

APPENDIX C

Per-Patient and Per-Lesion APCs by for Non-Obstructive vs Obstructive Plaque in Age < 65 and Age ≥ 65 CCTA, Angiographic Stenosis

Variable Per Patient, mean (SD)	Age <65			Age ≥65		
	Non-obstructive (<50%) (N=62)	Obstructive (≥50%) (N=77)	P-Value	Non-obstructive (<50%) (N=66)	Obstructive (≥50%) (N=98)	P-Value
PV, mm ³	357.5 (379.3)	500.1 (349.8)	0.00229	510.7 (206.2)	792.7 (486.1)	0.0004
LD-NCP, mm ³	8.6 (11.1)	15.0 (15.3)	0.0046	8.9 (12.9)	12.4 (15.8)	0.14
NCP, mm ³	243.0 (220.2)	352.1 (266.8)	0.0107	286.5 (190.2)	426.2 (262.7)	0.0001
CP, mm ³	114.5 (190.5)	148.0 (187.5)	0.30	224.2 (372.1)	366.5 (336.2)	0.01
% Plaque Calcified	25.3 (21.3)	26.6 (21.3)	0.56	33.9 (22.4)	42.5 (20.5)	0.01
Remodeling Index	1.30 (0.20)	1.38 (0.23)	0.04	1.35 (0.21)	1.40 (0.22)	0.14
Positive Remodeling >1.1, n (%)	48 (79%)	67 (88.2%)	0.09	55 (83%)	88 (90%)	0.29
Intermediate Remodeling, n(%)	10 (16%)	9 (12%)		10 (15%)	10 (10%)	
Negative Remodeling, n (%)	3 (5%)	0		1 (2%)	0	
HRP (LD-NCP+PR), n(%)	43 (69%)	61 (79%)	0.18	51 (77%)	79 (81%)	0.60
Lesion Length, mm	23.5 (13.7)	28.7 (14.8)	0.03	31.9 (21.1)	37.6 (19.6)	0.07
Variable Per Lesion	Non-obstructive (<50%) (N=71)	Obstructive (≥50%) (N=77)	P-Value	Non-obstructive (<50%) (N=116)	Obstructive (≥50%) (N=98)	P-Value
Plaque volume, mm ³	60.5 (79.8)	103.8 (134.5)	0.01	105.6 (140.5)	109.7 (131.4)	0.81
LD-NCP, mm ³	1.6 (3.1)	4.2 (8.2)	0.01	2.0 (6.6)	2.6 (10.0)	0.60
NCP, mm ³	38.4 (50.8)	74.6 (108.1)	0.0036	56.2 (75.8)	61.5 (85.8)	0.51
CP, mm ³	22.1 (39.1)	29.2 (51.5)	0.69	49.4 (86.8)	48.2 (72.7)	0.87
Remodeling Index	1.13 (0.20)	1.10 (0.28)	0.15	1.06 (0.21)	1.05 (0.28)	0.71
Positive Remodeling >1.1, n(%)	29 (41%)	25 (33%)	0.15	34 (29%)	29 (30%)	0.11
Intermediate Remodeling, n(%)	28 (39%)	26 (34%)		46 (40%)	27 (28%)	
Negative Remodeling, n(%)	14 (20%)	26 (34%)		36 (31%)	42 (43%)	
HRP (LD-NCP+PR), n(%)	34 (48%)	31 (40%)	0.38	42 (36%)	33 (34%)	0.67
Lesion Length, mm	13.9 (10.4)	18.3 (15.5)	0.03	18.1 (15.6)	18.2 (15.1)	0.96

Abbreviations: PV = plaque volume; PAV = percent atheroma volume; LD-NCP = low-density non-calcified plaque; NCP = non-calcified plaque; CP = calcified plaque; PR = positive remodeling; HRP = High-risk plaque