

**Supplementary Table 1: Comparison of clinical and biological parameters between the group of patients with strictly normal liver (SOA0F0) and those with no steatosis and minimal lesions (A<2 and/or F<2)**

	Normal liver (n=141)	Minimal lesions (n=38)	P
<b>DEMOGRAPHIC</b>			
Age (y)	37.5 [35.5 – 39.4]	37.2 [33.6 – 38.9]	ns
Age at onset of obesity (y)	14.8 [12.6 – 17.0]	15.3 [10.6 – 20.1]	ns
Duration of obesity (y)	22.1 [20.0 – 24.2]	21.8 [19.6 – 22.0]	ns
Female gender	132 (93%)	32 (84%)	ns
Caucasian	20 (14%)	5 (13%)	ns
<b>CLINICAL</b>			
Hypertension	38 (28%)	12 (33%)	ns
Type-2 Diabetes mellitus	15 (12%)	2 (5%)	ns
Dyslipidemia	41 (30%)	13 (36%)	ns
Obstructive Sleep Apnea	47 (34%)	13 (36%)	ns
<b>ANTHROPOMETRIC</b>			
BMI (kg/m <sup>2</sup> )	46.3 [44.6 – 47.3]	45.6 [43.5 – 48.1]	ns
Weight (kg)	126.0 [123.3 – 130.5]	127.2 [120.6 – 134.9]	ns
Waist circumference (cm)	165.6 [164.4 – 166.8]	167.0 [163.9 – 170.1]	ns
Body fat mass (%)	50.4 [49.7 – 51.2]	48.9 [45.9 – 50.2]	ns
Trunk/limb fat mass (%)	0.99 [0.97 – 1.00]	1.01 [0.97 – 1.04]	ns
<b>LIVER FUNCTION TESTS</b>			
ALT (IU/L)	23.7 [18.2 – 29.2]	26.4 [22.4 – 30.4]	ns
AST (IU/L)	23.5 [21.6 – 25.4]	24.9 [22.2 – 27.6]	ns
GGT (IU/L)	35.2 [29.2 – 41.2]	46.4 [25.9 – 66.9]	ns
<b>LABORATORY PARAMETERS</b>			
Fasting Glucose (mmol/L)	5.3 [5.1 – 5.4]	5.0 [4.8 – 5.2]	ns
Hemoglobin A1C (%)	5.9 [5.7 – 6.0]	5.7 [5.5 – 5.9]	ns
Fasting Insulin (μU/ml)	15.6 [13.8 – 17.3]	13.4 [11.1 – 15.6]	ns
Total cholesterol (mmol/L)	4.8 [4.7 – 5]	4.9 [4.5 – 5.3]	ns
HDL-cholesterol (mmol/L)	1.3 [1.2 – 1.3]	1.3 [1.2 – 1.5]	ns
Triglycerides (mmol/L)	1.2 [1.1 – 1.4]	1.2 [0.9 – 1.4]	ns

Data are given as Mean [95%CI] or n (%)

**Supplementary Table 2: Clinical and biological data of NAFL patients with pure steatosis (NAFL) and steatosis with mild lesions (NAFL+)**

	NAFL (n=87)	NAFL+ (n=253)	p
<b>DEMOGRAPHIC</b>			
Age (y)	42.1 [40.6 – 43.5]	45.2 [43.0 – 47.4]	0.05
Age at onset of obesity (y)	18.9 [17.1 – 20.7]	23.4 [19.8 – 27.0]	0.05
Duration of obesity (y)	23.1 [21.5 – 24.5]	22.2 [19.4 – 25.1]	ns
Female Gender	74 (85%)	194 (78%)	ns
Caucasian	53 (68%)	182 (82%)	ns
<b>CLINICAL</b>			
Hypertension	36 (41%)	120 (50%)	ns
Type-2 Diabetes mellitus	20 (30%)	82 (40%)	ns
Dyslipidemia	33 (39%)	130 (53%)	0.05
Obstructive Sleep Apnea	53 (62%)	157 (65%)	ns
<b>LIVER FUNCTION TESTS</b>			
AST (IU/L)	26.0 [24.2 – 27.8]	27.7 [26.4 – 29.1]	ns
ALT (IU/L)	28.2 [25.1 – 31.3]	35.2 [32.5 – 37.9]	0.001
GGT (IU/L)	38.2 [32.9 – 43.5]	52.3 [34.2 – 70.4]	ns
<b>LABORATORY PARAMETERS</b>			
Fasting Glucose (mmol/L)	5.9 [5.5 – 6.3]	6.2 [5.9 – 6.4]	ns
Hemoglobin A1C (%)	6.2 [5.9 – 6.4]	6.4 [6.2 – 6.6]	ns
Fasting Insulin ( $\mu$ U/ml)	15.6 [13.9 – 17.2]	24.4 [19.1 – 29.8]	0.01
Total cholesterol (mmol/L)	5.0 [4.8 – 5.2]	4.9 [4.8 – 5.0]	ns
HDL-cholesterol (mmol/L)	1.25 [1.18 – 1.32]	1.18 [1.14 – 1.22]	ns
Triglycerides (mmol/L)	1.41 [1.28 – 1.54]	1.72 [1.55 – 1.90]	0.05

**Supplementary Table 3: Clinical and biological data of NASH patients with A2 and A>2**

	NASH A2 (n=136)	NASH A3 or A4 (n=143)	p
<b>DEMOGRAPHIC</b>			
Age (y)	45.3 [43.6 – 47.0]	47.0 [45.1 – 47.0]	ns
Age at onset of obesity (y)	20.5 [17.8 – 23.3]	21.1 [18.3 – 24.0]	ns
Duration of obesity (y)	25.9 [23.4 – 26.4]	26.4 [24.0 – 28.9]	ns
Female Gender	110 (72%)	87 (62%)	ns
Caucasian	127 (84%)	97 (69%)	0.05
<b>CLINICAL</b>			
Hypertension	89 (58%)	83 (59%)	ns
Type-2 Diabetes mellitus	70 (46%)	81 (57%)	0.05
Dyslipidemia	95 (62%)	84 (60%)	ns
Obstructive Sleep Apnea	65 (43%)	60 (43%)	ns
<b>LIVER FUNCTION TESTS</b>			
ALT (IU/L)	41.9 [37.9 – 45.8]	47.9 [41.1 – 54.6]	0.001
AST (IU/L)	31.8 [29.8 – 33.8]	37.3 [34.2 – 40.3]	0.001
GGT (IU/L)	56.0 [47.4 – 64.7]	61.7 [54.0 – 69.4]	ns
<b>LABORATORY PARAMETERS</b>			
Fasting Glucose (mmol/L)	6.7 [6.3 – 7.2]	7.1 [6.6 – 7.6]	ns
Hemoglobin A1C (%)	6.6 [6.4 – 6.9]	7.0 [6.7 – 7.2]	ns
Fasting Insulin ( $\mu$ U/ml)	24.3 [21.2 – 27.4]	33.1 [23.1 – 43.0]	0.001
Total cholesterol (mmol/L)	4.9 [4.7 – 5.0]	4.5 [4.4 – 4.7]	ns
HDL-cholesterol (mmol/L)	1.11 [1.06 – 1.16]	1.11 [1.06 – 1.17]	ns
Triglycerides (mmol/L)	1.77 [1.63 – 1.90]	1.78 [1.62 – 1.92]	ns