

Table S1 Baseline characteristics in patients divided according to carotid IPN regression

Characteristics	Regression (n=24)	N-regression (n=11)	P value
Age (years), mean (SD)	49.83 (11.36)	53.45 (13.31)	0.413
Men, n (%)	20 (83.3)	9 (81.8)	>0.99
BMI (kg/m ²), mean (SD)	26.08 (3.74)	26.19 (3.38)	0.931
History of hypertension, n (%)	8 (33.3)	5 (45.5)	0.709
History of diabetes mellitus, n (%)	4 (16.7)	4 (36.4)	0.226
History of smoking, n (%)	13 (54.2)	3 (27.3)	0.138
Family history of CAD, n (%)	3 (12.5)	3 (27.3)	0.282
Lipid profile at baseline, mean (SD)			
TC (mmol/L)	4.16 (1.61)	4.04 (1.19)	0.823
TG (mmol/L)	1.59 (0.65)	1.38 (0.51)	0.366
Apo A1 (mmol/L)	1.20 (0.24)	1.12 (0.32)	0.406
Apo B (mmol/L)	0.75 (0.32)	0.81 (0.30)	0.506
Apo B/A1 ratio	0.66 (0.33)	0.79 (0.41)	0.294
HDL-C (mmol/L)	1.02 (0.29)	1.08 (0.35)	0.639
LDL-C (mmol/L)	2.74 (1.34)	2.66 (1.11)	0.865
LDL-C:HDL-C ratio	2.77 (1.43)	2.69 (1.39)	0.882
Lipid profile at 12 months, mean (SD)			
TC (mmol/L)	2.79 (0.89)	3.15 (1.09)	0.300
TG (mmol/L)	1.34 (0.64)	1.24 (0.37)	0.623
Apo A1 (mmol/L)	1.35 (0.27)	1.40 (0.37)	0.662
Apo B (mmol/L)	0.46 (0.18)	0.58 (0.20)	0.105
Apo B/A1 ratio	0.36 (0.16)	0.44 (0.18)	0.187
HDL-C (mmol/L)	1.22 (0.34)	1.17 (0.33)	0.657
LDL-C (mmol/L)	1.29 (0.70)	1.59 (0.38)	0.189
LDL-C:HDL-C ratio	1.13 (0.76)	1.44 (0.51)	0.225
Lipid profile (change percent), mean (SD)			
TC	-25.23 (30.44)	-20.64 (19.68)	0.651
TG	-10.35 (44.54)	-6.25 (23.83)	0.777
Apo A1	14.45 (24.65)	30.15 (46.84)	0.200
Apo B	-30.54 (28.43)	-24.43 (26.18)	0.550
Apo B/A1 ratio	-36.07 (31.27)	-35.48 (28.50)	0.958
HDL-C	23.63 (36.94)	11.47 (20.85)	0.318
LDL-C	-53.31 (23.20)	-29.55 (19.47)	0.006
LDL-C:HDL-C ratio	-56.45 (30.80)	-34.91 (22.09)	0.045

N-regression: patients without regression of carotid neovascularization. IPN, intraplaque neovascularization; SD, standard deviation; BMI, body mass index; CAD, coronary artery disease; TC, total cholesterol; TG, triglyceride; Apo, apolipoprotein; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol.

Table S2 Association between carotid IPN regression and clinical variables

Variables	Univariate		Multivariate	
	Beta value	P value	Beta value	P value
Age (years)	-0.027	0.402	0.118	0.164
Hypertension	-0.511	0.493	-1.855	0.133
Diabetes mellitus	-1.050	0.207	-3.755	0.051
History of smoking	1.148	0.147	1.313	0.420
History of family CAD	0.965	0.292	-3.611	0.159
LDL-C change percent	-0.071	0.010	-0.177	0.031
LDL-C:HDL-C ratio change percent	-0.033	0.034	0.042	0.485

Univariate and multivariate regression analyses were applied to determine the factors associated with carotid IPN regression. IPN, intraplaque neovascularization; CAD, coronary artery disease; LDL-C, low-density lipoprotein cholesterol; HDL-C, high-density lipoprotein cholesterol.