

Supplementary Table 1 Comparison of the coronary computed tomography angiography parameters between normotension group and hypertension group before matching

	Normotension group, n = 213	Hypertension group, n = 668	P value
Age (years)	58.15 ± 9.24	63.64 ± 10.67	< 0.001
Male sex, n (%)	90 (42.3)	357 (53.4)	0.004
Body mass index (kg/m ²)	23.66 ± 3.10	24.29 ± 3.44	0.017
Smoking, n (%)	33 (15.5)	128 (19.2)	0.028
Dyslipidemia, n (%)	96 (45.1)	285 (42.7)	0.037
Statin, n (%)	127 (59.6)	476 (71.3)	0.001
Tube voltage			0.002
100 kVp, n (%)	140 (65.7)	347 (51.9)	
120 kVp, n (%)	71 (33.3)	306 (45.8)	
140 kVp, n (%)	2 (0.9)	15 (2.2)	
LAD-PCAT (HU)	-78.34 ± 8.19	-76.56 ± 8.39	0.009
LCX-PCAT (HU)	-72.14 ± 8.19	-71.60 ± 8.78	0.432
RCA-PCAT (HU)	-77.72 ± 7.95	-76.49 ± 8.82	0.069
High-risk plaques, n (%)			
Any LAP	47 (22.1)	266 (39.8)	< 0.001
Any SC	63 (29.6)	297 (44.5)	< 0.001
Any NRS	66 (31.0)	247 (37.0)	0.112
Any PR	115 (54.0)	489 (73.2)	< 0.001

OS, n (%)	36 (16.9)	240 (35.9)	< 0.001
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Data are showed as means \pm SD, median (25th and 75th percentile), or *n* (%). LAD: Left anterior descending artery; LCX: Left circumflex artery; RCA: Right coronary artery; PCAT: Pericoronary adipose tissue; NRS: napkin-ring sign; SC: Spotty calcification; LAP: Low attenuation plaque; PR: Positive remodeling; OS: Obstructive stenosis.

Supplementary Table 2 Comparison of the coronary computed tomography angiography parameters between two groups of hypertension patients before matching

	Low SBPV group vs. High SBPV group			Controlled SBP group vs. Uncontrolled SBP group		
	Low SBPV group, <i>n</i> = 334	High SBPV group, <i>n</i> = 334	<i>P</i> value	Controlled SBP group, <i>n</i> = 313	uncontrolled SBP group, <i>n</i> = 355	<i>P</i> value
Age (years)	63.90 \pm 10.23	63.02 \pm 11.07	0.006	63.80 \pm 10.07	63.16 \pm 11.16	0.043
Male sex, n (%)	170 (50.9)	187 (56.0)	0.017	155 (49.5)	202 (56.9)	0.006
Body mass index (kg/m ²)	24.42 \pm 3.40	24.39 \pm 3.82	0.002	24.39 \pm 3.40	24.43 \pm 3.78	0.023
Smoking, n (%)	65 (19.5)	63 (18.9)	0.044	58 (18.5)	70 (19.7)	0.007
Dyslipidemia, n (%)	135	150	0.019	123 (40.6)	162 (48.4)	0.049

n (%)	(41.8)	(47.6)				
Systolic pressure (mmHg)	137 ± 10	142 ± 16	< 0.001	-	-	-
SBPV (mmHg)	-	-	-	7.59 ± 1.53	12.81 ± 2.26	< 0.001
Statin, n (%)	246 (73.7)	230 (68.9)	0.011	228 (72.8)	248 (69.9)	0.005
Tube voltage			0.024			0.007
100 kVp, n (%)	182 (54.5)	153 (48.1)		174 (55.8)	161 (47.4)	
120 kVp, n (%)	145 (43.4)	157 (49.4)		131 (42.0)	171 (50.3)	
140 kVp, n (%)	7 (2.1)	8 (2.5)		7 (2.2)	8 (2.4)	
LAD-PCAT (HU)	-76.91 ± 7.76	-76.39 ± 7.85	0.052	-77.20 ± 7.64	-76.15 ± 9.80	0.029
LCX-PCAT (HU)	-71.16 ± 7.70	-72.29 ± 9.65	0.099	-71.57 ± 7.72	-71.85 ± 9.57	0.681
RCA-PCAT (HU)	-76.55 ± 7.71	-76.62 ± 9.66	0.924	-77.00 ± 7.82	-76.21 ± 9.45	0.250
High-risk plaques, n (%)						
Any LAP	109 (32.6)	157 (47.0)	< 0.001	94 (30.0)	172 (48.5)	< 0.001
Any SC	124	173	<	111 (35.5)	186 (52.4)	<

	(37.1)	(51.8)	0.001			0.001
Any NRS	112 (33.5)	135 (40.4)	0.065	94 (30.0)	153 (43.1)	<
Any PR	216 (64.7)	273 (81.7)	<	194 (62.0)	295 (83.1)	<
OS, n (%)	85 (25.4)	155 (46.4)	<	71 (22.7)	169 (47.6)	<

Data are showed as means \pm SD, median (25th and 75th percentile), or *n* (%). SBP: Systolic blood pressure; SBPV: Systolic blood pressure variability; LAD: Left anterior descending artery; LCX: Left circumflex artery; RCA: Right coronary artery; PCAT: Pericoronary adipose tissue; NRS: Napkin-ring sign; SC: Spotty calcification; LAP: Low attenuation plaque; PR: Positive remodeling; OS: Obstructive stenosis.