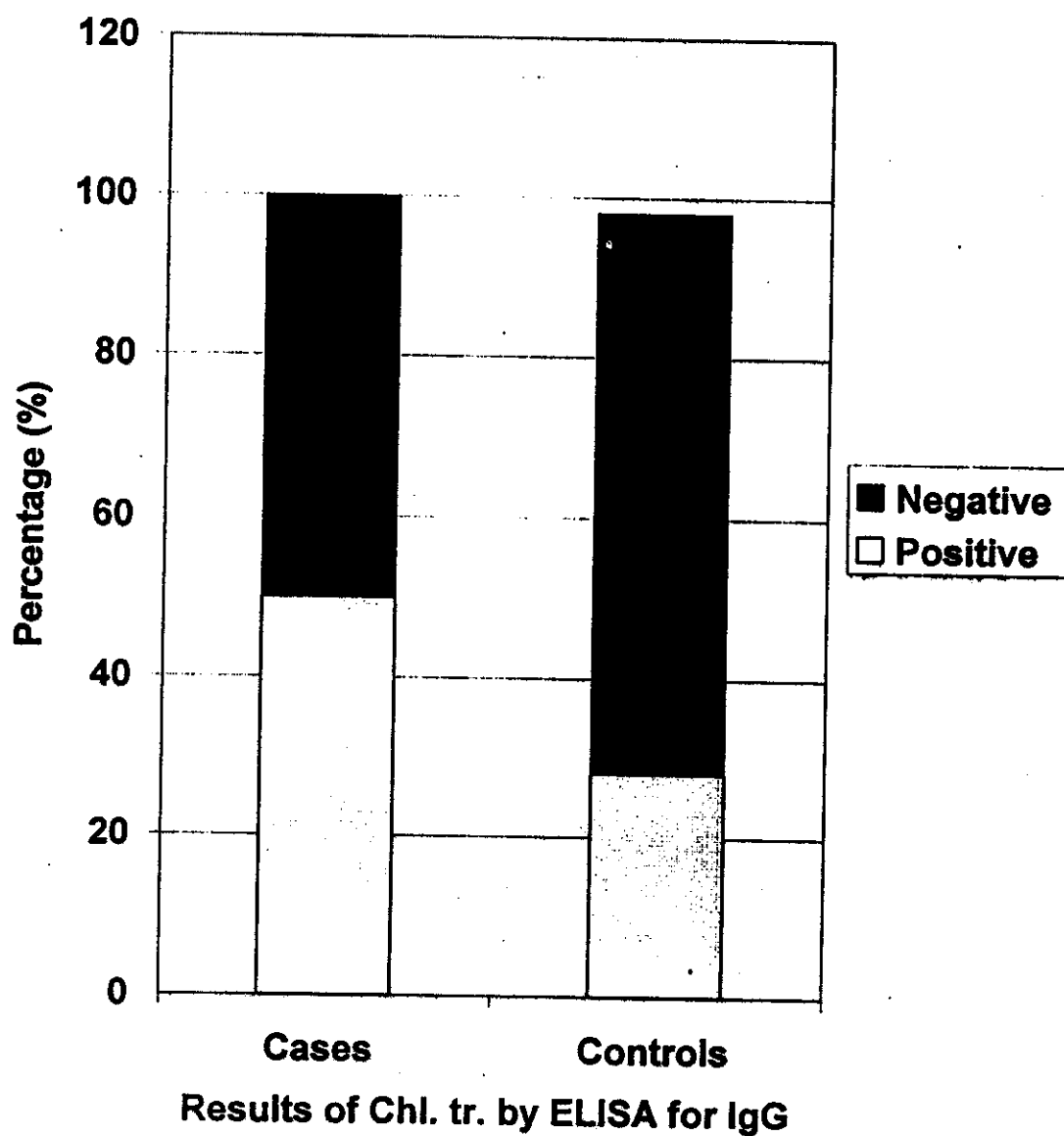
Table (8): Results of chlamydia trachomatis by ELISA for IgM among the studied groups.

St . gp. IgG	Cases		Control		Total	
	No.	%	No.	%	No.	%
Positive (> 25.3 VE)	8	40.0	0	0.0	8	20
Negative (up to 25 VE)	12	60.0	20	100.0	32	80.0
Total	20	100.0	20	100.0	40	100.0

Fig. (3) : IgM by ELISA test among the studied groups.
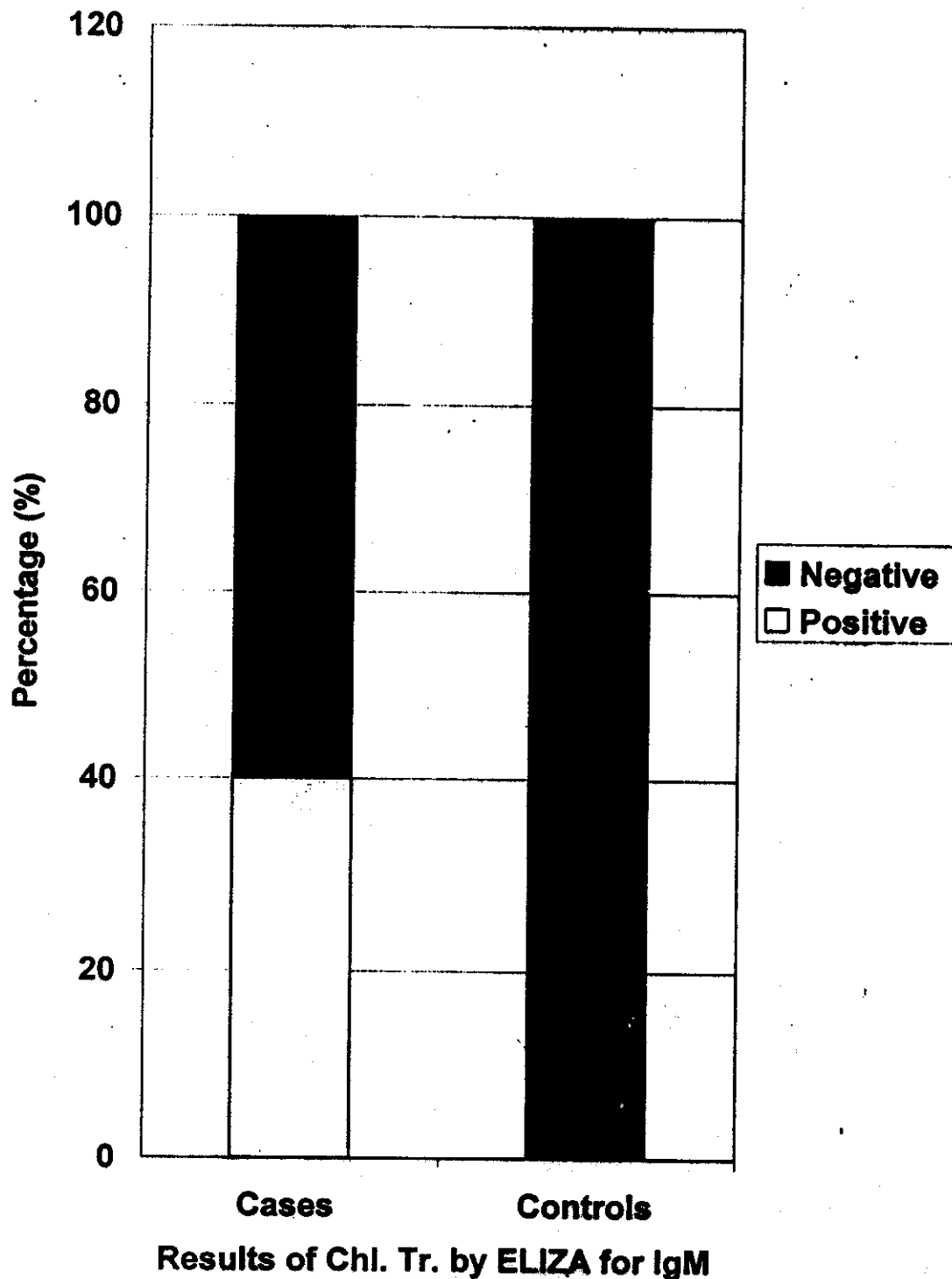
Table (9): Comparison between the studied groups regarding results of ELISA for IgG:

IgG ＼ St. gp.	Cases (n=20)	Controls (n=20)
Range	3.4-26.2	2.1 –21.8
Mean (X)	15.4	8.2
±S.D	±7.4	± 5.1

$T = 3.579$

$P < 0.05$

This table shows that there is significant differences between patients and controls as regards result of Elisa for IgG

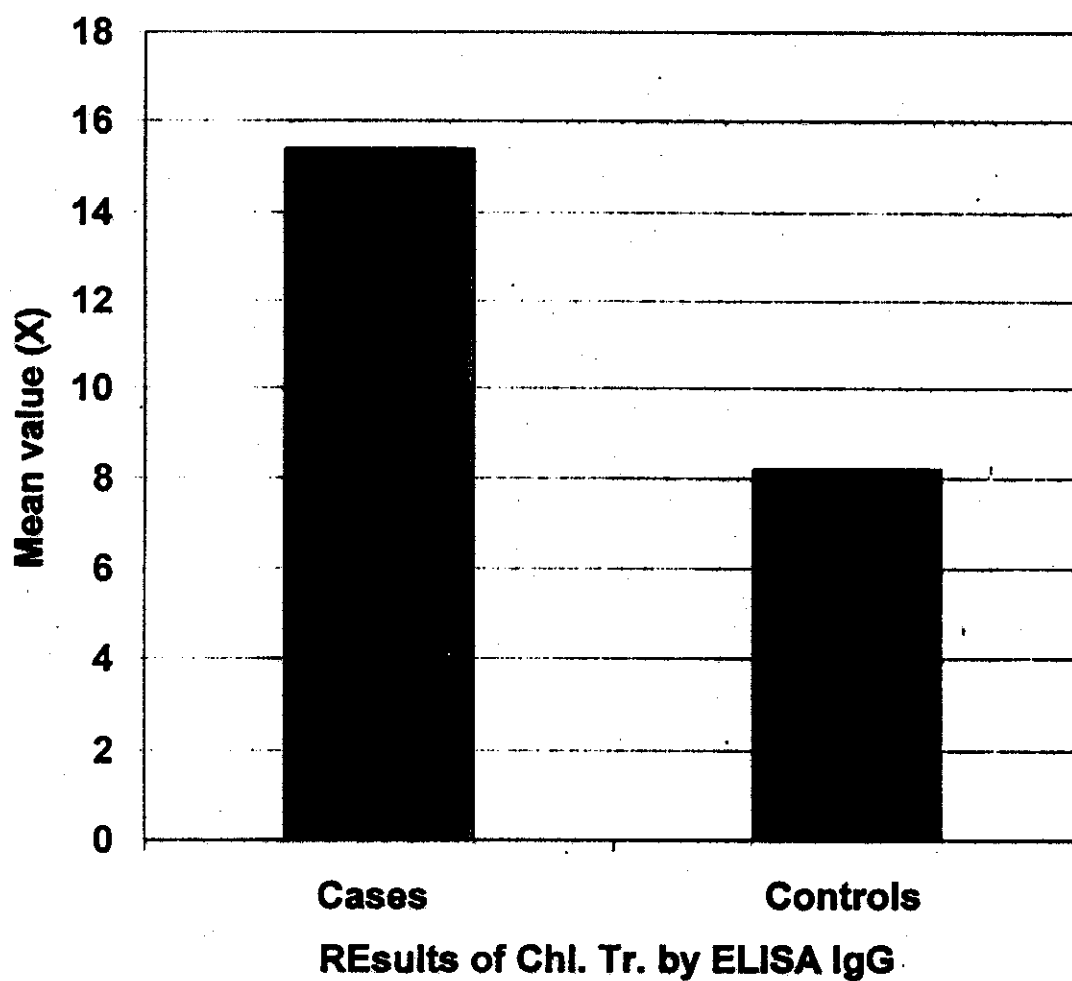Fig. (4) : Comparison between the studied groups regarding IgG

Table (10): Comparison between the studied groups regarding results of ELISA for IgM:
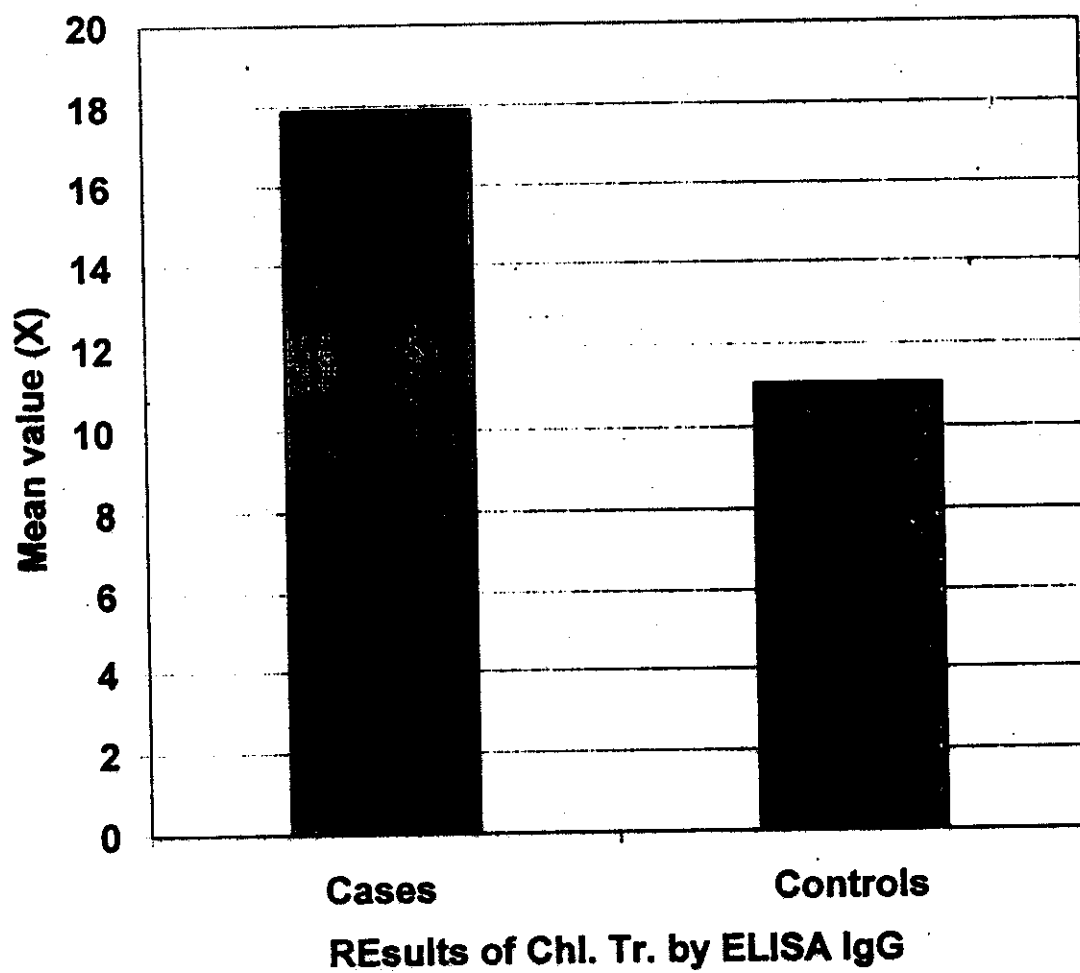
St. gp. IgG	Cases (n=20)	Controls (n=20)
Range	7.54- 29.4	8.3± 14.9
Mean (X)	17.9	11.1
±S.D	± 8.0	± 2.0

T= 3.684

P < 0.05

This table shows that there is significant differences between patients and controls as regards result of Elisa for IgM.

Fig. (5) : Comparison between the studied groups regarding IgM

Evaluation of diagnostic methods:

$$sensitivity = \frac{true\ positive}{true\ Positive + false\ negative} \times 100$$

$$= \frac{20}{20 + 10} \times 100 \quad =$$

$$= \frac{20}{30} \times 100$$

$$= 66 \ .7 \ \%$$

$$Specificit = \frac{true\ negative}{true\ negative + falsepostive} \times 100$$

$$= \frac{6}{6+4} \times 100$$

$$= \frac{6}{10} \times 100$$

$$= 60.0\%$$

$$Positive\ predictive\ value = \frac{true\ Positive}{trve\ positive + fulse\ positive} \times 100$$

$$= \frac{20}{20+4} \times 100$$

$$= \frac{20}{24} \times 100$$

$$= 83.3°\%$$

$$Negative\ predictive\ value = \frac{true\ negative}{trve\ negative + false\ negative} \times 100$$

$$= \frac{6}{6+10} \times 100$$

$$= \frac{6}{16} \times 100$$

$$= 37.5\%$$