

# Profile of Lipoprotein Subclasses in Chinese Primary Open-Angle Glaucoma Patients

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Table S1. Lipid profiles in primary open-angle glaucoma patients

Variables	POAG (n = 20)			controls (n = 20)		
	with elevated TC and/or LDL-C	with normal TC and LDL-C	p Value	with elevated TC and/or LDL-C	with normal TC and LDL-C	p Value
	(n = 10)	(n = 10)		(n = 10)	(n = 10)	
TC (mmol/L)	6.31±0.88	4.58±0.42	<0.001 <sup>c</sup>	5.30±0.40	4.16±0.67	<0.001 <sup>c</sup>
LDL-C (mmol/L)	4.26±0.90	2.66±0.46	<0.001 <sup>c</sup>	3.53±0.36	2.50±0.53	<0.001 <sup>a</sup>
HDL-C (mmol/L)	1.39±0.33	1.37±0.25	0.909 <sup>a</sup>	1.46±0.43	1.28±0.34	0.309 <sup>a</sup>
TG (mmol/L)	2.08±0.89	1.39±0.64	0.065 <sup>a</sup>	1.61±0.74	1.07±0.14	0.046 <sup>c</sup>
oxLDL (U/L)	62.53±14.31	49.03±12.32	0.036 <sup>a</sup>	50.05±9.22	46.89±9.79	0.480 <sup>a</sup>
Lpα (mg/L)	133.90±93.34	141.20±127.4	0.885 <sup>a</sup>	181.70±145.34	95.30±86.28	0.190 <sup>d</sup>
ApoB (g/L)	1.10±0.22	0.75±0.16	0.001 <sup>a</sup>	0.95±0.13	0.75±0.09	0.001 <sup>a</sup>
ApoAI (g/L)	1.38±0.30	1.24±0.10	0.185 <sup>d</sup>	1.31±0.20	1.20±0.23	0.242 <sup>a</sup>
ApoB/AI	0.82±0.16	0.61±0.13	0.006 <sup>a</sup>	0.74±0.17	0.65±0.16	0.261 <sup>a</sup>
IDL (mg/dL)	48.41±26.34	28.53±10.22	0.047 <sup>c</sup>	43.50±11.76	24.65±12.91	0.003 <sup>a</sup>
IDL-A (mg/dL)	10.00±4.09	9.27±5.25	0.393 <sup>d</sup>	10.57±4.70	7.06±3.20	0.067 <sup>a</sup>
IDL-B (mg/dL)	4.77±4.35	2.75±2.74	0.231 <sup>a</sup>	5.76±4.04	1.95±2.18	0.007 <sup>d</sup>
IDL-C (mg/dL)	33.64±22.93	16.51±9.32	0.049 <sup>c</sup>	27.18±7.97	10.46±3.31	0.013 <sup>a</sup>
LDL1 (mg/dL)	53.14±23.95	37.49±10.92	0.076 <sup>a</sup>	39.76±13.68	36.80±11.31	0.604 <sup>a</sup>
LDL2 (mg/dL)	30.87±16.49	20.65±7.37	0.098 <sup>c</sup>	31.94± 15.01	22.89±9.98	0.130 <sup>a</sup>
LDL3 (mg/dL)	29.43±7.59	15.65±9.90	0.003 <sup>d</sup>	19.36±10.49	10.93±4.55	0.043 <sup>d</sup>
sdLDL (mg/dL)	32.08±6.69	16.17±10.69	0.001 <sup>d</sup>	21.36±12.31	12.36±5.10	0.054 <sup>c</sup>
L-HDL (mg/dL)	11.40±9.03	10.35±6.48	0.768 <sup>a</sup>	10.81±8.09	9.15± 6.78	0.436 <sup>d</sup>
I-HDL (mg/dL)	21.11±7.75	21.76±5.75	0.835 <sup>a</sup>	23.44±9.66	20.94±7.40	0.524 <sup>a</sup>
S-HDL (mg/dL)	21.07±8.51	20.90±5.78	0.959 <sup>a</sup>	22.04±4.86	19.20±3.75	0.162 <sup>a</sup>
VLDL (mg/dL)	51.00±9.56	35.5±4.97	<0.001 <sup>a</sup>	47.80±5.83	33.6±6.85	<0.001 <sup>a</sup>
non-HDL	4.92±0.67	3.21±0.57	<0.001 <sup>a</sup>	3.85±0.44	2.88±0.52	<0.001 <sup>a</sup>
TC/HDL-C ratio	181.13±29.40	133.44±29.81	0.002 <sup>a</sup>	150.42±38.81	135.95±40.64	0.218 <sup>d</sup>
oxLDL/HDL-C	46.67±13.04	37.86±15.71	0.189 <sup>a</sup>	38.72±19.16	39.53±15.75	0.921 <sup>a</sup>
oxLDL/LDL-C	14.95±3.04	18.47±3.21	0.021 <sup>a</sup>	14.38±2.08	18.96±2.72	0.001 <sup>a</sup>

oxLDL/TC ratio	9.93±1.90	10.70±2.37	0.436 <sup>a</sup>	9.60±2.03	11.02±1.40	0.092 <sup>a</sup>
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TC, total cholesterol; TG, triglyceride; LDL-C, low-density lipoprotein cholesterol; HDL-C, high density lipoprotein cholesterol; Lpα, lipoprotein α; ApoB, apolipoprotein B; ApoAI, apolipoprotein AI; oxLDL, oxidized LDL; IDL, intermediate-density lipoprotein; sdLDL, small density lipoprotein; L-HDL, large HDL; I-HDL, intermediate HDL; S-HDL, small HDL; VLDL, very low-density lipoprotein; non-HDL, non-high-density lipoprotein cholesterol.

<sup>a</sup>Student *t* test, <sup>c</sup>Welch *t* tests; <sup>d</sup>Wilcoxon rank sum test.

Data are presented as mean ±SD.

Note: LDL4 was detected in 5, 4, 3, and 4 cases in POAG and control subjects in both elevated and normal TC and LDL-C level participants, respectively, while LDL5-LDL7 were not detected.