

Table S1 Multivariate linear regression analysis results on the plaque vulnerability features of LAD/LCx and PCAT multiparametric indices

Dependent variable	Independent variable	Constant (95% CI)	β value	R ² value	t value	P value
FAI	PR	2.490 (1.084 to 3.895)	0.198	0.429	3.493	0.001
	PC	2.037 (0.703 to 3.371)	0.161		3.011	0.003
	LAP	4.843 (3.096 to 6.590)	0.385		5.465	<0.001
	NRS	2.515 (0.603 to 4.427)	0.181		2.593	0.010
FV	PR	-408.772 (-609.205 to -208.338)	-0.263	0.240	-4.021	<0.001
	LAP	-384.399 (-628.306 to -140.491)	-0.247		-3.107	0.002
	NRS	-207.611 (-478.460 to 63.239)	-0.121		-1.511	0.132
Non-FAI	PR	1.380 (-0.176 to 2.935)	0.117	0.202	1.749	0.082
	PC	2.232 (0.755 to 3.708)	0.188		2.980	0.003
	LAP	2.835 (0.901 to 4.768)	0.241		2.891	0.004
	NRS	1.761 (-0.356 to 3.877)	0.135		1.640	0.102
PVWI	PR	0.151 (0.031 to 0.270)	0.181	0.067	2.492	0.013
	LAP	0.076 (-0.069 to 0.221)	0.091		1.032	0.303
	NRS	0.078 (-0.083 to 0.239)	0.084		0.952	0.342
VPCI	PR	1.648 (0.540 to 2.756)	0.195	0.220	2.932	0.004
	LAP	2.312 (0.963 to 3.660)	0.272		3.380	0.001
	NRS	1.247 (-0.251 to 2.745)	0.133		1.642	0.102

FAI, fat attenuation index; FV, fat volume; LAP, low attenuation plaque; NRS, napkin-ring sign; PC, punctate calcification; PR, positive remodeling; PVWI, perivascular water attenuation index; VPCI, volumetric pericoronary characterization index.

Table S2 Multivariate linear regression analysis results on the plaque vulnerability features of RCA and PCAT multiparametric indices

Dependent variable	Independent variable	Constant (95% CI)	β value	R ² value	t value	P value
FAI	PR	3.320 (0.536 to 6.104)	0.219	0.505	2.375	0.020
	PC	2.957 (0.408 to 5.507)	0.185		2.310	0.024
	LAP	6.318 (2.793 to 9.844)	0.416		3.570	0.001
	NRS	3.000 (-0.305 to 6.305)	0.189		1.808	0.075
FV	PR	-414.372 (-788.565 to -40.180)	-0.233	0.347	-2.205	0.030
	LAP	-833.651 (-1300.763 to -366.540)	-0.468		-3.554	0.001
	NRS	41.342 (-398.944 to 481.627)	0.022		0.187	0.852
Non-FAI	PR	3.109 (0.298 to 5.920)	0.242	0.298	2.203	0.031
	PC	3.068 (0.494 to 5.643)	0.226		2.374	0.020
	LAP	1.099 (-2.461 to 4.658)	0.085		0.615	0.540
	NRS	4.387 (1.050 to 7.724)	0.326		2.618	0.011
PVWI	PR	0.096 (-0.142 to 0.334)	0.096	0.167	0.803	0.424
	LAP	0.414 (0.117 to 0.711)	0.414		2.778	0.007
	NRS	-0.044 (-0.324 to 0.236)	-0.042		-0.313	0.755
VPCI	PR	0.492 (-2.669 to 3.653)	0.037	0.188	0.310	0.757
	LAP	6.884 (2.938 to 10.830)	0.511		3.474	0.001
	NRS	-1.531 (-5.250 to 2.189)	-0.109		-0.820	0.415

CI, confidence interval; FAI, fat attenuation index; FV, fat volume; LAP, low attenuation plaque; NRS, napkin-ring sign; PC, punctate calcification; PR, positive remodeling; PVWI, perivascular water attenuation index; VPCI, volumetric pericoronary characterization index.