

Postprandial Apolipoprotein B48 is Associated with Subclinical Atherosclerosis in Patients with Rheumatoid Arthritis

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Table S1. Lipid profile and carotid ultrasound in control group according to cIMT.

Variable	Control group with IMT >p90 <i>n</i> = 9		Control group with IMT ≤p90 <i>n</i> = 31		Control group with IMT >p90 vs with IMT ≤p90 <i>p</i> -value	
	Fasting	Postprandial	Fasting	Postprandial	Fasting	Postprandial
Fasting lipid profile						
Total cholesterol (mg/dl), median (IQR)	190.0 (171.1–226.5)	189.0 (166.5–220.5)	202.0 (176.0–236.0)	201.5 (167.7–227.0)	0.656	0.678
LDL cholesterol (mg/dl), median (IQR)	110.0 (83.5–148.0)	108.0 (75.5–131.5)	120.0 (96.0–142.0)	108.5 (83.0–128.0)	0.667	0.638
HDL cholesterol (mg/dl), median (IQR)	56.0 (45.5–74.0)	53.0 (46.5–68.5)	60.0 (48.0–71.0)	58.0 (45.0–66.0)	0.762	0.830
Triglycerides (mg/dl), median (IQR)	72.0 (54.5–140.5)	116.5 (67.7–206.7)	86.0 (60.0–128.0)	136.0 (97.2–170.0)	0.545	0.473
Chylomicrons (triglycerides), median (IQR)	15.2 (5.3–42.9)	51.2 (15.3–78.2)	17.0 (7.5–45.3)	54.3 (32.4–80.7)	0.831	0.473

Chylomicrons (cholesterol), median (IQR)	5.5 (2.6–22.4)	29.1 (5.5–36.8)	11.0 (7.5–45.3)	14.1 (8.7–32.9)	0.509	0.497
VLDL (triglycerides), median (IQR)	13.6 (8.5–43.7)	24.2 (11.2–57.1)	20.7 (9.8–31.1)	25.0 (17.9–38.1)	0.935	0.911
VLDL (cholesterol), median (IQR)	5.9 (1.6–14.1)	7.1 (4.0–15.6)	5.7 (2.8–8.3)	7.4 (3.9–10.6)	0.730	0.543
ApoB48, median (IQR)	5.2 (4.6–8.0)	14.4 (9.4–15.6)	8.3 (6.4–11.8)	13.9 (11.7–17.2)	0.116	0.274
ApoB total, median (IQR)	101.9 (80.0–108.0)	94.1 (74.0–105.1)	96.8 (82.4–111.2)	92.9 (76.7–104.0)	0.975	0.846
Increased postprandial blood lipids						
Triglycerides (mg/dl), median (IQR)		42.7 (16.1–128.8)		48.4 (32.2–75.8)		0.709
Chylomicrons (triglycerides), median (IQR)		29.3 (11.8–135.3)		33.5 (13.1–64.0)		0.289
VLDL (triglycerides), median (IQR)		9.8 (2.2–22.4)		8.4 (2.0–17.7)		0.975
ApoB48, median (IQR)		6.7 (3.3–9.9)		6.9 (2.2–9.8)		0.920

* $p < 0.005$ fasting vs postprandial value. Abbreviations: cIMT, carotid intima media thickness; LDL, low-density lipoprotein; HDL, high-density lipoprotein; TG, triglycerides; VLDL, very-low-density lipoprotein.

Table S2. Lipid profile and carotid ultrasound in RA patients according to cIMT excluded the men.

Variable	RA with IMT >p90 n=6		RA with IMT ≤p90 n = 29		RA with IMT >p90 vs RA with IMT ≤p90	
	Fasting	Postprandial	Fasting	Postprandial	Fasting	Postprandial
Fasting lipid profile						
Total cholesterol (mg/dl), median (IQR)	234.5 (212.7–255.7)	210.0 (195.2–252.5)	212.0 (185.5–227.5)	200.0 (177.0–228.0)	0.176	0.235
LDL cholesterol (mg/dl), median (IQR)	139.0 (133.0–165.5)	116.0 (105.7–145.0)	122.0 (103.5–140.5)	110.0 (94.0–129.5)	0.164	0.312
HDL cholesterol (mg/dl), median (IQR)	66.5 (60.2–78.2)	62.5 (55.7–72.2)	66.0 (53.5–80.5)	62.0 (52.5–77.0)	0.749	0.783
Triglycerides (mg/dl), median (IQR)	112.0 (83.5–165.7)	195.0 (125.2–326.5)	74.0 (63.0–105.0)	111.0 (83.0–163.5)	0.021	0.042
Chylomicrons (triglycerides), median (IQR)	52.7 (16.6–64.9) *	77.7 (22.9–195.4) *	13.8 (8.7–20.9)	34.2 (21.7–48.9)	0.011	0.052

Chylomicrons (cholesterol), median (IQR)	13.4 (8.0–23.3)	15.5 (5.7–33.2)	8.5 (6.0–10.7)	14.3 (7.2–23.2)	0.093	0.782
VLDL (triglycerides), median (IQR)	27.2 (21.9–42.4)	37.3 (17.3–60.0)	13.8 (9.7–23.1)	20.7 (12.9–38.7)	0.011	0.098
VLDL (cholesterol), median (IQR)	5.9 (4.9–10.7)	8.8 (3.4–12.7)	2.7 (1.9–5.4)	3.9 (2.6–8.9)	0.014	0.048
ApoB48, median (IQR)	7.5 (5.5–12.1) *	23.7 (10.0–31.1) *	7.0 (6.1–10.2)	13.4 (10.4–18.4)	0.685	0.046
ApoB total, median (IQR)	104.0 (98.9–120.8)	106.3 (89.8–114.0)	94.5 (79.2–105.5)	91.9 (75.3–103.0)	0.093	0.062
Increased postprandial blood lipids						
Triglycerides (mg/dl), median (IQR)		63.7 (16.2–140.0)		35.7 (17.1–61.6)		0.279
Chylomicrons (triglycerides), median (IQR)		46.4 (11.0–147.0)		20.0 (10.2–34.7)		0.042
VLDL (triglycerides), median (IQR)		11.8 (6.4–22.0)		7.0 (3.0–16.3)		0.454
ApoB48, median (IQR)		13.0 (6.2–16.4)		6.7 (3.4–8.4)		0.032

* $p < 0.005$ fasting vs postprandial value. Abbreviations: cIMT, carotid intima media thickness; LDL, low-density lipoprotein; HDL, high-density lipoprotein; TG, triglycerides; VLDL, very-low-density lipoprotein.