

Table 2. Baseline characteristics of euthyroid individuals with NAFLD stratified by both *PNPLA3* rs738409 genotypes and serum TSH status

Variables	CC genotype			CG+GG genotype		
	Strict-normal TSH	High-normal TSH	<i>P</i> value	Strict-normal	High-normal	<i>P</i> value
	group	group		TSH group	TSH group	
<i>N</i>	n=78	n=15		n=205	n=29	
Clinical and laboratory parameters						
Age (years)	44.5 ± 11.9	37.5 ± 11.8	0.038	41.7 ± 11.7	37.2 ± 12.8	0.056
BMI (kg/m ²)	26.4 ± 3.4	26.8 ± 3.3	0.680	26.9 ± 3.6	27.4 ± 3.8	0.524
Waist circumference (cm)	91.7 ± 9.3	91.1 ± 7.8	0.809	92.0 ± 9.0	94.7 ± 8.7	0.126
Leukocyte count (10 ⁹ /L)	6.4 ± 1.8	6.9 ± 1.6	0.278	6.2 ± 1.5	6.2 ± 1.7	0.949
Platelet count (10 ⁹ /L)	249.9 ± 51.3	266.5 ± 46.6	0.248	247.4 ± 60.7	235.6 ± 68.8	0.336
ALT (U/L)	70.6 ± 91.2	67.1 ± 39.8	0.885	74.9 ± 58.0	108.0 ± 73.6	0.027
AST (U/L)	43.5 ± 36.1	39.7 ± 22.6	0.699	47.6 ± 35.8	55.9 ± 33.4	0.241
GGT (U/L)	72.3 ± 104.1	70.5 ± 52.3	0.950	72.1 ± 101.1	87.5 ± 53.5	0.423
TSH (mIU/L)	1.4 ± 0.5	3.1 ± 0.6	ND	1.5 ± 0.5	3.1 ± 0.6	ND
Free triiodothyronine (pmol/L)	5.4 ± 0.7	5.5 ± 0.5	0.421	5.5 ± 0.6	5.6 ± 0.6	0.224
Free thyroxine (pmol/L)	11.0 ± 1.4	10.9 ± 1.2	0.749	11.3 ± 1.5	11.0 ± 1.3	0.207
Albumin (g/L)	46.4 ± 3.3	48.2 ± 3.3	0.048	46.5 ± 3.6	47.9 ± 3.1	0.043
Total cholesterol (mmol/L)	4.9 ± 1.1	4.7 ± 1.4	0.625	5.1 ± 1.0	5.3 ± 1.0	0.229
Triglycerides (mmol/L)	2.5 ± 1.8	2.5 ± 1.4	0.864	2.2 ± 1.3	2.2 ± 0.9	0.903
HDL- cholesterol (mmol/L)	1.0 ± 0.2	1.0 ± 0.2	0.443	1.0 ± 0.2	1.0 ± 0.2	0.603
LDL- cholesterol (mmol/L)	2.9 ± 0.8	2.7 ± 1.1	0.621	3.1 ± 0.9	3.4 ± 0.9	0.110
HOMA-IR score	7.0 ± 9.6	4.1 ± 2.2	0.258	5.0 ± 5.2	9.5 ± 25.7	0.358

Uric acid ($\mu\text{mol/L}$)	383.2 \pm 111.2	418.8 \pm 121.3	0.266	405.5 \pm 95.6	444.3 \pm 115.9	0.048
Histological characteristics						
Steatosis (%)			0.248			0.003
1	45 (57.7)	6 (40.0)		71 (34.6)	3 (10.3)	
2	24 (30.8)	8 (53.3)		87 (42.4)	13 (44.8)	
3	9 (11.5)	1 (6.7)		47 (22.9)	12 (41.4)	
4	0	0		0	1 (3.4)	
Ballooning (%)			0.516			0.358
0	11 (14.1)	3 (20.0)		39 (19.0)	2 (6.9)	
1	53 (67.9)	11 (73.3)		130 (63.4)	22 (75.9)	
2	14 (17.9)	1 (6.7)		35 (17.1)	5 (17.2)	
3				1 (0.5)	0	
Lobular inflammation (%)			0.395			0.069
0	12 (15.4)	1 (6.7)		25 (12.2)	2 (6.9)	
1	45 (57.7)	7 (46.7)		135 (65.9)	20 (69.0)	
2	19 (24.4)	7 (46.7)		42 (20.5)	4 (13.8)	
3	12 (2.6)	0		3 (1.5)	3 (10.3)	
NAS	3.7 \pm 1.4	3.9 \pm 1.3	0.593	4.0 \pm 1.4	4.8 \pm 1.4	0.006
NASH (%)	23 (29.5)	6 (40.0)	0.617	69 (33.7)	19 (65.5)	0.001
Significant fibrosis (F \geq 2)	9 (11.5)	4 (26.7)	0.238	35 (17.1)	5 (17.2)	0.994
Advanced fibrosis (F \geq 3)	1 (1.3)	2 (13.3)	0.209	8 (3.9)	0	0.600

Categorical values are shown as n (%). Continuous variables are shown as mean \pm SD. *P* compared with strict-normal group.

Abbreviations: ALT, alanine aminotransferase; AST, aspartate aminotransferase; BMI, body mass index; GGT, gamma-glutamyl transferase; HOMA-IR, homeostasis model assessment of insulin resistance; NAS, NAFLD activity score; TSH: thyroid stimulating hormone; ND, not determined.