Results

Table (1): Comparison between pre treatment and post treatment laboratory investigations in interferon group.

Laboratory tests	Treatments	Mean*	Std. Deviation	T	p
Hb	pre	14.04	0.779	12.10	< 0.001
	post	11.26	0.561		
WBC	pre	5373.60	821.462	13.90	< 0.001
	post	3556.00	621.208		
Platlets	pre	194640.00	27717.143	13.10	< 0.001
	post	141200.00	19487.175		
AST	pre	51.24	10.674	9.90	< 0.001
	post	22.04	5.898		
ALT	pre	46.88	8.177	11.50	< 0.001
	post	21.04	4.774		
PCR	pre	584560.00	552852.307	5.30	< 0.001
	post	0.00	.000		

*mean values of N=25   P< 0.001

There was statistical comparison between different laboratory values in interferon group before and after treatment and this was statistically significant in all different laboratory results.

Table (2): Comparison between pretreatment and post treatment fibroscan results in interferon group.

		Fibroscan pretreatment									
		F1		F2		F3		F4		Total	
		No.	%	No.	%	No.	%	No.	%	No.	%
Fibroscan post treatment	F0	0	0%	3	12%	5	20%	0	.0%	8	32.0%
	F1	0	.0%	3	12%	2	8%	0	.0%	5	20.0%
	F2	0	.0%	2	8%	0	.0%	4	16.0%	6	24.0%
	F4	0	.0%	0	.0%	0	.0%	6	24.0%	6	24.0%
	Total	0	0%	8	32%	7	28%	10	40.0%	25	100.0%

$X^2 = 25.2$ $p < 0.01$

There was statistical comparison between fibroscan results before and after treatment in interferon group and this was statistically significant.

Table (3): Comparison between pretreatment and posttreatment laboratory investigations in silymarin group.

		Mean*	Std. Deviation	T	P
Hb	pre	14.08	0.773	2.4	> 0.05
	post	13.20	0.740		
WBC	pre	5322.00	754.139	0.2	> 0.05
	post	5373.60	821.462		
Platelets	pre	194640.00	27717.143	0.4	> 0.05
	post	197200.00	25967.929		
AST	pre	22.04	5.898	2.1	> 0.05
	post	20.07	5.003		
ALT	pre	21.04	4.774	2.2	> 0.05
	post	19.06	4.345		
PCR	pre	584560.00	552852.307	2.01	> 0.05
	post	813000.00	694209.082		

*mean values of N=25   P> 0.05

There was statistical comparison between different laboratory values in silymarin group before and after treatment and this was statistically non significant.

Table (4): Comparison between pretreatment and posttreatment fibroscan results in silymarin group.

		fibroscan pretreatment							
		F2		F3		F4		Total	
		No.	%	No.	%	No.	%	No.	%
Fibroscan post treatment	F1	7	28.0%	1	4.0%	1	4.0%	9	36.0%
	F2	1	4.0%	2	8.0%	2	8.0%	5	20.0%
	F3	4	16.0%	1	4.0%	3	12.0%	8	32.0%
	F4	1	4.0%	1	4.0%	1	4.0%	3	12.0%
	Total	13	52.0%	5	20.0%	7	28.0%	25	100.0%

$X^2 = 5.7$ $p > 0.05$

There was statistical comparison between fibroscan results in silymarin group before and after treatment and this was statistically non significant.

Table (5): Comparison between pretreatment and posttreatment laboratory investigations in captopril group.

		Mean*	Std. Deviation	T	P
Hb	pre	12.05	0.773	2.1	> 0.05
	post	12.70	0.740		
WBC	pre	5172.00	754.139	0.18	> 0.05
	post	5553.60	821.462		
Platlets	pre	200123.00	27717.143	0.5	> 0.05
	post	193452.00	25967.929		
AST	pre	29.08	6.002	2.31	> 0.05
	post	33.01	5.993		
ALT	pre	28.04	4.943	1.9	> 0.05
	post	30.06	4.676		
PCR	pre	699360.00	582771.602	1.1	> 0.05
	post	813000.00	694209.082		

*mean values of N=25   P> 0.05

There was statistical comparison between different laboratory results in captopril group before and after treatment and this was statistically non significant.

Table (6): Comparison between pretreatment and posttreatment fibroscan results in captopril group.

		fibroscan pretreatment							
		F2		F3		F4		Total	
		No.	%	No.	%	No.	%	No.	%
Fibroscan posttreatment	F2	6	24.0%	3	12.0%	3	12.0%	12	48.0%
	F3	6	24.0%	3	12.0%	3	12.0%	12	48.0%
	F4	0	.0%	0	.0%	1	4.0%	1	4.0%
	Total	12	48.0%	6	24.0%	7	28.0%	25	100.0%

$X^2 = 2.7$ $p > 0.05$

There was statistical comparison between fibroscan results in captopril group before and after treatment and this was statistically non significant.

Table (7): Comparison between pretreatment and posttreatment laboratory investigations in pentoxiphylline group.

		Mean*	**Std. Deviation**	**t**	**P**
Hb	pre	11.09	0.699	2.7	> 0.05
	post	13.70	0.920		
WBC	pre	5127.00	768.422	0.3	> 0.05
	post	5373.60	831.882		
Platelets	pre	163523.00	22439.825	0.3	> 0.05
	post	187356.00	19967.326		
AST	pre	31.09	6.753	2.23	> 0.05
	post	30.23	6.639		
ALT	pre	37.12	7.004	2.4	> 0.05
	post	33.03	6.993		
PCR	pre	834520.00	564232.056	1.3	> 0.05
	post	900210.00	598723.002		

*mean values of N=25   P> 0.05

There was statistical comparison between different laboratory results in pentoxiphylline group before and after treatment and this was statistically non significant.

Table (8): Comparison between pretreatment and posttreatment fibroscan results in pentoxiphylline group.

		fibroscan pretreatment							
		F2		F3		F4		Total	
		No.	%	No.	%	No.	%	No.	%
Fibroscan posttreatment	F2	7	28.0%	3	12.0%	2	8.0%	12	48.0%
	F3	3	12.0%	2	24.0%	2	8.0%	7	28.0%
	F4	2	8.0%	1	4.0%	3	12.0%	6	24.0%
	Total	12	48.0%	6	24.0%	7	28.0%	25	100.0%

$X^2 = 2.4$ $p > 0.05$

There was statistical comparison between fibroscan results before and after treatment in pentoxiphylline group and this was statistically non significant.

Table (9): Comparison between biopsy and fibro sacn before treatment.

		Biopsy(Metavir)												
		F0		F1		F2		F3		F4			Total	
		No.	%	No.	%	No.	%	No.	%	No.	%		No.	%
Fibroscan pretreatment	F0	0	0%	0	0%	0	0%	0	0%	0	0%		0	0%
	F2	0	0%	23	23%	15	15%	3	3%	0	0%		41	41%
	F3	0	0%	5	5%	19	19%	2	2%	2	2%		28	23%
	F4	0	0%	0	0%	3	3%	25	25%	3	3%		31	31%
	Total	0	0%	28	28%	37	37%	30	30%	5	5%		100	100%

$X^2 = 141.6$ $p < 0.001$

There was statistical comparison between liver biopsy results and fibroscan results before treatment and this was statistically significant

Table (10): Statistical analysis for APRI score in Interferon group.

		N	Mean	Std. Deviation	t	p
APRI	pre	25	0.6728	0.22643	5.4	< 0.001
	post	25	0.3920	0.08031		

There was statistical analysis for APRI score in interferon group before and after treatment and this was statistically significant.

Table (11): Statistical analysis for APRI score in silymarin group.

		N	Mean	Std. Deviation	t	p
APRI	Pre	25	0.2372	0.11349	1.6	> 0.05
	post	25	0.2804	0.05054		

There was statistical analysis for APRI score in silymarin group before and after treatment and this was statistically non significant.

Table (12): Statistical analysis for APRI score in Captopril group.

		N	Mean	Std. Deviation	t	p
APRI	Pre	25	0.2354	o.14245	1.9	> 0.05
	post	25	0.2788	0.05442		

There was statistical analysis for APRI score in captopril group before and after treatment and this was statistically non significant.

Table (13): Statistical analysis for APRI score in pentoxiphylline group.

		N	Mean	Std. Deviation	t	P
APRI	Pre	25	0.2240	0.12325	2.4	> 0.05
	post	25	0.2920	0.05220		

There was statistical analysis for APRI score in pentoxiphylline group before and after treatment and this was statistically non significant.

Table (14): correlation between APRI , fibroscan , biopsy and PCR pretreatment in four groups:

	APRI	
	r	p
Fibroscan	0.016	0.878
biopsy	0.069	0.493
PCR pre	0.012	0.909

This table shows no significant stastistical correlation between APRI ,fibroscan, biopsy&PCR in the four groups pretreatment.

Table (15): correlation between APRI and fibroscan posttreatment:

	Apri post	
	r	p
Fibro scan post	-0.021	0.835

This table shows no significant stastistical correlation between APRI &fibroscan in the four groups posttreatment.

Figure (1): shows the comparison between haemoglobin values before &after treatment in interferon group:
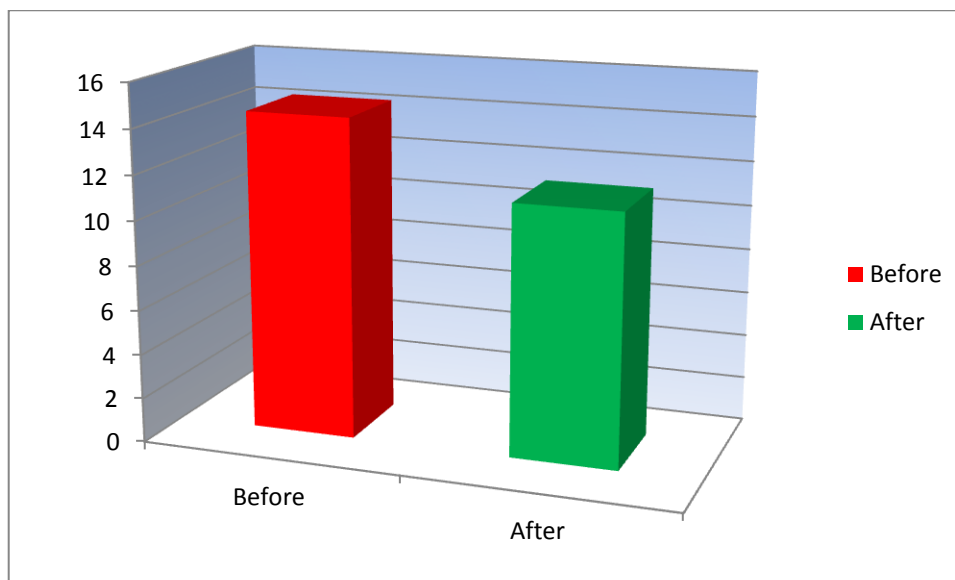
Figure (2): shows the comparison between tranaminases levels before &after treatment in interferon group:
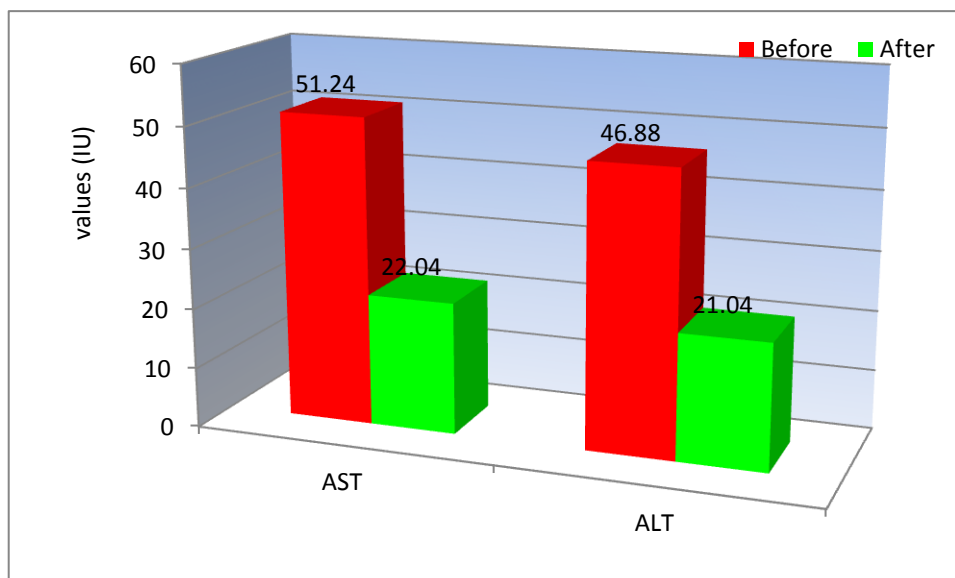
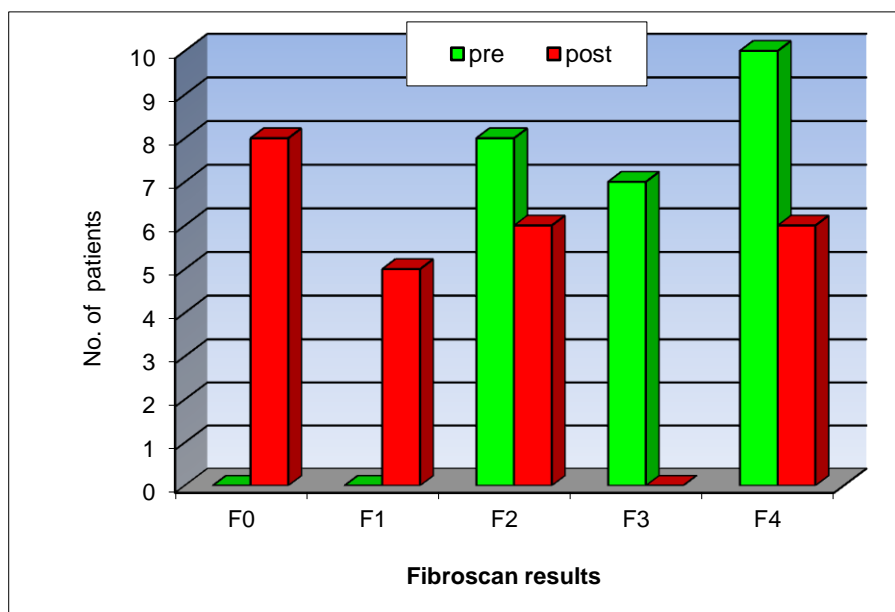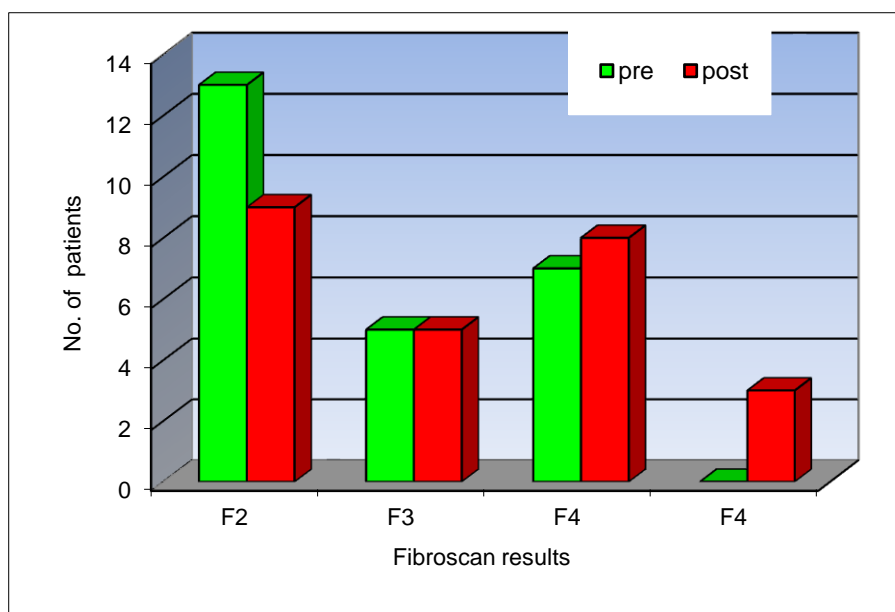*Figure (3)*: shows the comparison between WBCs levels before &after treatment in interferon group:
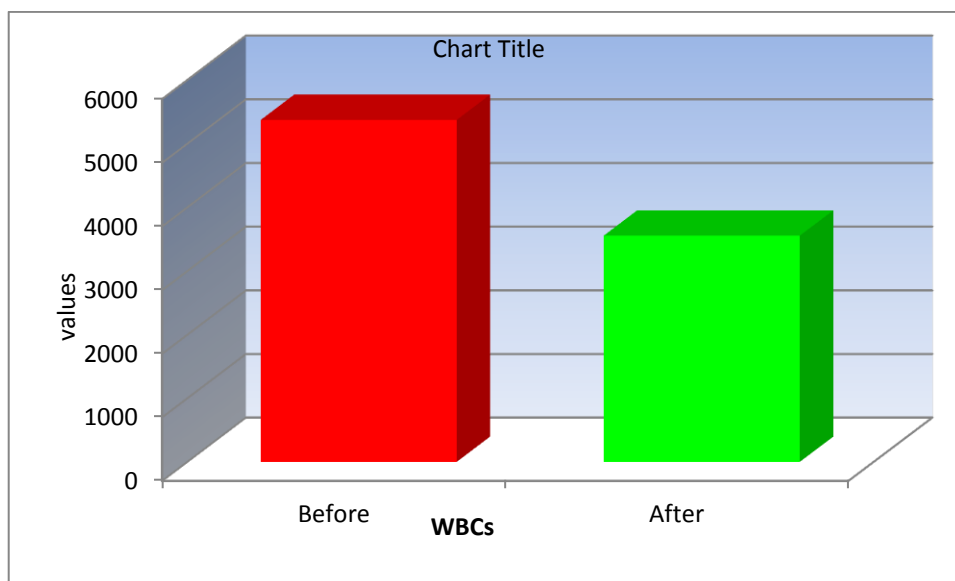
Figure (4): shows the comparison between PCR&platlets values before &after treatment in interferon group:
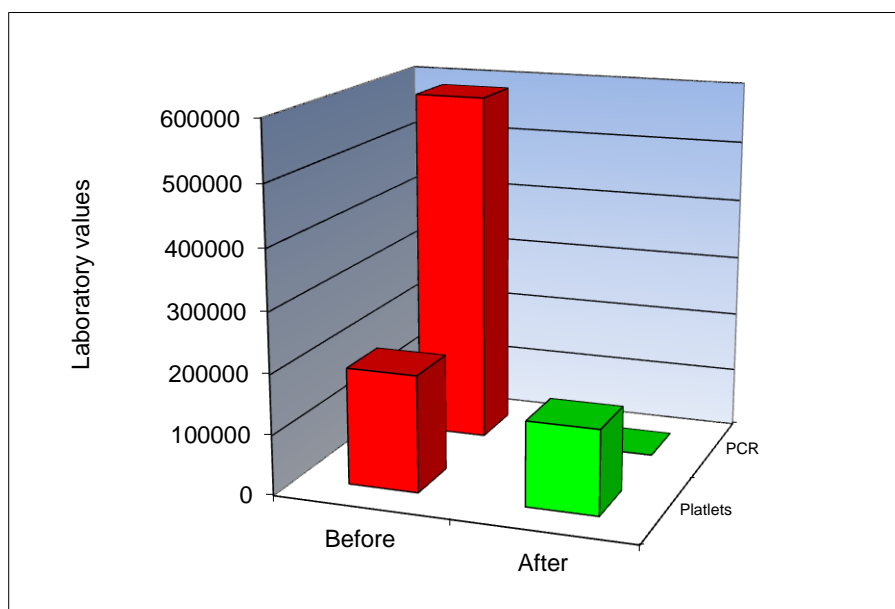
Figure (5): shows the comparison between fibroscan results before &after treatment in interferon group:

***Figure (6)***: shows the comparison between fibroscan results before &after treatment in silymarin group:

Figure (7): shows the comparison between fibroscan results before &after treatment in captopril group:
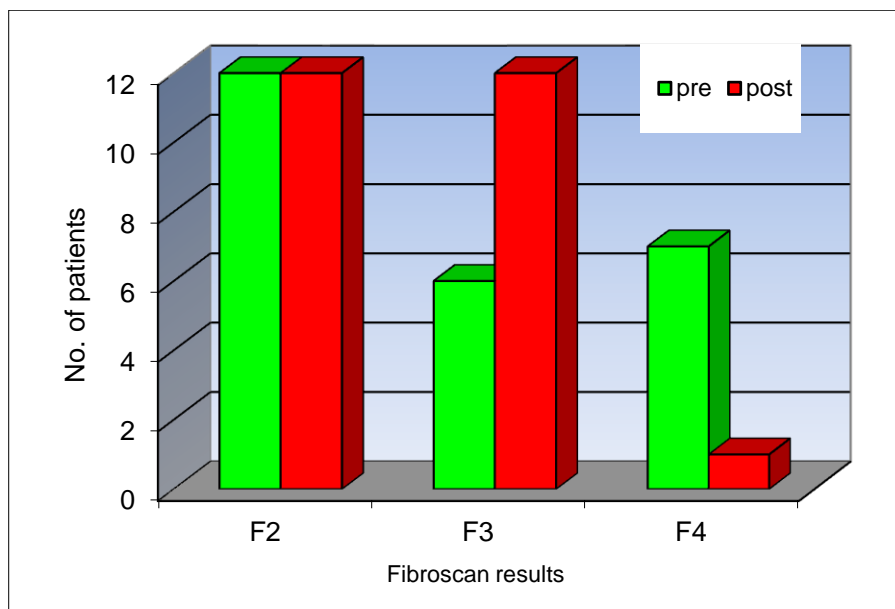
*Figure (8)*: shows the comparison between fibroscan results before &after treatment in pentoxiphylline group:
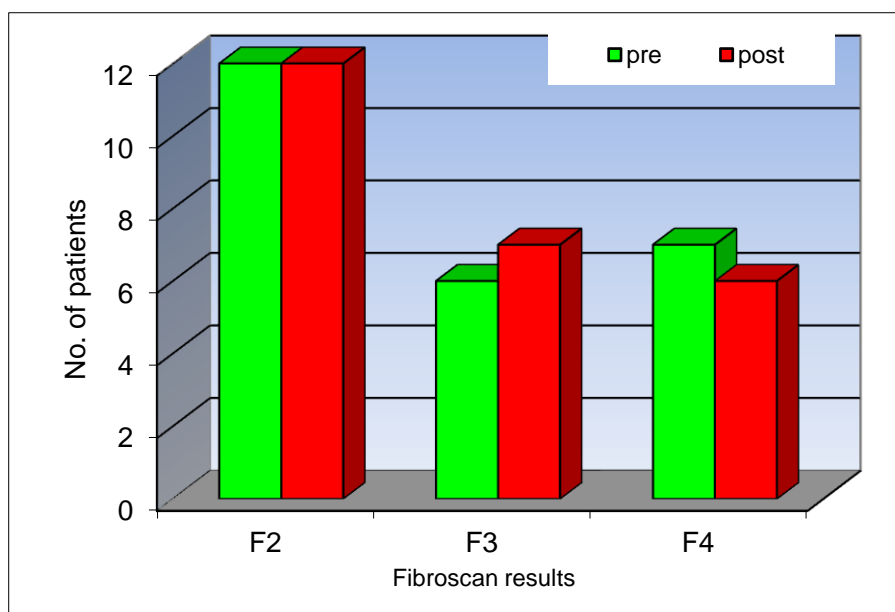
Figure(9): correlation between APRI & fibroscan pretreatment in four groups:
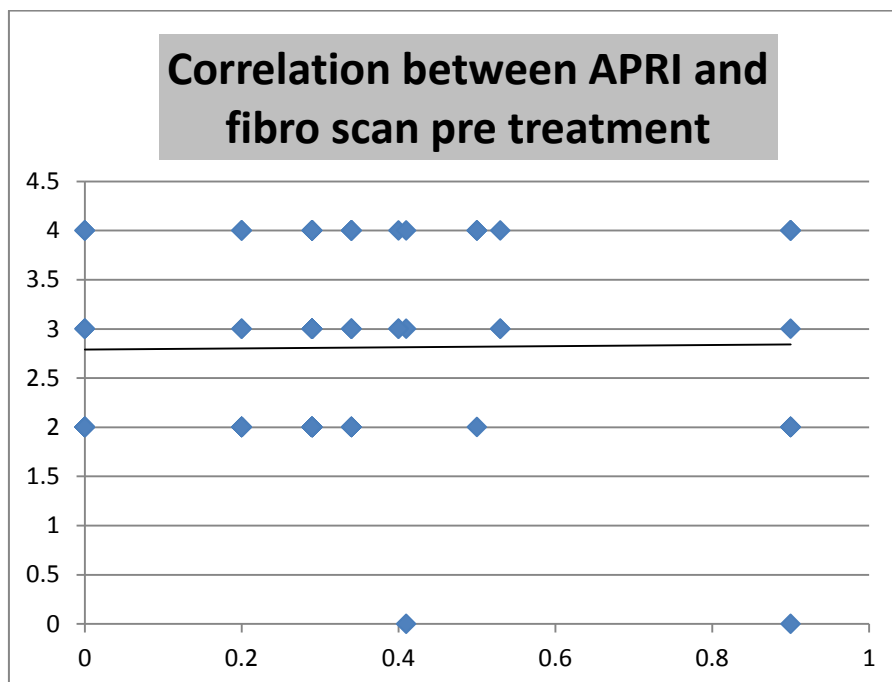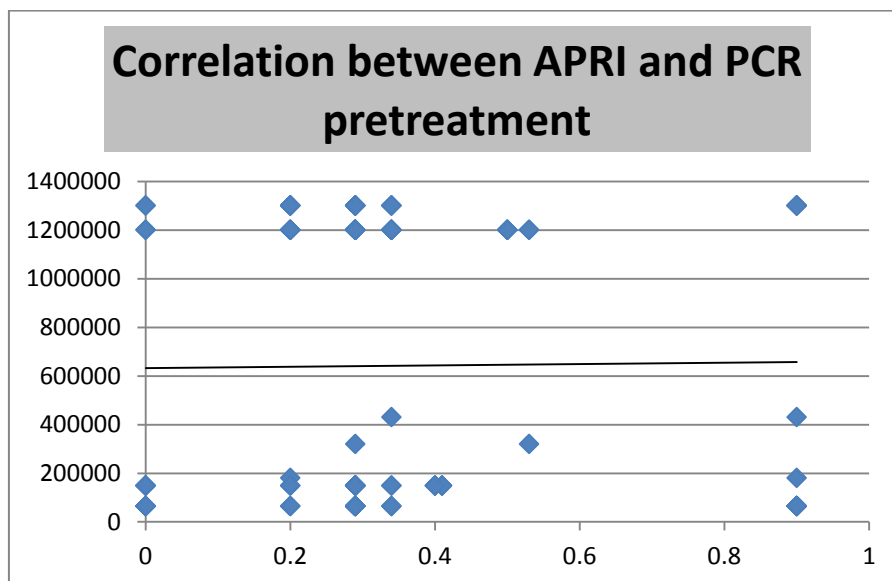

This figure shows no significant stastistical correlation between APRI &fibroscan, in the four groups pretreatment.

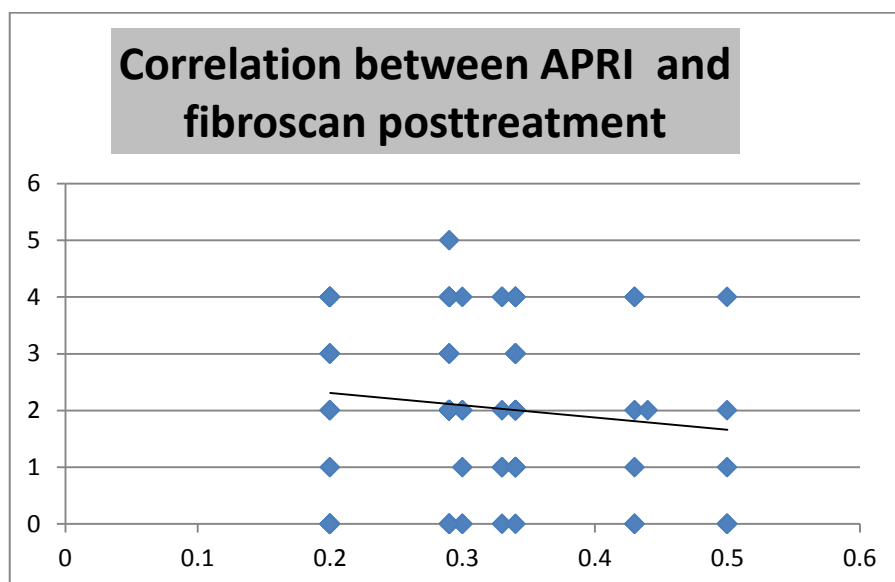*Figure(10):* correlation between APRI & biopsy pretreatment in four groups:
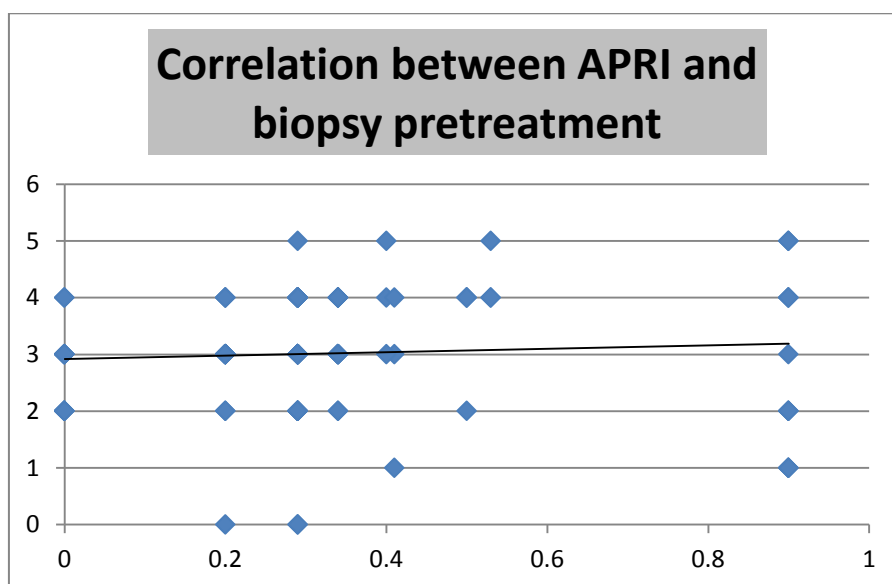
This figure shows no significant stastistical correlation between APRI &biopsy in the four groups pretreatment.

Figure(11): correlation between APRI & PCR pretreatment in four groups:

Correlation between APRI and PCR pretreatment

This figure shows no significant stastistical correlation between APRI &PCR in the four groups pretreatment.

Figure(12): correlation between APRI & fibroscan postreatment in four groups:

Correlation between APRI and fibroscan posttreatment

This figure shows no significant stastistical correlation between APRI &fibroscan, in the four groups posttreatment.