

Table 1. Characteristics of MAFLD patients												
Subject	Age/gender	Histological grading	AST (U/L)	ALT (U/L)	TC (mmol/L)	TG (mmol/L)	HDL-c (mmol/L)	LDL-c (mmol/L)	CRP (mg/L)	Glucose (mmol/L)	Total bile acid (μmol/L)	Fasting insulin
1	42/F	Healthy	26.10	79.90	4.30	1.19	1.05	2.80	<5	6.32	4.40	—
2	25/F	Healthy	19.00	23.00	4.00	1.04	1.58	1.76	10.75	5.52	0.70	—
3	32/M	Healthy	9.00	12.00	5.25	2.54	1.06	3.21	<5	8.07	1.10	135.30
4	47/F	Healthy	20.00	14.00	4.15	1.11	1.24	2.70	<5	5.83	13.80	280.70
5	21/M	Healthy	49.00	42.00	4.04	2.42	0.75	2.54	38.20	6.90	0.80	496.50
6	31/F	Healthy	32.50	37.70	4.27	1.39	1.19	2.33	46.60	4.64	0.70	126.20
7	35/F	Healthy	32.00	93.00	4.89	5.13	0.89	2.48	14.71	6.68	33.40	—
8	25/F	Healthy	19.30	17.80	4.00	0.71	0.95	2.91	37.55	4.25	36.10	—
9	60/F	Healthy	19.00	34.00	0.56	3.45	1.02	1.67	<5	7.77	—	—
10	40/F	Healthy	65.00	44.00	4.16	2.03	1.31	3.67	<5	6.14	4.10	112.00
11	32/F	Healthy	14.90	12.30	4.34	0.85	1.05	2.91	7.50	5.52	4.10	225.80
12	34/M	Mild	48.00	25.00	5.43	0.78	1.40	3.29	41.81	5.98	1.10	—
13	43/M	Mild	46.30	27.90	4.89	2.77	0.67	3.51	5.00	5.28	1.90	—
14	31/F	Mild	64.00	31.00	5.36	3.62	0.91	3.58	<5	7.14	2.60	281.50
15	23/F	Mild	16.00	17.00	4.40	1.05	1.52	2.50	10.40	5.12	1.50	214.90
16	33/F	Mild	45.00	29.00	4.33	3.48	0.81	2.78	14.00	5.12	2.70	409.00
17	29/F	Mild	98.00	46.00	5.09	1.22	1.39	3.33	9.90	7.39	4.40	155.50
18	42/F	Mild	37.00	19.00	4.52	2.00	1.48	4.57	<5	5.92	2.50	219.90
19	44/M	Mild	30.00	20.00	3.97	1.22	0.95	2.67	<5	6.24	2.50	180.00
20	30/M	Mild	89.50	48.80	4.54	1.75	0.99	4.70	9.60	6.38	6.10	506.20
21	33/F	Mild	79.00	47.00	5.97	1.57	1.04	4.66	<5	6.84	3.80	346.50
22	26/M	Mild	27.00	18.00	4.36	1.51	1.00	2.85	12.40	5.75	10.60	278.40
23	36/F	Mild	72.50	14.90	4.49	1.64	1.23	2.78	6.10	5.51	3.90	339.40
24	29/F	Mild	92.00	51.40	4.38	1.48	1.16	2.78	6.10	5.10	2.30	135.30
25	36/F	Mild	62.00	43.00	5.22	2.11	1.21	3.26	<5	5.54	2.90	134.60
26	36/F	Mild	27.20	21.10	4.52	1.98	0.91	2.81	<5	5.75	4.00	230.30
27	20/M	Mild	51.00	38.00	4.54	2.37	0.81	3.22	8.60	10.20	3.70	489.50
28	29/F	Mild	84.00	18.00	6.56	2.47	1.17	4.40	14.10	5.85	1.60	137.80
29	33/F	Mild	33.00	23.00	4.36	1.07	1.31	2.94	10.30	7.00	2.70	170.30
30	35/F	Mild	93.00	12.00	4.34	1.29	1.05	3.08	7.70	6.78	2.10	533.20
31	33/M	Mild	19.80	15.00	6.44	2.77	0.87	4.85	24.90	5.93	2.70	431.60
32	28/F	Mild	21.00	16.00	5.58	1.96	1.36	3.82	<5	6.04	2.20	326.50
33	30/F	Mild	51.80	34.00	5.56	2.20	0.82	4.15	24.69	8.46	33.20	—
34	20/M	Mild	70.40	57.70	3.93	2.69	0.79	2.28	34.00	5.56	36.20	—
35	22/F	Mild	62.00	52.00	1.69	4.41	1.01	2.66	—	3.36	—	—
36	61/M	Mild	17.00	18.00	1.05	3.19	1.07	1.37	—	4.72	—	—
37	66/F	Mild	130.00	75.00	4.43	2.09	0.81	0.68	—	5.14	—	—
38	32/F	Mild	48.00	30.00	4.02	1.94	1.04	2.34	10.00	6.08	8.00	516.00
39	29/F	Mild	155.10	113.60	4.92	2.15	1.01	3.24	6.50	4.99	2.10	418.40
40	55/F	Mild	109.10	13.80	5.09	1.27	1.38	2.91	5.00	5.18	1.50	53.00
41	28/F	Mild	128.00	23.70	3.78	1.39	0.68	2.72	39.30	4.37	2.80	194.00

42	18/F	Moderate	118.00	91.00	4.38	1.28	0.83	3.09	15.96	4.62	1.50	—
43	38/F	Moderate	41.00	22.00	4.84	1.52	0.96	3.34	14.01	5.57	0.30	—
44	35/F	Moderate	19.20	14.60	4.79	1.83	1.51	2.54	15.70	8.09	1.70	298.40
45	33/F	Moderate	59.30	35.00	4.54	1.99	1.00	3.07	10.20	5.20	3.00	178.70
46	24/F	Moderate	28.00	37.00	5.03	2.07	1.42	3.33	27.00	8.24	3.00	271.60
47	31/F	Moderate	35.20	22.50	4.86	1.23	1.32	3.23	14.70	5.98	2.60	93.51
48	28/F	Moderate	64.40	36.70	4.82	0.97	1.43	2.79	9.50	5.65	3.70	127.80
49	33/F	Moderate	115.50	11.50	3.86	0.86	1.07	2.55	14.60	5.32	1.90	149.80
50	40/F	Moderate	30.00	24.00	4.19	1.00	1.15	2.79	6.50	5.02	4.60	176.80
51	29/F	Moderate	37.10	31.10	5.43	3.68	1.03	3.61	45.50	19.57	3.10	156.80
52	23/F	Moderate	11.00	14.00	4.98	0.98	1.68	2.75	9.10	4.93	1.60	120.60
53	31/F	Moderate	70.00	38.00	3.36	0.93	1.23	1.91	9.30	4.56	1.70	132.10
54	25/M	Moderate	42.00	20.00	5.42	2.89	1.05	3.89	14.00	5.65	4.30	612.90
55	36/F	Moderate	93.90	46.40	5.96	1.89	1.50	3.99	11.30	5.51	2.20	520.90
56	35/F	Moderate	50.20	25.00	4.93	1.40	1.35	3.23	6.10	6.09	7.30	231.30
57	29/M	Moderate	104.70	35.60	4.47	1.90	1.18	2.45	12.90	7.22	12.70	213.70
58	41/F	Moderate	29.00	21.00	4.59	1.99	1.13	2.63	<5	6.96	6.70	329.60
59	45/M	Moderate	29.00	22.00	4.63	1.35	1.11	3.06	18.50	3.92	2.10	106.80
60	22/F	Moderate	40.00	18.00	3.90	1.14	1.14	2.68	11.00	5.24	2.20	471.50
61	25/M	Moderate	106.00	42.00	3.91	1.22	1.07	2.32	5.30	5.85	2.70	—
62	21/M	Moderate	21.00	19.00	6.20	1.43	1.28	4.48	10.80	5.57	3.40	147.30
63	46/F	Moderate	17.00	16.00	4.63	4.66	1.03	2.56	<5	6.15	5.60	378.40
64	38/F	Moderate	53.00	36.00	5.14	1.54	1.71	3.05	6.10	5.71	0.90	157.20
65	26/F	Moderate	83.00	74.00	5.96	1.44	1.16	4.46	21.97	5.36	37.40	—
66	32/F	Moderate	88.00	59.00	4.09	1.41	0.89	3.05	11.97	7.13	31.40	—
67	22/F	Moderate	54.00	30.00	3.79	1.47	1.10	2.24	37.79	5.00	34.10	—
68	48/F	Moderate	276.00	94.00	1.06	3.24	1.17	1.41	—	6.56	—	—
69	50/F	Moderate	115.00	20.00	4.83	4.64	1.36	2.46	—	4.68	—	—
70	31/M	Moderate	328.00	126.00	1.90	4.91	1.47	2.76	—	4.71	—	—
71	36/F	Moderate	139.00	41.00	—	—	—	—	—	—	—	—
72	55/M	Moderate	133.00	32.00	0.92	3.49	1.06	1.79	—	—	—	—
73	42/F	Moderate	27.70	32.50	4.57	1.39	1.32	2.94	5.80	6.75	2.50	234.40
74	34/M	Moderate	58.00	32.00	5.53	1.60	0.92	4.10	5.20	5.66	1.50	95.65
75	18/M	Moderate	27.90	25.10	3.56	2.69	0.86	2.04	<5	6.53	3.40	339.30
76	25/F	Moderate	25.00	17.00	4.59	1.05	1.29	2.84	<5	5.15	2.80	344.40
77	20/F	Moderate	23.90	17.20	3.42	1.23	0.92	2.02	7.10	5.41	1.70	74.08
78	32/F	Moderate	50.00	39.00	4.76	1.94	1.04	3.24	9.10	11.78	2.90	312.50
79	34/F	Moderate	53.30	36.80	7.01	2.08	1.13	5.18	<5	6.14	3.60	164.00
80	21/F	Moderate	66.90	51.40	3.98	1.40	0.99	2.59	9.90	6.85	1.50	252.50
81	47/F	Moderate	61.00	40.00	5.13	1.59	1.42	3.29	<5	6.12	3.60	194.40
82	33/F	Moderate	25.00	21.00	5.23	1.32	1.38	3.36	<5	5.29	5.90	135.10
83	26/M	Moderate	32.30	23.70	5.19	2.21	1.00	3.54	5.40	6.92	1.40	210.40
84	22/F	Moderate	17.00	12.00	5.19	1.47	1.38	3.36	9.40	6.40	2.40	144.90

85	39/F	Moderate	32.00	23.00	4.13	2.55	0.90	2.78	9.00	6.56	1.70	147.80
86	32/F	Moderate	25.00	114.00	4.71	1.64	0.94	3.20	8.00	5.85	1.40	228.20
87	62/F	Moderate	48.30	126.10	4.95	2.30	1.78	2.62	<5	5.29	2.70	701.80
88	38/F	Moderate	50.70	135.60	6.21	1.72	1.39	4.13	12.90	6.53	2.10	338.00
89	31/F	Moderate	12.00	21.00	5.70	2.63	1.09	3.81	10.40	6.11	3.20	230.00
90	23/F	Moderate	28.00	20.00	4.64	1.26	1.08	3.12	16.80	5.24	4.30	190.70
91	27/F	Moderate	18.90	117.10	4.77	1.26	1.13	2.94	68.30	4.57	3.00	151.00
92	32/M	Moderate	30.20	124.10	5.48	2.48	1.24	3.86	5.00	18.81	1.10	287.00
93	41/F	Moderate	119.80	54.00	6.49	2.23	1.28	4.06	<5	6.06	1.60	225.00
94	40/F	Moderate	23.10	18.80	5.94	5.52	1.28	4.10	19.00	5.55	2.70	124.00
95	34/F	Moderate	67.90	44.10	5.31	2.51	1.18	3.72	5.70	7.34	2.30	329.00
96	41/F	Moderate	23.30	120.90	5.85	2.40	1.03	3.60	<5	7.25	1.10	183.00
97	34/M	Moderate	37.70	24.90	5.00	1.21	1.53	3.10	7.90	6.42	1.70	586.00
98	26/F	Moderate	41.10	26.70	4.96	1.52	1.04	3.43	11.40	6.54	2.60	—
99	53/F	Moderate	14.60	105.20	4.64	5.06	1.73	2.45	<5	5.24	2.60	151.00
100	19/F	Moderate	40.00	24.00	4.38	1.55	1.03	2.94	<5	5.55	5.60	366.40
101	33/M	Moderate	109.00	65.00	5.47	1.92	1.47	3.52	5.90	5.05	2.40	428.10
102	22/F	Moderate	157.00	117.00	6.17	1.67	1.13	4.41	16.20	9.49	7.80	276.60
103	35/M	Severe	224.00	83.10	4.96	2.12	1.19	3.16	6.20	5.69	4.00	334.10
104	36/M	Severe	49.00	122.00	4.91	5.03	0.66	4.22		6.17	2.00	165.10
105	31/F	Severe	22.00	118.00	5.20	5.31	1.11	3.40	22.30	9.50	2.00	215.00
106	30/F	Severe	114.80	79.70	5.10	2.37	0.95	3.44	<5	11.81	4.00	563.70
107	29/F	Severe	218.00	215.00	6.13	2.29	0.90	4.26	11.50	5.73	0.90	330.00
108	44/F	Severe	175.80	52.40	5.79	2.92	0.88	4.38	19.43	6.74	31.00	—
109	18/F	Severe	150.00	129.00	4.12	5.18	1.01	5.74	14.48	4.57	33.95	—
110	26/F	Severe	153.10	126.00	5.35	6.84	1.07	6.91	6.10	4.47	38.60	—
111	56/F	Severe	126.00	130.00	7.66	5.66	0.62	5.66	—	5.50	—	—
112	42/M	Severe	113.00	122.00	6.23	—	—	—	—	—	—	—
113	34/M	Severe	190.00	65.00	6.47	11.54	0.71	2.78	33.22	9.45	40.80	—
114	50/M	Severe	158.00	60.00	1.62	4.76	1.07	2.84	—	4.49	—	—
115	28/M	Severe	127.00	58.00	5.90	—	—	—	—	—	—	—
116	32/F	Severe	80.00	51.00	7.22	1.60	1.25	5.53	13.80	10.94	4.00	179.90
117	26/M	Severe	88.50	189.00	6.05	4.04	0.93	4.53	21.80	11.81	4.60	334.40
118	34/M	Severe	50.00	23.00	5.99	5.12	0.88	4.01	13.00	7.05	3.60	214.40
119	33/F	Severe	213.80	59.20	4.75	1.26	1.06	3.12	15.60	6.62	2.30	456.30
120	38/F	Severe	36.60	30.30	7.18	4.07	1.29	4.63	<5	6.10	2.90	291.70
121	33/M	Severe	46.00	31.60	6.35	2.25	1.33	4.72	<5	6.15	2.10	213.40
122	65/F	Severe	219.00	35.00	5.96	5.71	1.37	3.74	—	5.73	—	—
123	57/F	Severe	221.00	25.00	6.96	6.16	1.76	3.61	—	4.82	—	—
124	22/F	Severe	121.00	19.00	5.45	2.58	1.17	3.67	8.80	9.55	1.70	457.30
125	26/M	Severe	232.70	88.70	5.59	1.22	0.88	4.29	<5	5.79	8.70	268.30
126	19/M	Severe	262.30	147.50	6.12	1.74	1.01	4.83	21.80	6.62	2.00	458.00
127	23/M	Severe	170.30	101.40	5.61	3.80	1.05	3.15	10.90	10.92	3.70	597.00

128	31/F	Severe	42.10	211.66	6.84	5.07	1.52	4.93	6.30	5.48	1.70	75.30
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