## **RESULTS**

This work was conducted on 100 patients with chronic HCV infection . 50 of them(steatotic group) showing hepatic steatosis in the histopathological examination of the liver biopsy, all of them are of mild steatosis, the other 50(non steatotic group) showing no steatosis on liver biobsy.

Table(8)shows comparison between both studied groups as regard Age .this table shows that no statistically significant difference could be detected between both studied groups as regard age.

Table(9)shows comparison between studied groups as regard Gender. this table shows that no statistically significant difference could be detected between both studied groups as regard gender.

Table(10) groups shows comparison between studied as regard body mass index(BMI). this table shows that no statistically significant difference between both studied groups as regard BMI.

Table(11)shows comparison between both studied groups as regard fasting blood sugar(FBS).this table shows that no statistically difference could be detected between both studied groups as regard FBS.

Table (12) shows comparison between both studied groups as regard prothrombine time(P.T). This table shows that no stastically significant difference could be detected between both studied groups as regard P.T.

Table (13) shows Comparison between both studied groups as regard serum albumin. This table shows that no statistically significant difference could be detected between both studied groups as regard serum albumin.

Table(14) shows comparison between both studied groups as regard serum AST.this table shows that no statistically significant difference could be detected between both studied groups as regard AST.

Table(15) shows comparison between both studied groups as regard ALT.this table shows that no statistically significant difference could be detected between both studied groups as regard ALT.

Table (16) shows Comparison between both studied groups as regard serum bilirubin. This table shows that no statistically significant difference could be detected between both studied groups as regard serum bilirubin.

Table (17) Shows comparison between both studied groups as regard inflammatory score(I.S).this table shows that the steatotic cases had higher I.S compared to non steatotic cases with statistically significant difference.

Table (18) shows comparison between both studied groups as regard fibrotic score. This table shows that steatotic group had a higher fibrosis score compared to non steatotic group with statistically significant difference.

Table(19) shows comparison between both studied groups as regard hemoglobin(Hb).this table shows that no statistically significant difference could be detected between both studied groups as regard Hb.

Table(20) shows comparison between both studied groups as regard white blood cells(WBC).this table shows that no statistically significant difference could be detected between both studied groups as regard WBC.

Table(21) shows comparison between both studied groups as regard platelets.this table shows that no statistically significant difference could be detected between both studied groups as regard platelets.

Table(22)shows PCR at week zero(before treatment).this table shows no statistically significant difference between both studied groups as regard HCV-RNA level..9

Table(23) shows PCR at week 12.this table shows that 38cases (76%)in steatotic group achieved early virological response(EVR) and became PCR negative, the other 12 cases(24%) did not achieve EVR and discontinued therapy.in non steatotic group 42 cases(84%) achieved EVR, other 8 cases(16%) did not achieve EVR and discontinued therapy.with statistically significant difference between both studied groups(p-value 0.024).

Table(24) shows PCR at week 24.in steatotic group, 35 cases (92.2%)were PCR negative and 3 cases(7.8%) were positive and discontinued therapy.

In non steatotic group, 38(90.5%) cases were negative and 4 cases(9.5%) were positive and discontinued therapy.with statistically significant difference between both studied groups(p-value 0.021).

Table(25) shows PCR at week 48. in steatotic group 33(94.3%) cases were PCR negative and 2 cases(5.7%) were positive and discontinued therapy.in non steatotic group there are 35 cases(92.1%) PCR negative and 3(7.9%) cases were positive and discontinued therapy. with statistically significant difference between both studied groups(p- value 0.032).

Table (26) shows PCR at week 72 (6 months after end of treatment).this table shows 30 cases(90.9%) were PCR negative and 3 cases(9.1%) were positive in steatotic group.in non steatotic group there is 32(91.4%) cases negative and 3 cases(8.6%) positive.with statistically non significant difference between both studied groups.

Table (27) shows the sustained virological response(SVR) between both studied groups . this table shows 60% response to the anti viral treatment in steatotic

group comparable to 64% in non steatotic group with statistically non significant difference between both studied groups (p- value 0.099).

Table(8)

Age	Steatotic	Non steatotic	
Mean	38.98	35.25	
<u>+</u> SD	8.93	5.64	
t. test	0.639		
p. value	0.528 NS		

NS = non significant

Table(8)shows comparison between both studied groups as regard Age .this table shows that no statistically significant difference could be detected between both studied groups as regard age.

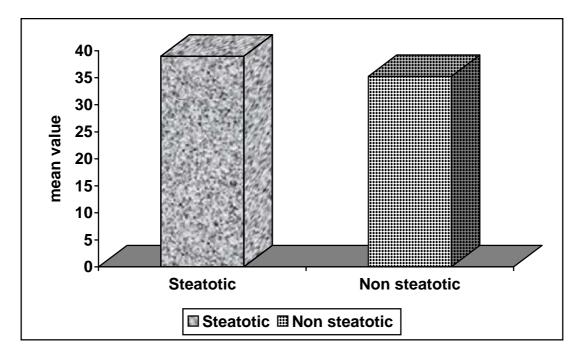


Figure (7)shows comparison between both studied groups as regard Age .this table shows that no statistically significant difference could be detected between both studied groups as regard age.

Table(9)

			,	Total		
		Male	Female	Total		
Staata	.4ia	N	31	19	50	
Steato	Steatotic		62	38	100	
Non steat	totic	N	30	20	50	
1 (on seed)		%	60	40	100	
T-4-		N	61	39	100	
Total		%	61	39	100	
Chi-Square	$X^2$	1.253				
_	P-value	0.325 NS				

Table(9)shows comparison between studied groups as regard Gender. this table shows that no statistically significant difference could be detected between both studied groups as regard gender.

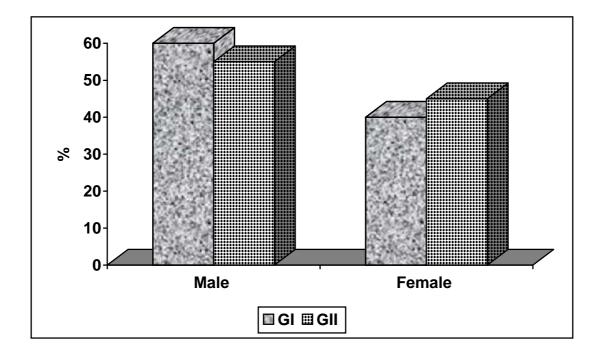
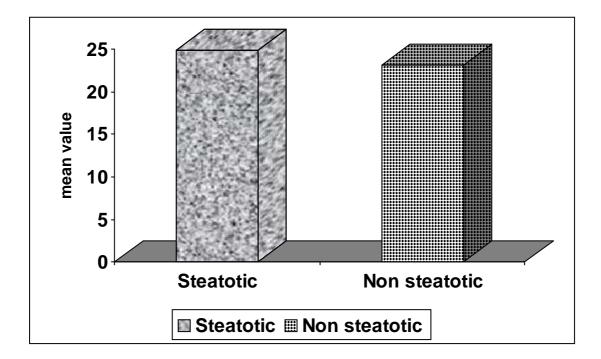


Figure (8)shows comparison between studied groups as regard Gender. this table shows that no statistically significant difference could be detected between both studied groups as regard gender.

**Table(10)** 

Body mass index	Steatotic Non steatotic		
Mean	24.8	23.1	
<u>+</u> SD	0.96 0.59		
t. test	0.582		
p. value	0.963 NS		

Table(10) groups shows comparison between studied as regard body mass index(BMI). this table shows that no statistically significant difference between both studied groups as regard BMI.



Figure(9) groups shows comparison between studied as regard body mass index(BMI). this table shows that no statistically significant difference between both studied groups as regard BMI.

**Table (11)** 

Fasting blood sugar	Steatotic	Non steatotic	
Mean	80.1	75.12	
<u>+</u> SD	6.96	4.32	
t. test	1.523		
p. value	0.635		

Table(11)shows comparison between both studied groups as regard fasting blood sugar(FBS).this table shows that no statistically difference could be detected between both studied groups as regard FBS.

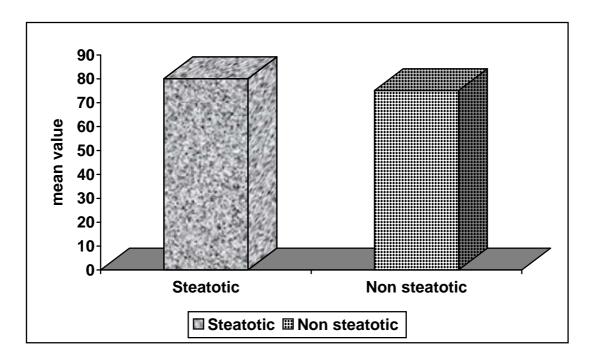


Figure (10)shows comparison between both studied groups as regard fasting blood sugar(FBS).this table shows that no statistically difference could be detected between both studied groups as regard FBS.

**Table(12)** 

Prothrombine time	Steatotic	Non steatotic		
Mean	12.66	12.95		
<u>+</u> SD	0.39	0.36		
t. test	0.852			
p. value	0.629			

Table (12) shows comparison between both studied groups as regard prothrombine time(P.T). This table shows that no stastically significant difference could be detected between both studied groups as regard P.T.

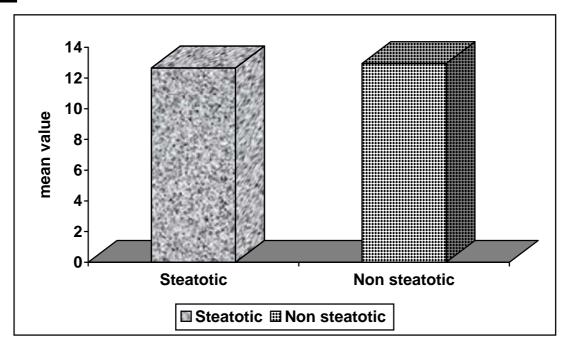


Figure (11) shows comparison between both studied groups as regard prothrombine time(P.T). This table shows that no stastically significant difference could be detected between both studied groups as regard P.T.

**Table(13)** 

Serum albumin	Steatotic	Non steatotic		
Mean	4.45	4.71		
<u>+</u> SD	0.47	0.45		
t. test	0.528			
p. value	0.321			

Table (13) shows Comparison between both studied groups as regard serum albumin. This table shows that no statistically significant difference could be detected between both studied groups as regard serum albumin.

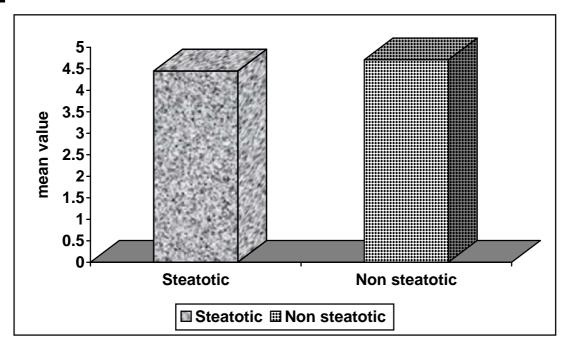


Figure (12) shows Comparison between both studied groups as regard serum albumin. This table shows that no statistically significant difference could be detected between both studied groups as regard serum albumin.

**Table**(14)

		Mean	<u>+</u> SD	t. test	p. value
AST0	steatotic	48.64	19.09	1,253	0.325
ASTU	non steatotic	36.70	14.49	1.233	0.323
AST1	steatotic	54.50	36.23	1.325	0.142
ASTI	non steatotic	35.80	12.64	1.323	0.142
AST2	steatotic	47.86	24.64	1.523	0.258
ASTZ	non steatotic	36.10	8.93	1.323	0.236
AST4	steatotic	40.90	16.24	0.358	0.528
A314	non steatotic	41.90	13.09	0.556	0.326
AST8	steatotic	38.74	18.34	0.428	0.147
ASTO	non steatotic	39.60	12.57	0.426	0.147
AST12	steatotic	47.20	20.80	1.325	0.142
ASTIZ	non steatotic	28.90	5.81	1.323	0.142
AST16	steatotic	47.86	21.91	2.325	0.368
ASTIO	non steatotic	32.20	6.27	2.323	0.306
AST20	steatotic	49.70	34.20	2.395	0.369
A3120	non steatotic	35.20	21.47	2.393	0.309
AST24	steatotic	47.92	27.77	2.254	0.085
A3124	non steatotic	29.30	9.20	2.234	0.065
AST28	steatotic	44.92	29.46	0.417	0.74
A3120	non steatotic	32.20	11.71	0.417	0.74
AST32	steatotic	47.46	25.28	0.054	0.000
A3132	non steatotic	33.80	18.13	0.951	0.088
AST36	steatotic	49.76	35.42	0.750	0.005
A3130	non steatotic	24.30	8.60	0.753	0.095
A CT 40	steatotic	41.26	21.02	0.054	0.075
AST40	non steatotic	27.20	10.23	0.951	0.075
AST44	steatotic	37.60	14.29	2 220	0.064
A3144	non steatotic	27.80	11.17	2.220	0.064
AST48	steatotic	38.38	15.61	2.014	0.055
A5148	non steatotic	28.50	6.85	2.014	0.055

Table(14) shows comparison between both studied groups as regard serum AST.this table shows that no statistically significant difference could be detected between both studied groups as regard AST.

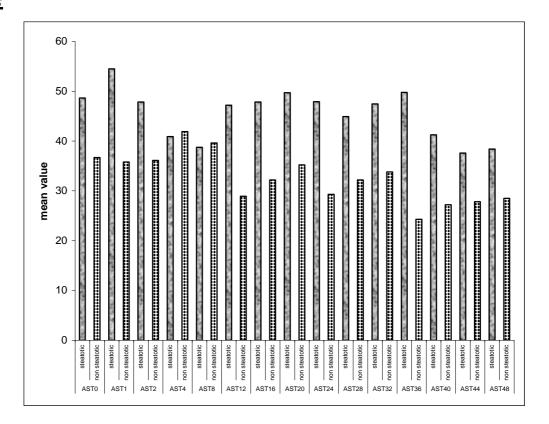


Figure (13) shows comparison between both studied groups as regard serum AST.this table shows that no statistically significant difference could be detected between both studied groups as regard AST.

**Table (15)** 

		Mean	<u>+</u> SD	t. test	p. value
ALT0	steatotic	58.64	39.83	2 225	0.000
	non steatotic	35.70	14.50	3.325	0.099
ALT1	steatotic	64.86	43.94	4.232	0.085
	non steatotic	34.50	18.29	4.232	0.065
ALT2	steatotic	55.28	33.76	0.539	0.194
	non steatotic	47.20	27.66	0.559	0.194
ALT4	steatotic	42.24	21.27	0.428	0.620
	non steatotic	40.40	14.03	0.420	0.020
ALT8	steatotic	44.74	29.95	2.325	0.632
	non steatotic	33.70	12.66	2.323	0.032
ALT12	steatotic	50.24	34.15	3.253	0.222
	non steatotic	27.50	7.73	3.233	0.222
ALT16	steatotic	52.66	31.49	2 4 4 7	0.055
	non steatotic	32.40	6.37	2.147	0.055
ALT20	steatotic	61.06	60.88	1.256	0.632
	non steatotic	29.90	12.59	1.230	0.032
ALT24	steatotic	49.34	39.66	2.302	0.147
	non steatotic	30.00	9.09	2.302	0.147
ALT28	steatotic	47.46	42.08	1.921	0.105
	non steatotic	25.50	9.46	1.921	0.105
ALT32	steatotic	50.78	41.87	1.456	0.325
	non steatotic	23.60	6.80	1.450	0.325
ALT36	steatotic	42.68	27.07	2 205	0.214
	non steatotic	23.50	5.94	3.205	0.214
ALT40	steatotic	37.80	20.33	1 221	0.410
	non steatotic	25.50	9.72	1.221	0.419
ALT44	steatotic	33.40	14.51	1 265	0.000
	non steatotic	24.30	9.31	1.365	0.099
ALT48	steatotic	42.60	30.03	0.051	0.632
AL 146	non steatotic	23.90	7.23	0.951	0.632

Table(15) shows comparison between both studied groups as regard ALT.this table shows that no statistically significant difference could be detected between both studied groups as regard ALT.

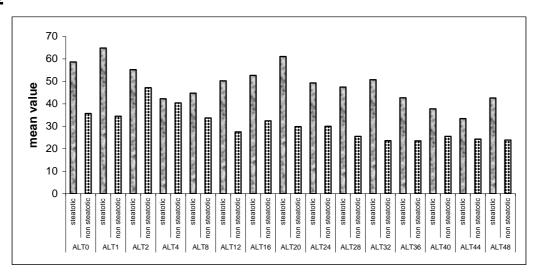


Figure (14) shows comparison between both studied groups as regard ALT.this table shows that no statistically significant difference could be detected between both studied groups as regard ALT.

Table(16)

		Mean	<u>+</u> SD	t. test	p. value
BI0	steatotic	1.1	.84	1.201	0.635
	non steatotic	.86	.15	1.201	0.033
BIL1	steatotic	.94	.14	2.369	0.325
	non steatotic	.85	.22	2.309	0.323
BIL2	steatotic	.94	.12	5.325	0.417
	non steatotic	.80	.18	3.323	0.417
BIL4	steatotic	.89	.16	0.658	0.258
	non steatotic	.87	.16	0.036	0.236
BIL8	steatotic	.92	.26	0.858	0.324
	non steatotic	.85	.14	0.050	0.324
BIL12	steatotic	.91	.15	2.241	0.159
	non steatotic	.89	.22	2.241	0.159
BIL16	steatotic	.85	.24	0.74	0.147
	non steatotic	.81	.19	0.74	0.147
BIL20	steatotic	.82	.23	3.325	0.302
	non steatotic	.80	.17	3.323	0.302
BIL24	steatotic	.88	.19	5.369	0.508
	non steatotic	.86	.34	5.509	0.506
BIL28	steatotic	.86	.26	0.478	0.952
	non steatotic	.83	.20	0.476	0.932
BIL32	steatotic	.88	.22	0.869	0.099
	non steatotic	.86	.12	0.009	0.033
BIL36	steatotic	.88	.23	2.584	0.068
	non steatotic	.83	.14	2.304	0.000
BIL40	steatotic	.91	.22	0.051	0.074
	non steatotic	.83	.07	0.951	0.074
BIL44	steatotic	.86	.12	0.225	0.052
	non steatotic	.83	.11	0.325	0.052
BIL48	steatotic	.84	.12	0.421	0.621
	non steatotic	.81	.14	0.421	0.021

Table (16) shows Comparison between both studied groups as regard serum bilirubin. This table shows that no statistically significant difference could be detected between both studied groups as regard serum bilirubin.

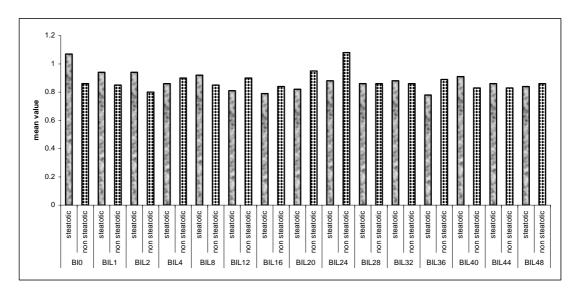


Figure (15) shows Comparison between both studied groups as regard serum bilirubin. This table shows that no statistically significant difference could be detected between both studied groups as regard serum bilirubin.

Table(17)

Inflammatory score	Steatotic	Non steatotic		
Mean	8.62	5.52		
<u>+</u> SD	1.50	1.27		
t. test	2.325			
p. value	0.048			

Table (17) Shows comparison between both studied groups as regard inflammatory score(I.S).this table shows that the steatotic cases had higher I.S compared to non steatotic cases with statistically significant difference.

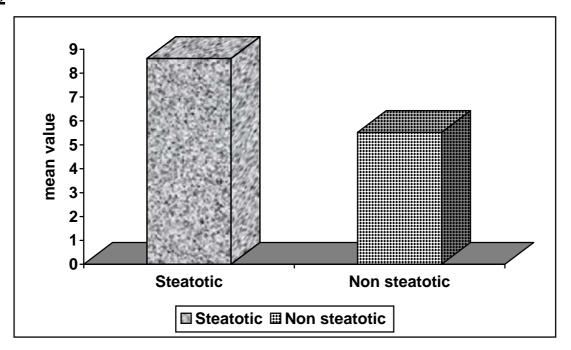


Figure (16) Shows comparison between both studied groups as regard inflammatory score(I.S).this table shows that the steatotic cases had higher I.S compared to non steatotic cases with statistically significant difference.

**Table(18)** 

		Fibrosis		Total	
		FI	F2	Totai	
Stoots	.4ia	N	22	28	50
Steam	Steatotic		44	56	100
Non steat	totic	N	26	24	50
1 (on Secur		%	52	48	100
Tota	1	N	48	52	100
Total %		48	52	100	
Chi-Square	$\mathbf{X}^2$	2.325 0.034			
	P-value				

Table (18) shows comparison between both studied groups as regard fibrotic score. This table shows that steatotic group had a higher fibrosis score compared to non steatotic group with statistically significant difference.

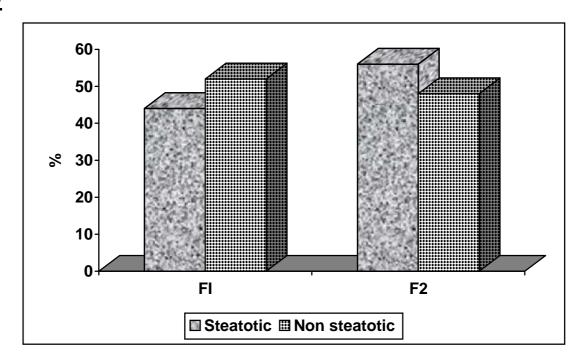


Figure (17) shows comparison between both studied groups as regard fibrotic score. This table shows that steatotic group had a higher fibrosis score compared to non steatotic group with statistically significant difference.

**Table(19)** 

		Mean	<u>+</u> SD	t. test	p. value
HB0	steatotic	14.39	1.21	0.528	0.104
	non steatotic	13.75	1.14	0.526	0.104
HB1	steatotic	14.23	1.44	0.625	0.580
	non steatotic	13.57	1.74	0.023	0.560
HB2	steatotic	13.4	1.38	0.959	0.205
	non steatotic	13.06	1.77	0.959	0.205
HB4	steatotic	11.96	1.00	0.325	0.314
	non steatotic	12.67	1.96	0.323	0.314
HB8	steatotic	11.87	1.00	0.225	0.407
	non steatotic	11.67	1.44	0.325	0.407
HB12	steatotic	11.35	1.46	0.529	0.000
	non steatotic	10.92	1.85	0.528	0.889
HB16	steatotic	11.20	1.27	0.479	0.225
	non steatotic	12.45	1.60	0.478	0.325
HB20	steatotic	12.16	1.67	0.628	0.417
	non steatotic	11.40	.56	0.020	0.417
HB24	steatotic	11.2	1.24	0.055	0.099
	non steatotic	11.00	1.18	0.055	0.099
HB28	steatotic	13.25	2.53	0.419	0.325
	non steatotic	11.13	1.93	0.419	0.325
HB32	steatotic	11.00	1.54	0.325	0.088
	non steatotic	10.88	1.44	0.323	0.000
HB36	steatotic	11.36	1.39	0.120	0.077
	non steatotic	10.92	1.78	0.120	0.077
HB40	steatotic	11.19	1.27	0.205	0.000
	non steatotic	11.44	2.26	0.305	0.099
HB44	steatotic	11.12	1.60	0.803	0.525
	non steatotic	11.17	1.44	0.893	0.525
HB48	steatotic	11.01	1.03	0.774	0.220
	non steatotic	10.96	1.78	0.774	0.220

Table(19) shows comparison between both studied groups as regard hemoglobin(Hb).this table shows that no statistically significant difference could be detected between both studied groups as regard Hb.

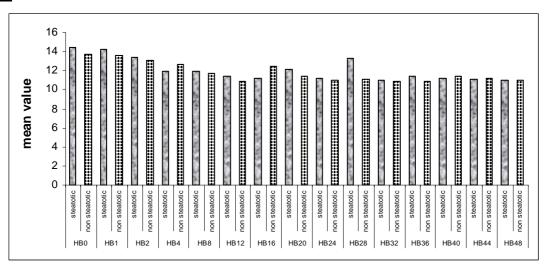


Figure (18) shows comparison between both studied groups as regard hemoglobin(Hb).this table shows that no statistically significant difference could be detected between both studied groups as regard Hb.

Table(20)

		Mean	<u>+</u> SD	t. test	p. value
WBC0	steatotic	5804	2434.61	0.057	0.000
	non steatotic	5740	1115.01	0.857	0.866
WBC1	steatotic	4966	1434.78	0.638	0.454
	non steatotic	5150	903.79	0.036	0.454
WBC2	steatotic	4764	1882	0.428	0.807
	non steatotic	4690	1019.65	0.420	0.607
WBC4	steatotic	4083.6	1378.58	0.281	0.591
	non steatotic	3930	1470.83	0.201	0.591
WBC8	steatotic	3572	1153.17	2.210	0.632
	non steatotic	4110	1303.40	2.210	0.032
WBC12	steatotic	3322	1115.43	0.680	0.122
	non steatotic	3060	407.08	0.000	0.122
WBC16	steatotic	3268	959.25	2.369	0.254
	non steatotic	4300	2199.60	2.309	0.234
WBC20	steatotic	3498	1378.18	0.951	0.353
	non steatotic	3280	911.155	0.951	0.555
WBC24	steatotic	4084	1453.02	2.301	0.221
	non steatotic	3480	1175.25	2.301	0.221
WBC28	steatotic	3952	1531.77	3.69	0.854
	non steatotic	2850	863.37	3.09	0.034
WBC32	steatotic	3320	1366.39	2.104	0.258
	non steatotic	2850	750.84	2.104	0.230
WBC36	steatotic	3278	891	3.254	0.147
	non steatotic	4242	2193	J.ZJ <del>4</del>	0.147
WBC40	steatotic	3006	659.5	2.325	0.369
	non steatotic	3630	912.5	2.323 0.3	0.509
WBC44	steatotic	3046	622.7	5.285	0.520
	non steatotic	2320	1124.6	3.203	0.320
WBC48	steatotic	3036	488.1	4.253	0.410
WDC40	non steatotic	3580	250.7	4.233	0.410

Table(20) shows comparison between both studied groups as regard white blood cells(WBC).this table shows that no statistically significant difference could be detected between both studied groups as regard WBC.

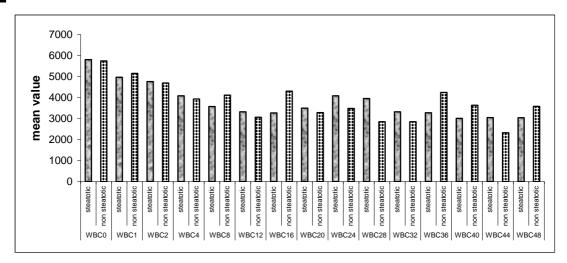


Figure (19) shows comparison between both studied groups as regard white blood cells(WBC).this table shows that no statistically significant difference could be detected between both studied groups as regard WBC.

Table(21)

		Mean	<u>+</u> SD	t. test	p. value
PLT0	steatotic	181700	49356	2.01.4	0.550
	non steatotic	202300	40068	2.014	0.552
PLT1	steatotic	185540	69365.4	0.856	0.121
	non steatotic	169100	36380.7	0.000	0.121
PLT2	steatotic	173300	55474.6	3.320	0.241
	non steatotic	200400	33861	3.320	0.241
PLT4	steatotic	152800	49338	1.447	0.075
	non steatotic	168100	34432.5	1.447	0.075
PLT8	steatotic	148960	54720.4	0.951	0.114
	non steatotic	134500	33552.4	0.331	0.114
PLT12	steatotic	140660	48818.1	0.355	0.324
	non steatotic	133900	38731	0.333	0.324
PLT16	steatotic	132820	38817.04	0.753	0.182
	non steatotic	145700	55543.7	0.755	0.102
PLT20	steatotic	153740	54010.8	0.951	0.257
	non steatotic	143500	33406.1	0.551	0.237
PLT24	steatotic	144729	73104.2	0.714	0.180
	non steatotic	130100	22921.5	0.714	0.100
PLT28	steatotic	161700	56095.1	1.992	0.204
	non steatotic	137400	34113.2	1.552	0.204
PLT32	steatotic	143540	26679.6	0.262	0.224
	non steatotic	150400	29281.1	0.202	0.224
PLT36	steatotic	128271	61501.7	1.521	0.068
	non steatotic	148400	46304.6	1.321	0.000
PLT40	steatotic	144060	32681.1	3.200	0.985
	non steatotic	169500	48145.7	3.200	0.303
PLT44	steatotic	146200	49402.5	0.291	0.251
	non steatotic	141300	32798.2	0.231	0.231
PLT48	steatotic	138740	38134.9	1.100	0.090
FL140	non steatotic	137510	37120.6	1.100	0.030

Table(21) shows comparison between both studied groups as regard platelets.this table shows that no statistically significant difference could be detected between both studied groups as regard platelets.

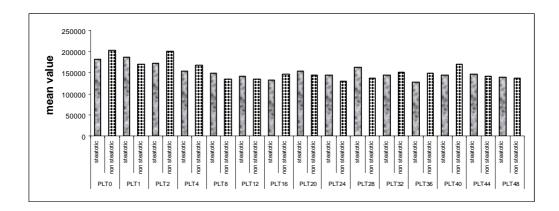


Figure (20) shows comparison between both studied groups as regard platelets.this table shows that no statistically significant difference could be detected between both studied groups as regard platelets.

Table(22)

Pcr 0	Steatotic	Non steatotic		
Mean	441378	247543.3		
<u>+</u> SD	67524.8	31248.7		
t. test	1.586			
p. value	0.069			

Table(22)shows PCR at week zero(before treatment).this table shows no statistically significant difference between both studied groups as regard HCV-RNA level..9

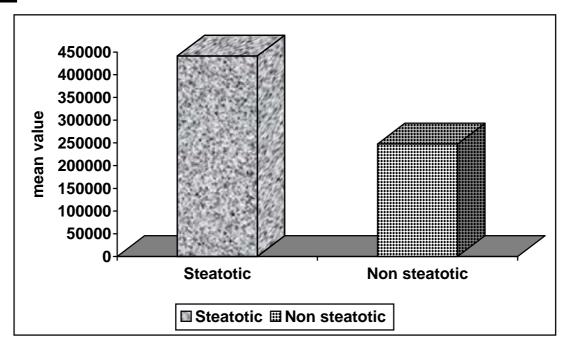


Figure (21)shows PCR at week zero(before treatment).this table shows no statistically significant difference between both studied groups as regard HCV-RNA level..9

**Table(23)** 

		<b>Per 12</b>		Total	
		+ve	-ve	Totai	
Stoots	. <b>4:</b> a	N	12	38	50
Steato	Steatotic -		24	76	100
Non steatotic		N	8	42	50
		%	16	84	100
N		N	۲.	80	100
Total %		%	20	80	100
Chi-Square	$\mathbf{X}^2$	3.362			
_	P-value	0.024			

Table(23) shows PCR at week 12.this table shows that 38cases (76%)in steatotic group achieved early virological response(EVR) and became PCR negative, the other 12 cases(24%) did not achieve EVR and discontinued therapy.in non steatotic group 42 cases(84%) achieved EVR, other 8 cases(16%) did not achieve EVR and discontinued therapy.with statistically significant difference between both studied groups(p-value 0.024).

**Table(24)** 

		<b>Per 24</b>		Total	
		+ve	-ve	Total	
Steatotic		N	3	35	38
		%	7.8	92.2	100
Non steatotic		N	4	38	42
		%	9.5	90.5	100
Total		N	7	73	80
		%	8.75	91.25	100
Chi-Square	$\mathbf{X}^2$	4.325			
	P-value			0.021	

Table(24) shows PCR at week 24.in steatotic group, 35 cases (92.2%)were PCR negative and 3 cases(7.8%) were positive and discontinued therapy.

In non steatotic group, 38(90.5%) cases were negative and 4 cases(9.5%) were positive and discontinued therapy.with statistically significant difference between both studied groups(p-value 0.021).

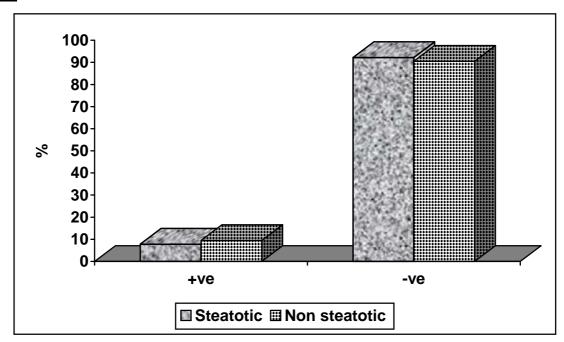


Figure (23) shows PCR at week 24.in steatotic group, 35 cases (92.2%)were PCR negative and 3 cases(7.8%) were positive and discontinued therapy.

In non steatotic group, 38(90.5%) cases were negative and 4 cases(9.5%) were positive and discontinued therapy.with statistically significant difference between both studied groups(p-value 0.021).

**Table(25)** 

		Per 48		Total	
		+ve	-ve	Total	
Stanta	4: .	N	2	33	35
Steate	Steatotic		5.7	94.3	100
Non steatotic		N	3	35	38
	Tion steatotic		7.9	92.1	100
Total		N	5	68	73
		%	6.8	93.2	100
Chi-Square X <sup>2</sup> P-value			3.582		
				0.032	

Table(25) shows PCR at week 48. in steatotic group 33(94.3%) cases were PCR negative and 2 cases(5.7%) were positive and discontinued therapy.in non steatotic group there are 35 cases(92.1%) PCR negative and 3(7.9%) cases were positive and discontinued therapy. with statistically significant difference between both studied groups(p- value 0.032).

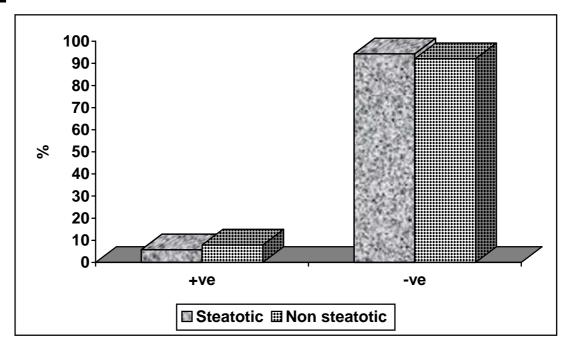


Figure (24) shows PCR at week 48. in steatotic group 33(94.3%) cases were PCR negative and 2 cases(5.7%) were positive and discontinued therapy.in non steatotic group there are 35 cases(92.1%) PCR negative and 3(7.9%) cases were positive and discontinued therapy. with statistically significant difference between both studied groups(p- value 0.032).

**Table(26)** 

		<b>Per 72</b>		Total	
		+ve	-ve	Total	
G4 4 4		N	3	30	33
Steato	Steatotic		9.1	90.9	100
Non steatotic		N	3	32	35
11011 5000	Non steatotic		8.6	91.4	100
Tota	m		6	62	77
Total		%	7.8	92.2	100
Chi-Square X <sup>2</sup>			4.253		
_	P-value			0.009	

Table (26) shows PCR at week 72 (6 months after end of treatment).this table shows 30 cases(90.9%) were PCR negative and 3 cases(9.1%) were positive in steatotic group.in non steatotic group there is 32(91.4%) cases negative and 3 cases(8.6%) positive.with statistically non significant difference between both studied groups.

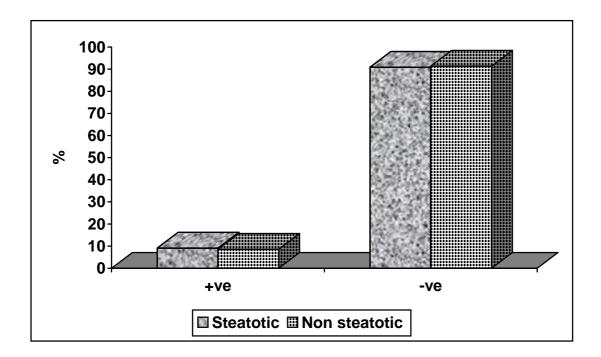


Figure (25) shows PCR at week 72 (6 months after end of treatment).this table shows 30 cases(90.9%) were PCR negative and 3 cases(9.1%) were positive in steatotic group.in non steatotic group there is 32(91.4%) cases negative and 3 cases(8.6%) positive.with statistically non significant difference between both studied groups.

**Table(27)** 

	Steatotic	Non steatotic	
SVR	60%	64%	
$X^2$	1.417		
P. value	0.099		

Table (27) shows the sustained virological response(SVR) between both studied groups . this table shows 60% response to the anti viral treatment in steatotic group comparable to 64% in non steatotic group with statistically non significant difference between both studied groups (p- value 0.099).

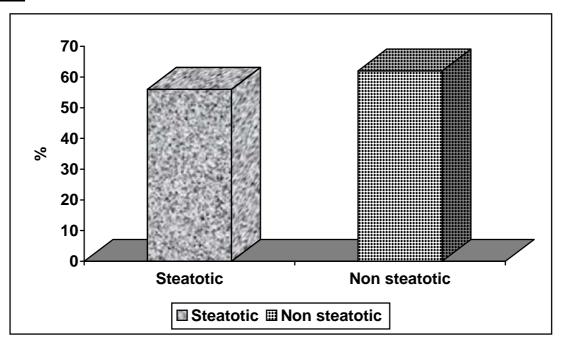


Figure (26) shows the sustained virological response(SVR) between both studied groups . this table shows 60% response to the anti viral treatment in steatotic group comparable to 64% in non steatotic group with statistically non significant difference between both studied groups (p- value 0.099).

# **Statistics**

Statistical presentation and analysis of the present study was conducted, using the mean, standard deviation , and chi-square test by SPSS V.16.

**1- Mean value**  $(\bar{X})$ : the sum of all observations divided by the number of observation:

$$(\bar{X}) = \frac{\sum x}{n}$$

Where  $\Sigma = \text{sum } \& \text{ n} = \text{number of observations}$ .

#### 2-Standard Deviation [SD]:

It measures the degree of scatter of individual varieties around their mean:

$$SD = \sqrt{\frac{\sum |\mathbf{x} - \mathbf{x}|^{-2}}{n-1}}$$

**4-Chi-square** the hypothesis that the row and column variables are independent, without indicating strength or direction of the relationship. Pearson chi-square and likelihood-ratio chi-square. Fisher's exact test and Yates' corrected chi-square are computed for 2x2 tables.