

**Supplementary Table 1.**

**Histological characteristics of the subjects with NAFLD according to: A) the steatosis, activity, fibrosis -SAF score and B) the fatty liver inhibition of progression FLIP algorithm**

activity	fibrosis					Total	A. AF score
	0	1	2	3	4		
0		4				9 mild	
1	2	3					
2		5	3	1		9 moderates	
3		7	2	2		16 severe	
4	2	3					

The grade of activity (A from A0 to A4) was calculated by addition of grades of ballooning and lobular inflammation. Based on SAF score (mild for A2 and/or F>2 or significant- moderate and severe- for A>2 and/or F>2)

**A. FLIP algorithm**

	<b>Steatosis (0,1,2,3)</b>	<b>Ballooning (0,1,2)</b>	<b>Lobular Inflammation (0,1,2)</b>	<b>Diagnosis</b>		
N=34	0 (0)	0	0	No NAFLD		
	1,2,3 (34)	0=6	0= 4	NAFLD		
			1= 2	NAFLD		
			2 =0	NAFLD		
		1=16	0=3	NAFLD		
			1=9	NASH		
			2= 4	NASH		
		2= 12	0=0	NAFLD		
			1= 7	NASH		
			2=5	NASH		
		<b>DIAGNOSIS</b>				
		<b>NoNAFLD= 0 subjects</b> <b>NAFLD=9 (26.5%)</b> <b>NASH= 25 (73.5%)</b>				

**Supplementary Table 2.**

**DEXA measurements according to NAFLD severity (mild, moderate and severe SAF scores).**

	All (34)	SAF scores			<i>p</i>
		Mild (9)	Moderate (9)	Severe (16)	
BMC, gr, total	1733.7 (432.1)	1714.3 (370.3)	1745.8 (493.2)	1737.8 (455.6)	0.86
FAT, gr, total	26315.4 (8059)	25403.9 (8881.2)	26666.1 (10030.7)	26493.9 (7632.8)	0.18
FAT %	39.31%	38.91%	38.55%	38.48%	0.83
Lean+ BMC, gr	39135.2 (7750.6)	40078.6(7024.6)	39153.7 (11117)	39883.9 (6867.2)	0.85
BMD-Z-Score	1.22 (1.31)	1.25 (1)	1.20 (0.9)	1.19 (1.3)	0.048

BMC = Bone Mineral Content.

BMD = Bone Mineral Density

**Supplementary Table 3.****Differences in age, BMI, waist circumference and DEXA parameters according to PNPLA3 I148M genotype**

	<b>PNPLA3-GG (7)</b>	<b>PNPLA3 GC+CC (27)</b>	<b>p</b>
<b>BMI, kg/mq</b>	28.3 (4.7)	26.7 (4.6)	0.09
<b>Age, years</b>	12.2 (2.9)	13(2.77)	0.26
<b>WC, cm</b>	92 (6.7)	90.2 (6.3)	0.56
<b>BMC, gr</b>	1813.8 (658)	1712.9 (366)	0.58
<b>BMD, g/cm2</b>	0.75 (0.17)	0.98 (0.15)	0.03
<b>FAT, gr</b>	26587 (9195)	26245 (7930)	0.92
<b>LEAN+BMC</b>	39515 (6990)	37079 (11903)	0.52
<b>BMD z-score</b>	0.38 (0.17)	0.88 (0.27)	0.007

CC n=14, CG n =13, GG n=7 subjects

BMD = bone mineral density

BMC = bone mineral content