

Table 1. Clinical data of the studied group

Clinical data	Patients (n=57)
Age	39.8±10.5
Sex	18(31.6%)
Female	39 (68.4%)
male	
BMI (Kg/m ²) DM (%)	24.5±3.75
No	47(82.5%)
Yes Hypertension	10 (17.5%)
No	49(86%)
Yes Pallor	8(14%)
No	54(94.7%)
Yes	3(5.3%)
Jaundice (No)	57(100%)
Liver size by U/S	
Normal	29(50.9%)
Hepatomegaly	15(26.3%)
Shrunk liver	13(22.8%)
Splenomegaly	
normal	41(71.9%)
enlarged	16(28.1%)
Ascites (No)	57(100%)
Hepatic focal lesion (No)	57(100%)

All data are mean ±SD or proportions [N (%)],

Table 2. Laboratory characteristics of the studied groups

	Patients	Control	P value
ALT (IU/L)	66.75±76.16	19.5±3.17	<0.001
AST(IU/L)	52.68±54.57	18.55±3.95	<0.001
TBil (mg/dl)	0.85±0.43	0.89±0.11	=0.045
Total Protein (g/dl)	7.66±0.71	7.42±0.33	=0.002
Albumin (g/dl)	3.93±0.54	3.95±0.34	=0.005
INR	1.15±0.25	0.95±0.1	<0.0003
Prothrombin Conc. %	84.89±15.76	98±1.78	<0.0001
FBG (mg/dl)	103.64±22.71	95.15±9.16	0.28
HB(gm/dl)	13.95±1.65	13.05±0.65	0.008
WBCs (x103/mm3)	6.16±2.05	7.4±1.05	<0.0001
Platelets (x109/L)	220.55±65.25	255.9±33.6	0.03
Syndecan-1 (pg/ml)	5.60±2.426	4.155.6±3.98	0.008
ApoA-1 (mg/dl)	81.66±97.19	74.55±48.42	0.65

Table 3. Liver fibrosis

	N%
F1	15 (26.31%)
F2	15 (26.31%)
F3	14 (24.56%)
F4 (Cirrhosis)	13 (22.80%)

Table 4. Comparison between mild and advanced fibrosis as regard demographic and laboratory data

	F1+f2 (n=30)	F3+f4 (n=27)	P value
Age	38.43±10.	41.37±10.	0.30
BMI(Kg/m ²)	50	49	
Sex	23.60±3.1	25.44±4.2	
	1	0	
Females	7(23.33%)	11(40.74%)	0.16
		)	
Males	23(76.67%)	16(59.26%)	
ALT(IU/L)	)	)	0.24
	58.70±57.	75.59±91.	
	67	7	
AST(IU/L)	44.90±16.	61.89±76.	0.37
	55	46	
TBil (mg/dl)	0.66±0.24	1.04±0.49	0.005
	9		
Total Protein	7.94±0.61	7.35±0.66	0.001
(g/dl)	2		
HB(gm/dl)	14.00±1.8	13.68±1.8	0.52
	0	5	
WBCs	5.70±1.63	6.65±2.33	0.07
(x10 ³ /mm ³)			
Platelets (x10 ⁹ /L)	245.6±46.	192.8±71.	0.002
	42	27	
Albumin(g/dl)	4.160±0.4	3.65±0.49	0.0002
	53	9	
INR	1.023±0,0	1.27±0.29	0.001
	77		
Prothrombin	93.10±7.1	75.81±17.	0.0002
Conc. %	6	49	
FBG (mg/dl)	100.9±18.	106.8±26.	0.41
	29	98	
Syndecan	4.598±9.2	6.715±3.0	0.005
(pg/ml)	1	4	
apoA-1 (mg/dl)	83.61±	79.91±62.	0.36
	126.4	52	
FIB-4	1.06±0.60	1.56±0.73	0.004
APRI	0. 48 ±	0. 71± 0.	0.009
	0.18	36	

Table 5. Sensitivity, specificity, PPV and NPV of syndican-1, apoA1, FIB-4 and APRI to diagnose correctly advanced fibrosis

	Cut off	The area under the curve (AUC)	Sensitivity	Specificity	PPV	NPV	P-value
Syndecan 1(pg/ml)	- >5.917	0.72 95%CI (0.58-0.83)	51.85	93.33	87.50	68.29	0.002
Apolipoprotein A1 (mg/dl)	<20.8	0.57 95%CI (0.43-0.70)	48.15	83.33	72.22	64.10	0.38
Fib4	>1.62	0.72 95%CI (0.59-0.83)	48.15	86.67	76.47	65.00	0.001
APRI	>0.66	0.72 95%CI (0.57-0.73)	48.67	86.67	76.47	65.00	0.005