

Supplementary materials

Association of subclinical atherosclerosis with retinal vein occlusion: A prospective, case-control study

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Supplementary Table S1. Baseline characteristics according to the type of RVO in the matched cohort

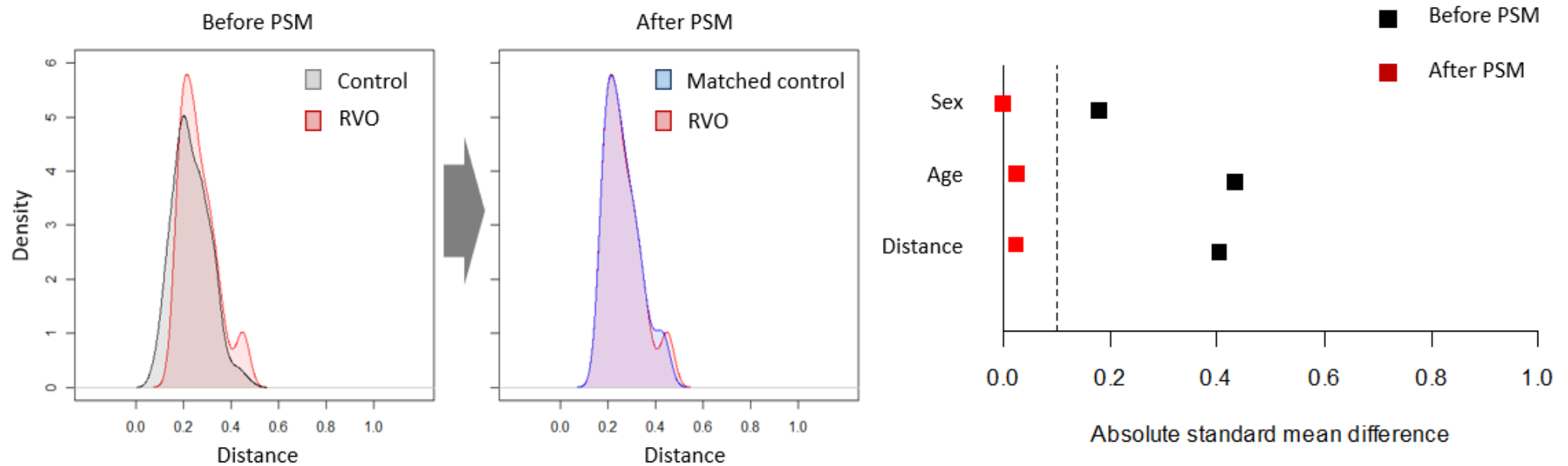
	RVO (-)	BRVO	CRVO	<i>p</i> -value	SMD
	N = 70	N = 53	N = 16		
Age (years)	58.7 ± 11.4	58.7 ± 9.8	59.8 ± 14.3	0.941	0.056
Female sex, n (%)	33 (47.1)	27 (50)	6 (37.5)	0.679	0.169
Hypertension, n (%)	55 (78.6)	45 (83.3)	15 (93.8)	0.345	0.301
Diabetes mellitus, n (%)	13 (18.6)	6 (11.1)	6 (37.5)	0.052	0.43
Dyslipidemia, n (%)	12 (17.1)	7 (13)	7 (43.8)	0.019	0.483
Smoking, n (%)	15 (21.4)	15 (27.8)	7 (43.8)	0.181	0.325
Alcohol intake, n (%)	24 (34.3)	21 (38.9)	6 (37.5)	0.866	0.064
Antiplatelet treatment	6 (8.6)	6 (11.1)	4 (25)	0.175	0.301
BMI (kg/m ²)	24.9 ± 3.3	25.7 ± 3	25.7 ± 3.3	0.361	0.162
ASCVD 10 yr. (%)	11.1 ± 10.7	11.3 ± 10.6	17.2 ± 15.7	0.134	0.309
Glucose level (mg/dL)	114.7 ± 33.8	109.9 ± 27.5	118.3 ± 36.5	0.562	0.174
HbA1c level (%)	5.9 ± 0.9	5.7 ± 0.6	6.4 ± 1.4	0.009	0.502
Total cholesterol level (mg/dL)	183 ± 36.1	207.6 ± 35.9	172.8 ± 42.7	<0.001	0.608
Triglyceride level (mg/dL)	154.1 ± 86.4	158 ± 80.9	153.1 ± 79.5	0.96	0.04
HDL level (mg/dL)	52.2 ± 11.2	56.2 ± 18.2	55 ± 22.7	0.357	0.161
LDL level (mg/dL)	107.5 ± 24.9	125 ± 26.9	95.4 ± 29.3	<0.001	0.724
eGFR (mL/min/1.73 m ²)	95.7 ± 12.9	92.6 ± 15.1	92.2 ± 14.9	0.398	0.168
D dimer level (ng/mL)	116.5 ± 96	99.5 ± 72.5	128 ± 80.8	0.394	0.234
PWV (cm/second)	1517.7 ± 291.1	1657.6 ± 283.4	1696.1 ± 437.6	0.017	0.357
Average ABI	1.11 ± 0.09	1.14 ± 0.06	1.14 ± 0.08	0.116	0.261
Carotid IMT (mm)	0.67 ± 0.12	0.68 ± 0.1	0.68 ± 0.16	0.903	0.053
Carotid plaque					
None	50 (71.4)	23 (42.6)	9 (56.2)	0.003	0.527

Unilateral	16 (22.9)	15 (27.8)	3 (18.8)		
Bilateral	4 (5.7)	16 (29.6)	4 (25.0)		
Any	20 (28.6)	31 (57.4)	7 (43.8)	0.005	0.402

ABI, ankle-brachial index; ASCVD, atherosclerotic cardiovascular disease; BMI, body mass index; BRVO, branch retinal vein occlusion CIMT, carotid intima-media thickness; CRVO, central retinal vein occlusion; eGFR, estimated glomerular filtration rate; HbA1c, hemoglobin A1C; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol; PWV, pulse wave velocity; RVO, retinal vein occlusion; SMD, standardized mean difference

Supplementary Figure S1. Efficacy of the propensity score matching

Age and sex were matched between the patients with RVO and those without RVO using the propensity scores, and the histograms and the absolute mean difference showed that age and sex were well balanced after the matching process.



PSM, propensity score matching; RVO, retinal vein occlusion