

RESULTS

Table (12): distribution of the studied groups according to sex:

	Males		Females		total	%
	No	%	No	%		
All cases	11	40.7	16	59.3	27	64.3
Control cases	5	33.3	10	66.7	15	35.7
Total	16	38	26	62	42	100

Table (13) the two studied groups regarding age and laboratory results:

	Patients group		Control group		P.	Signif. Diff.
	Mean	Std. Dev.	Mean	Std. Dev.		
Age	10.6	2.3	10.1	2.0	>0.05	N.S.
ESR 1 st hr.	45.4	33.7	10.6	5.3	<0.001	H.S.
ESR 2 nd hr.	67.1	41.2	21.2	8.2	<0.001	H.S.
ICAM-1	630.6	296.1	396.5	87.3	<0.01	H.S.

Table (14): Studying the relation between sex and laboratory results and duration of the disease per day among the first group (Patients group):

	Females		Males		P	Signif. Diff.
	Mean	Std. Dev.	Mean	Std. Dev.		
Age	10.8	1.6	10.3	3.0	>0.05	N.S.
ESR 1 st hr.	40.9	34.3	52.00	33.3	>0.05	N.S.
ESR 2 nd hr.	61.4	43.3	75.5	38.4	>0.05	N.S.
ICAM-1	655.5	311.6	594.5	282.7	>0.05	N.S.
Duration	920.4	722.9	1339.5	1044.6	>0.05	N.S.

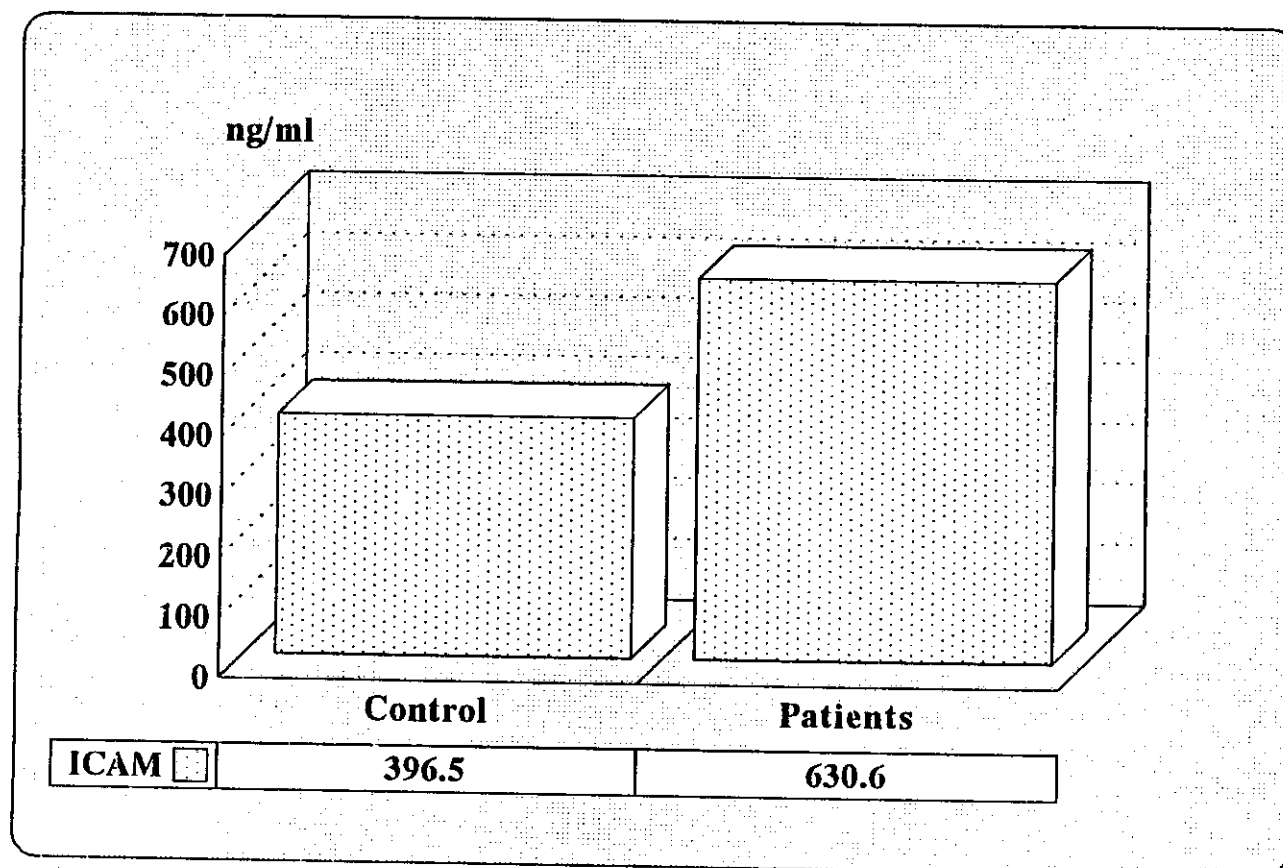


Fig. (6): Comparison between mean values of control and patient groups regarding ICAM-1

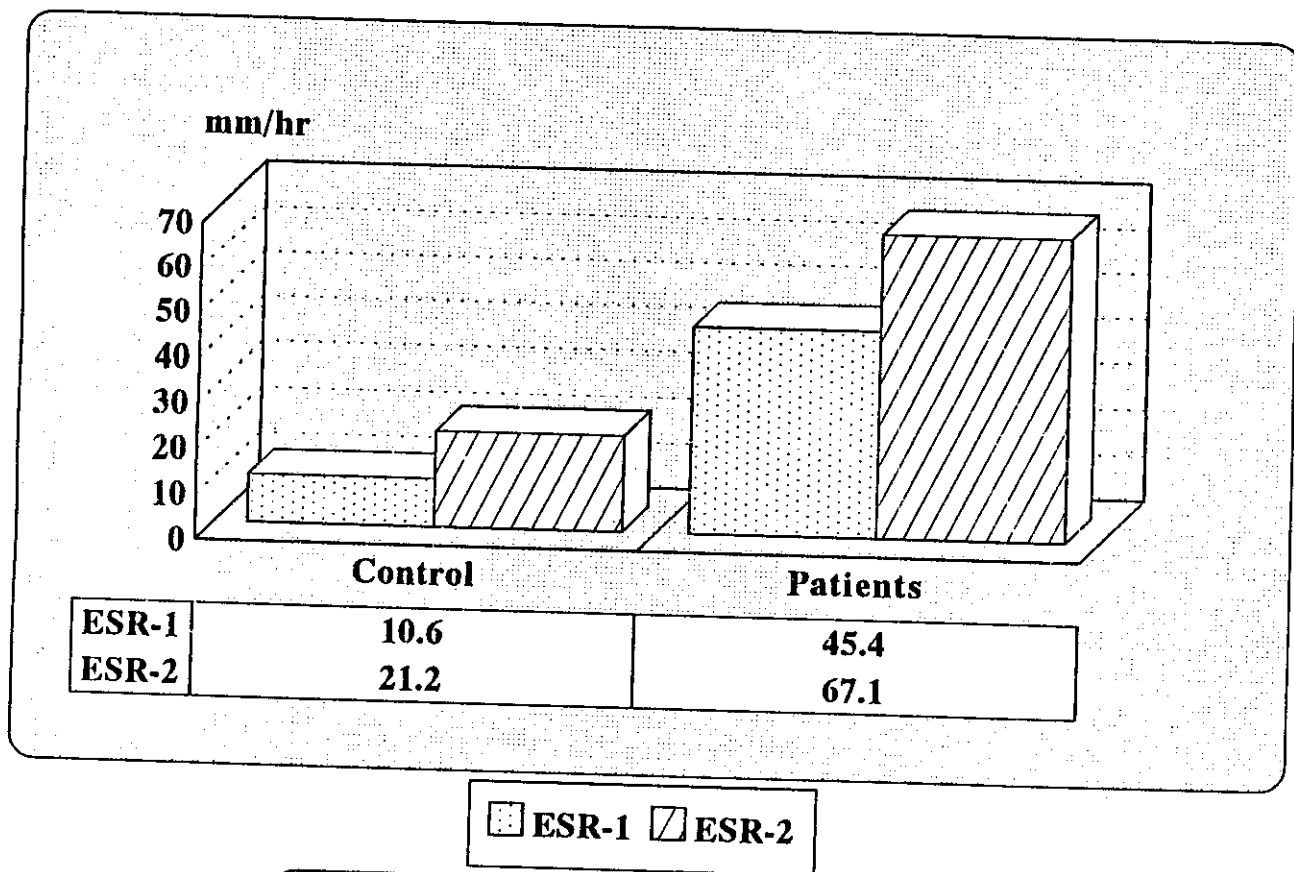


Fig. (7): Comparison between mean values of control and patient groups regarding ESR

-Table (15): Studying the relation between CRP& ASOT regarding age, ESR, ICAM-1 level & duration of disease :

	(CRP-ve&ASOT -ve) group		(CRP+ve&ASOT +ve) group		P.	Signif. Diff
	Mean	Std. Dev.	Mean	Std. Dev.		
Age	10.3	2.0	10.7	2.5	> 0.05	N.S.
ESR 1 st hr.	15.5	9.1	69.3	25.8	< 0.001	H.S.
ESR 2 nd hr.	27.9	15.1	98.5	24.6	< 0.001	H.S.
ICAM-1	410.1	86.2	807.0	286.4	< 0.001	H.S.
Duration	1259.7	767.7	956.3	956.0	> 0.05	N.S.

Table (16a):Comparison between patients group according to (CRP -ve & ASOT -ve) and control group regarding age & laboratory results :

	(CRP-ve&ASOT -ve) group		Control group		P.	Signif. Diff.
	Mean	Std. Dev.	Mean	Std. Dev.		
Age	10.3	2.0	10.1	2.0	>0.05	N.S.
ESR 1 st hr.	15.5	9.1	10.6	5.3	<0.05	S.
ESR 2 nd hr.	27.9	15.1	21.2	8.2	>0.05	N.S.
ICAM-1	410.1	86.1	396.5	87.3	>0.05	N.S.

Table (16b) : Comparison between patients group according to (CRP +ve & ASOT +ve) and control group.

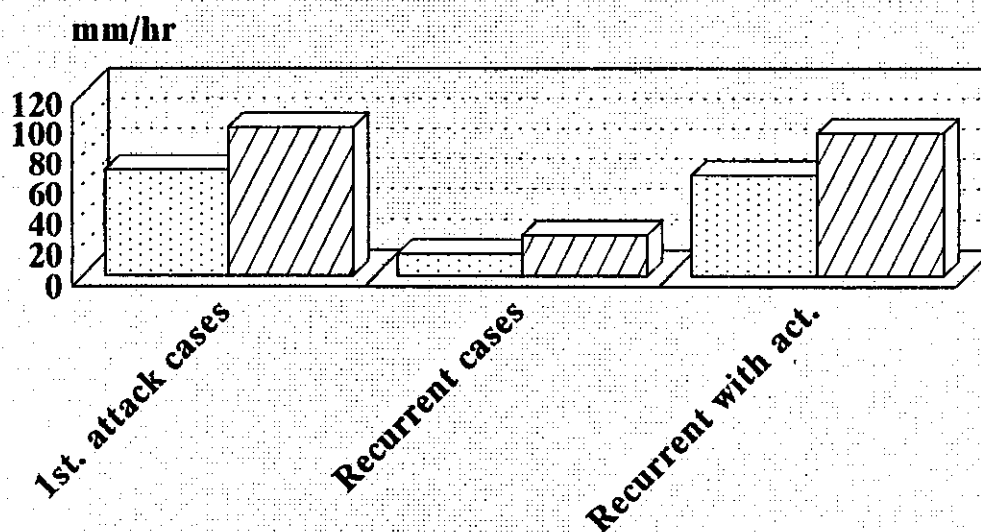
	(CRP+ve&ASOT +ve) group		Control group		P.	Signif. Diff
	Mean	Std. Dev.	Mean	Std. Dev.		
Age	10.7	2.5	10.1	2.0	> 0.05	N.S.
ESR 1 st hr.	69.3	25.8	10.6	5.3	< 0.001	H.S.
ESR 2 nd hr.	98.5	24.6	21.2	8.2	< 0.001	H.S.
ICAM-1	807.0	286.4	396.5	87.3	< 0.001	H.S.

Table (17) : Comparison between cases of first attack and recurrent cases regarding lab. results, age and duration of the disease per day.

	First attack	chronic inactive Rh dis.	Recurrent with activity	F Ratio		Signif.
	Mean	Mean	Mean		P.	Diff
Age	9.0	10.5	11.3	1.2	> 0.05	N.S.
ESR 1 st hr.	69.2	14.2	65.8	19.0	< 0.001	H.S.
ESR 2 nd hr.	97.6	26.4	94.0	27.9	< 0.001	H.S.
ICAM-1	779.6	390.9	802.7	10.6	< 0.001	H.S.
Duration	12.7	1241.5	1432.3	4.2	< 0.05	S.

Table (18) : Correlation between different laboratory results with each other and with (age and duration of the disease per day).

	Age	ESR1 st hr.	ESR 2 nd hr.	ICAM-1	Duration
Age	1.00000				
ESR 1 st hr	0.14291	1.00000			
ESR 2 nd hr	0.12368	0.96802	1.00000		
ICAM-1	0.19916	0.57514	0.61575	1.0000	
Duration	0.45326	-0.04253	-0.13014	0.03452	1.00000



ESR-1	69.2	14.182	65.818
ESR-2	97.6	26.364	94

Fig. (8): Comparison between mean values of all patients classified according to diagnosis regarding ESR

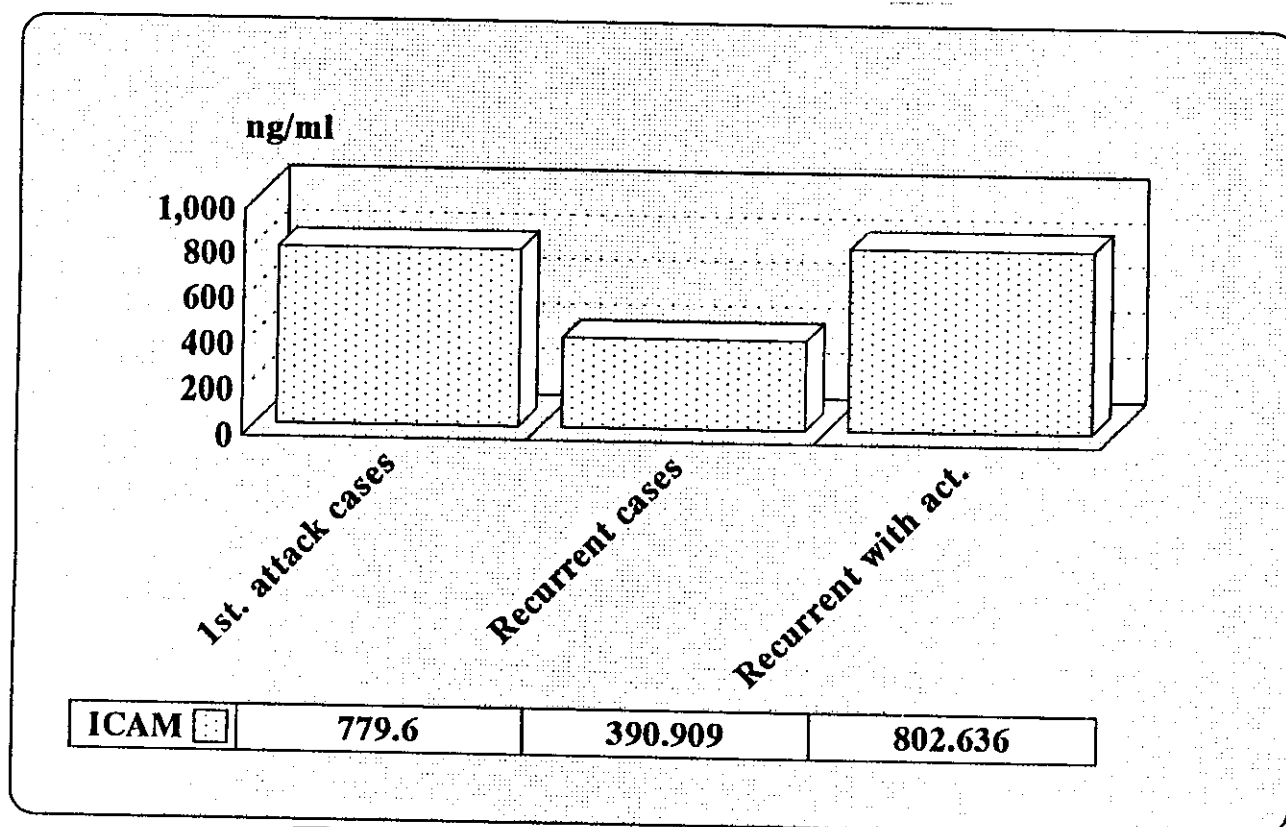


Fig. (9): Comparison between mean values of all patients classified according to diagnosis regarding ICAM

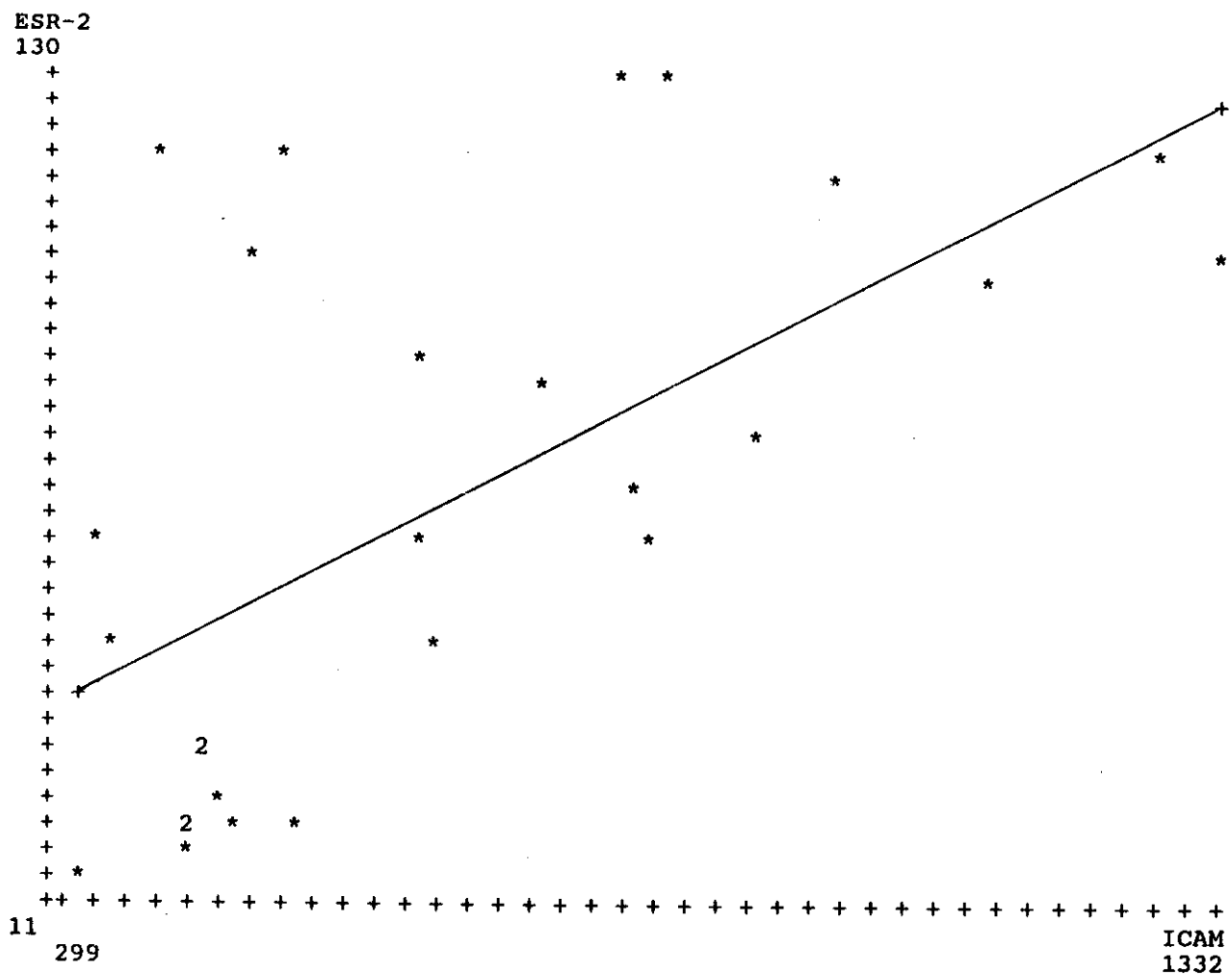


Fig. (10): The relation between ESR 1st hr and ICAM-1
 $(\text{ESR-1}) = 4.12 + 0.0656 (\text{ICAM})$

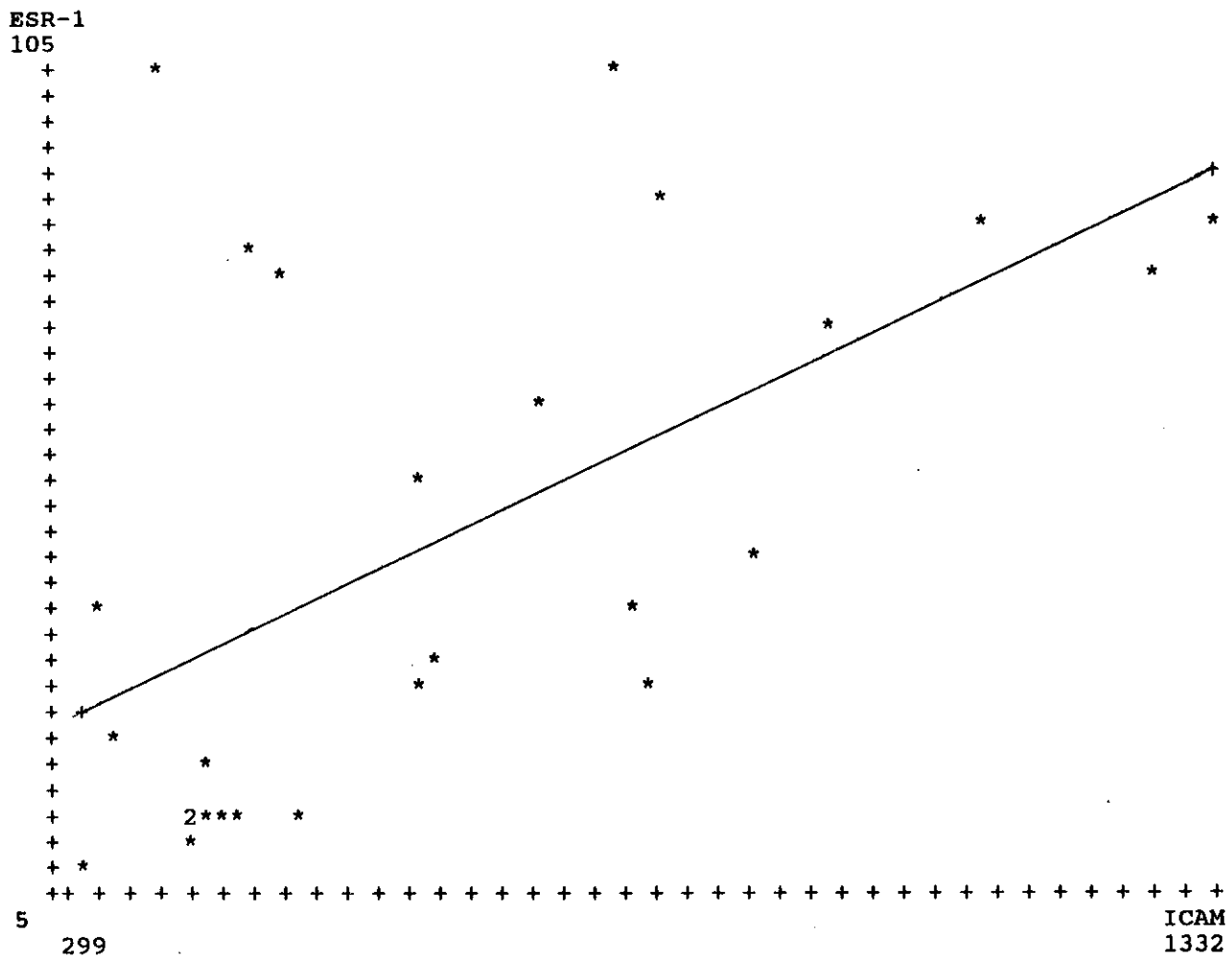


Fig. (11) : The relation between ESR 2nd hr and ICAM-1
 $(\text{ESR-2}) = 13.1 + 0.0857 (\text{ICAM})$