

Original Article

Supplementary table 1 – Demographic and clinical characteristics of participants by paraoxonase-1 (PON-1) gene polymorphisms

Variable	QQ	QR/RR	p-value
	n = 36	n = 80	
Men (%)	20 (55)	54 (67)	0.216
Age (years)	57 ± 10	56 ± 9	0.614
Hypertension (%)	33 (92)	71 (89)	0.633
Smoking (%)	7 (19)	28 (35)	0.091
Diabetes (%)	10 (28)	26 (33)	0.611
AMI (%)	13 (36)	42 (53)	0.102
Unstable angina (%)	23 (64)	38 (47)	0.102
Stroke (%)	5 (14)	4 (5)	0.098
PVD (%)	5 (14)	7 (9)	0.400
BMI (Kg/m ²)	29.7 ± 4.1	30.3 ± 4.9	0.451
Waist circumference (cm)	102.7 ± 11.2	102.7 ± 10.6	0.282
Systolic arterial pressure (mmHg)	130 (110-150)	130 (120-140)	0.861
Diastolic arterial pressure (mmHg)	81 ± 19	82 ± 15	0.572
Heart rate (bpm)	66 ± 13	71 ± 13	0.725
Gensini score (au)	18 (2-41)	21 (0-33)	0.276
Gensini ≥ median (%)	14 (47)	28 (53)	0.589
FMD (%)	11.5 (7.0-17.1)	12.3 (7.3-19.6)	0.567
EIR (%)	14.5 ± 8.3	16.4 ± 9.1	0.279

Categorical variables expressed as N (%); numerical variables expressed as mean ± standard deviation or median and interquartile ranges. Categorical variables compared by the chi-square test or the Fisher's exact test; numerical variables compared by Student's t-test or the Mann-Whitney test. AMI: acute myocardial infarction; PVD: peripheral vascular disease; BMI: body mass index; FMD: flow-mediated dilation; EIR: endothelium-independent relaxation; AU: arbitrary units.

Supplementary table 2 – Laboratory characteristics of participants by paraoxonase-1 (PON-1) gene polymorphisms

Variable	QQ	QR/RR	p-value
	n = 36	n = 80	
Total cholesterol (mg/dL)	188 ± 37	184 ± 41	0.476
HDL-c (mg/dL)	39 ± 9	39 ± 9	0.362
LDL-c (mg/dL)	114 ± 34	109 ± 36	0.694
Triglycerides (mg/dL)	174 (123-215)	161 (127-197)	0.624
Apolipoprotein A1 (mg/dL)	104 ± 16	109 ± 20	0.263
Apolipoprotein B (mg/dL)	113 ± 25	116 ± 28	0.586
ApoB / ApoA1	1.11 ± 0.31	1.10 ± 0.34	0.916
Lipoprotein (a) (mg/dL)	35 (9-67)	32 (16-75)	0.771
Creatinine (mg/dL)	1.0 (0.8-1.2)	1.0 (0.9-1.1)	0.745
Glycemia (mg/dL)	120 ± 36	128 ± 50	0.351
HbA1c (%)	5.7 (5.2-6.8)	6.1 (5.5-6.9)	0.130
Mean baseline insulin (μUI/L)	13 (9-20)	12 (8-19)	0.444
Hs-CRP (mg/L)	12.8 (6.7-24.1)	7.0 (4.8-16.5)	0.029
TBARS (nmol/mL plasma)	1.6 ± 0.6	1.7 ± 0.7	0.699
Adiponectin (ng/mL)	6158 ± 4644	6399 ± 4626	0.809
Albuminuria (mg/L)	3.67 (0.12-26.5)	2.11 (0.45-7.18)	0.515

Numerical variables expressed as mean ± standard deviation or median and interquartile range, compared by the Student's t-test or the Mann-Whitney test. Apo: apolipoprotein; HbA1c: glycated hemoglobin; HDL-c: high density lipoprotein; LDL-C: low density lipoprotein; hs-CRP: high-sensitivity C-reactive protein; TBARS: thiobarbituric acid reactive substances.

Supplementary table 3 – Demographic and clinical characteristics of participants by methylenetetrahydrofolate reductase (MTHFR) gene polymorphisms

Variable	CC	CT/TT	p-value
	n = 36	n = 79	
Men (%)	24 (67)	50 (63)	0.726
Age (years)	56 ± 9	56 ± 9	0.950
Hypertension (%)	34 (94)	69 (87)	0.248
Smoking (%)	12 (33)	23 (29)	0.648
Diabetes (%)	9 (25)	26 (33)	0.393
AMI (%)	11 (30)	26 (33)	0.802
Unstable angina (%)	15 (42)	46 (58)	0.099
Stroke (%)	2 (6)	7 (9)	0.541
PVD (%)	4 (11)	7 (9)	0.704
BMI (Kg/m ²)	31.3 ± 4.4	29.7 ± 4.7	0.082
Waist circumference (cm)	106.2 ± 11.0	103.7 ± 10.7	0.249
Systolic arterial pressure (mmHg)	130 (110-150)	130 (120-140)	0.733
Diastolic arterial pressure (mmHg)	84 ± 16	87 ± 17	0.361
Heart rate (bpm)	66 ± 14	70 ± 13	0.857
Gensini score (au)	32 (25-45)	19 (0-35)	0.465
Gensini ≥ median (%)	31 (76)	27 (66)	0.332
FMD (%)	12.8 ± 7.7	14.1 ± 9.1	0.478
EIR (%)	12 (9-20)	15 (9-20)	0.666

Categorical variables expressed as N (%); numerical variables expressed as mean ± standard deviation or median and interquartile ranges. Categorical variables compared by the chi-square test or the Fisher's exact test; numerical variables compared by the Student's t-test or the Mann-Whitney test. AMI: acute myocardial infarction; PVD: peripheral vascular disease; BMI: body mass index; FMD: flow-mediated dilation; EIR: endothelium-independent relaxation; AU: arbitrary units.

Supplementary table 4 – Laboratory characteristics of participants by methylenetetrahydrofolate reductase (MTHFR) gene polymorphisms

Variable	CC	CT/TT	p-value
	n = 36	n = 79	
Total cholesterol (mg/dL)	197 ± 35	189 ± 42	0.476
HDL-c (mg/dL)	39 ± 7	38 ± 10	0.352
LDL-c (mg/dL)	124 ± 32	113 ± 37	0.694
Triglycerides (mg/dL)	158 (121-195)	173 (129-202)	0.365
Apolipoprotein A1 (mg/dL)	110 ± 17	106 ± 19	0.311
Apolipoprotein B (mg/dL)	117 ± 21	113 ± 30	0.402
ApoB / ApoA1	1.09 ± 0.22	1.11 ± 0.37	0.774
Lipoprotein (a) (mg/dL)	34 (18-68)	33 (15-75)	0.562
Creatinine (mg/dL)	1.0 (0.9-1.3)	1.0 (0.8-1.1)	0.408
Glycemia (mg/dL)	104 (97-127)	108 (96-138)	0.368
HbA1c (%)	5.7 (5.2-6.6)	6.0 (5.5-7.3)	0.031
Mean baseline insulin (μUI/L)	13 ± 8	15 ± 8	0.878
Hs-CRP (mg/L)	7.2 (4.7-14.5)	10.4 (5.6-23.1)	0.373
TBARS (nmol/mL plasma)	1.6 ± 0.6	1.7 ± 0.7	0.697
Adiponectin (ng/mL)	4990 ± 3165	6996 ± 5032	0.015
Albuminuria (mg/L)	2.40 (0.62-9.90)	3.37 (0.37-8.75)	0.919

Numerical variables expressed as mean ± standard deviation or median and interquartile range, compared by the Student's t-test or the Mann-Whitney test. Apo: apolipoprotein; HbA1c: glycated hemoglobin; HDL-c: high density lipoprotein; LDL-C: low density lipoprotein; hs-CRP: high-sensitivity C-reactive protein; TBARS: thiobarbituric acid reactive substances.

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Supplementary table 5 – Demographic and clinical characteristics of participants by endothelial nitric oxide synthase (ENOS) gene polymorphisms

Variable	GG	GT/TT	p-value
	n = 10	n = 106	
Men (%)	9 (90)	65 (61)	0.071
Age (years)	55 ± 6	56 ± 9	0.613
Hypertension (%)	10 (100)	94 (89)	0.261
Smoking (%)	5 (50)	30 (28)	0.153
Diabetes (%)	0 (0)	36 (34)	0.026
AMI (%)	7 (70)	48 (45)	0.135
Unstable angina (%)	3 (30)	58 (55)	0.135
Stroke (%)	0 (0)	9 (8)	0.337
PVD (%)	2 (20)	10 (9)	0.294
BMI (Kg/m ²)	28.7 ± 3.3	30.3 ± 4.8	0.297
Waist circumference (cm)	102.5 ± 7.7	104.5 ± 11.1	0.581
Systolic arterial pressure (mmHg)	128 ± 19	132 ± 25	0.595
Diastolic arterial pressure (mmHg)	86 ± 13	86 ± 17	0.965
Heart rate (bpm)	67 ± 11	71 ± 13	0.395
Gensini score (au)	23 (0-46)	21 (1-35)	0.939
Gensini ≥ median (%)	3 (50)	39 (51)	0.976
FMD (%)	11.0 ± 5.3	12.3 ± 8.8	0.301
EIR (%)	18.2 (15.2-24.0)	14.0 (8.5-20.0)	0.050

Categorical variables expressed as N (%); numerical variables expressed as mean ± standard deviation or median and interquartile ranges. Categorical variables compared by the chi-square test or the Fisher's exact test; numerical variables compared by the Student's t-test or the Mann-Whitney test. AMI: acute myocardial infarction; PVD: peripheral vascular disease; BMI: body mass index; FMD: flow-mediated dilation; EIR: endothelium-independent relaxation; AU: arbitrary units.

Supplementary table 6 – Laboratory characteristics of participants by endothelial nitric oxide synthase (ENOS) gene polymorphisms

Variable	GG	GT/TT	p-value
	n = 10	n = 106	
Total cholesterol (mg/dL)	194 ± 25	183 ± 41	0.865
HDL-c (mg/dL)	37 ± 6	41 ± 9	0.209
LDL-c (mg/dL)	118 ± 29	116 ± 37	0.915
Triglycerides (mg/dL)	173 (159-222)	159 (122-201)	0.258
Apolipoprotein A1 (mg/dL)	108 ± 14	107 ± 19	0.917
Apolipoprotein B (mg/dL)	125 ± 24	114 ± 27	0.224
ApoB / ApoA1	1.18 ± 0.31	1.09 ± 0.33	0.453
Lipoprotein (a) (mg/dL)	23 (8-61)	34 (16-75)	0.344
Creatinine (mg/dL)	1.0 (0.9-1.0)	1.0 (0.9-1.2)	0.670
Glycemia (mg/dL)	106 ± 12	127 ± 48	0.001
HbA1c (%)	5.9 ± 0.6	6.6 ± 1.9	0.028
Mean baseline insulin (μUI/L)	13 (9-17)	12 (9-19)	0.909
hs-CRP (mg/L)	7.3 (4.9-19.9)	10.2 (5.6-20.0)	0.699
TBARS (nmol/mL plasma)	1.5 (1.1-1.9)	1.6 (1.2-2.0)	0.811
Adiponectin (ng/mL)	2148 (1912-3435)	5010 (2688-10139)	0.011
Albuminuria (mg/L)	1.55 (0.81-4.92)	2.56 (0.40-9.90)	0.796

Numerical variables expressed as mean ± standard deviation or median and interquartile range, compared by the Student's t-test or the Mann-Whitney test. Apo: apolipoprotein; HbA1c: glycated hemoglobin; HDL-c: high density lipoprotein; LDL-C: low density lipoprotein; hs-CRP: high-sensitivity C-reactive protein; TBARS: thiobarbituric acid reactive substances.

Supplementary table 7 – Demographic and clinical characteristics of participants by angiotensin-converting enzyme (ACE) gene polymorphisms

Variable	II	ID/DD	p-value
	n = 17	n = 99	
Men (%)	10 (59)	64 (65)	0.644
Age (years)	56 ± 8	56 ± 9	0.912
Hypertension (%)	16 (94)	88 (89)	0.513
Smoking (%)	6 (35)	29 (29)	0.618
Diabetes (%)	8 (47)	28 (28)	0.122
AMI (%)	10 (59)	45 (45)	0.308
Unstable angina (%)	7 (41)	54 (55)	0.308
Stroke (%)	0 (0)	9 (9)	0.196
PVD (%)	3 (18)	9 (9)	0.285
BMI (Kg/m ²)	31.9 ± 5.8	30.0 ± 4.5	0.504
Waist circumference (cm)	106.2 ± 10.8	104.1 ± 10.9	0.460
Systolic arterial pressure (mmHg)	130 (115-145)	130 (110-150)	0.777
Diastolic arterial pressure (mmHg)	83 ± 16	87 ± 16	0.381
Heart rate (bpm)	65 ± 11	71 ± 13	0.042
Gensini score (au)	19 (0-34)	21 (1-38)	0.536
Gensini ≥ median (%)	5 (50)	37 (51)	0.968
FMD (%)	12.7 ± 7.8	13.9 ± 8.8	0.605
EIR (%)	10.6 (7.2-16.7)	15.1 (9.3-20.4)	0.110

Categorical variables expressed as N (%); numerical variables expressed as mean ± standard deviation or median and interquartile ranges. Categorical variables compared by the chi-square test or the Fisher's exact test; numerical variables compared by the Student's t-test or the Mann-Whitney test. AMI: acute myocardial infarction; PVD: peripheral vascular disease; BMI: body mass index; FMD: flow-mediated dilation; EIR: endothelium-independent relaxation; AU: arbitrary units.

Supplementary table 8 – Laboratory characteristics of participants by angiotensin-converting enzyme (ACE) gene polymorphisms

Variable	II	ID/DD	p-value
	n = 17	n = 99	
Total cholesterol (mg/dL)	179 ± 38	194 ± 40	0.150
HDL-c (mg/dL)	39 (32-43)	39 (34-46)	0.464
LDL-c (mg/dL)	107 ± 30	118 ± 37	0.267
Triglycerides (mg/dL)	152 (113-178)	167 (128-202)	0.207
Apolipoprotein A1 (mg/dL)	105 ± 22	108 ± 19	0.599
Apolipoprotein B (mg/dL)	107 ± 25	116 ± 27	0.246
ApoB / ApoA1	1.06 ± 0.32	1.11 ± 0.33	0.612
Lipoprotein (a) (mg/dL)	29 (20-54)	33 (12-76)	0.310
Creatinine (mg/dL)	1.0 (0.9-1.1)	1.0 (0.8-1.2)	0.732
Glycemia (mg/dL)	112 (99-187)	106 (95-138)	0.265
HbA1c (%)	6.1 (5.7-7.1)	5.8 (5.4-6.9)	0.211
Mean baseline insulin (μUI/L)	10.5 (6.7-15.6)	13.0 (9.0-18.8)	0.236
Hs-CRP (mg/L)	11.7 (5.6-22.2)	8.7 (5.4-18.1)	0.315
TBARS (nmol/mL plasma)	1.8 ± 0.6	1.5 ± 0.7	0.270
Adiponectin (ng/mL)	6478 ± 4763	6305 ± 4610	0.891
Albuminuria (mg/L)	1.20 (0.50-3.33)	3.33 (0.36-10.00)	0.455

Numerical variables expressed as mean ± standard deviation or median and interquartile range, compared by the Student's t-test or the Mann-Whitney test. Apo: apolipoprotein; HbA1c: glycated hemoglobin; HDL-c, high density lipoprotein; LDL-C: low density lipoprotein; hs-CRP: high-sensitivity C-reactive protein; TBARS: thiobarbituric acid reactive substances.

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Supplementary table 9 – Demographic and clinical characteristics of participants by angiotensin II type 1 receptor (AT1R) gene polymorphisms

Variable	AA	AC/CC	p-value
	n = 70	n = 46	
Men (%)	42 (60)	32 (70)	0.294
Age (years)	57 ± 9	56 ± 8	0.690
Hypertension (%)	64 (91)	40 (87)	0.439
Smoking (%)	21 (30)	14 (30)	0.960
Diabetes (%)	20 (29)	16 (35)	0.479
AMI (%)	34 (49)	21 (46)	0.758
Unstable angina (%)	36 (51)	25 (54)	0.758
Stroke (%)	6 (9)	3 (7)	0.686
PVD (%)	8 (11)	4 (9)	0.636
BMI (Kg/m ²)	30.2 ± 4.9	30.1 ± 4.3	0.883
Waist circumference (cm)	104.8 ± 11.0	103.8 ± 10.7	0.632
Systolic arterial pressure (mmHg)	132 ± 21	132 ± 29	0.931
Diastolic arterial pressure (mmHg)	86 ± 17	86 ± 16	0.962
Heart rate (bpm)	71 ± 13	69 ± 14	0.445
Gensini score (au)	21 (0-35)	21 (1-40)	0.955
Gensini ≥ median (%)	24 (50)	18 (51)	0.898
FMD (%)	13.8 ± 8.1	13.6 ± 9.4	0.873
EIR (%)	15.6 (9.2-20.5)	13.2 (8.5-18.9)	0.134

Categorical variables expressed as N (%); numerical variables expressed as mean ± standard deviation or median and interquartile ranges. Categorical variables compared by the chi-square test or the Fisher's exact test; numerical variables compared by the Student's t-test or the Mann-Whitney test. AMI: acute myocardial infarction; PVD: peripheral vascular disease; BMI: body mass index; FMD: flow-mediated dilation; EIR: endothelium-independent relaxation; AU: arbitrary units.

Supplementary table 10 – Laboratory characteristics of participants by angiotensin II type 1 receptor (AT1R) gene polymorphisms

Variable	AA	AC/CC	p-value
	n = 70	n = 46	
Total cholesterol (mg/dL)	192 ± 40	188 ± 39	0.683
HDL-c (mg/dL)	41 ± 9	40 ± 9	0.667
LDL-c (mg/dL)	118 ± 35	115 ± 37	0.665
Triglycerides (mg/dL)	158 (119-199)	167 (128-201)	0.572
Apolipoprotein A1 (mg/dL)	109 ± 20	106 ± 17	0.480
Apolipoprotein B (mg/dL)	115 ± 27	115 ± 27	0.972
ApoB / ApoA1	1.09 ± 0.34	1.11 ± 0.31	0.800
Lipoprotein (a) (mg/dL)	32 (15-57)	34 (17-90)	0.232
Creatinine (mg/dL)	1.0 (0.9-1.1)	1.0 (0.8-1.3)	0.403
Glycemia (mg/dL)	107 (97-153)	105 (95-127)	0.262
HbA1c (%)	6.6 ± 1.8	6.5 ± 1.8	0.738
Mean baseline insulin (μUI/L)	13.0 (9.1-18.7)	11.3 (7.7-18.1)	0.316
Hs-CRP (mg/L)	9.0 (4.9-21.0)	10.5 (5.6-19.8)	0.780
TBARS (nmol/mL plasma)	1.6 ± 0.7	1.8 ± 0.7	0.154
Adiponectin (ng/mL)	5968 ± 4079	6893 ± 5333	0.313
Albuminuria (mg/L)	1.82 (0.42-10.00)	3.33 (0.44-6.88)	0.990

Numerical variables expressed as mean ± standard deviation or median and interquartile range, compared by the Student's t-test or the Mann-Whitney test. Apo: apolipoprotein; HbA1c: glycated hemoglobin; HDL-c: high density lipoprotein; LDL-C: low density lipoprotein; hs-CRP: high-sensitivity C-reactive protein; TBARS: thiobarbituric acid reactive substances.

Supplementary table 11 – Demographic and clinical characteristics of participants by apolipoprotein C3 (APOC3) gene polymorphisms

Variable	S1S1/S1S2	S2S2	p-value
	n = 35	n = 81	
Men (%)	20 (57)	54 (67)	0.327
Age (years)	56 ± 8	56 ± 9	0.965
Hypertension (%)	31 (89)	73 (90)	0.801
Smoking (%)	10 (29)	25 (31)	0.805
Diabetes (%)	8 (23)	28 (35)	0.211
AMI (%)	17 (49)	38 (47)	0.870
Unstable angina (%)	18 (51)	38 (47)	0.870
Stroke (%)	4 (11)	5 (6)	0.331
PVD (%)	5 (14)	7 (9)	0.360
BMI (Kg/m ²)	29.5 ± 4.0	30.4 ± 4.9	0.331
Waist circumference (cm)	102.3 ± 10.0	105.2 ± 11.1	0.174
Systolic arterial pressure (mmHg)	130 (120-150)	130 (110-140)	0.249
Diastolic arterial pressure (mmHg)	90 ± 15	84 ± 17	0.067
Heart rate (bpm)	70 ± 14	71 ± 13	0.684
Gensini score (au)	20 (1-40)	21 (0-35)	0.857
Gensini ≥ median (%)	11 (48)	31 (52)	0.754
FMD (%)	11.5 ± 5.2	14.7 ± 9.6	0.026
EIR (%)	15.1 (8.4-20.4)	14.8 (9.1-20.0)	0.831

Categorical variables expressed as N (%); numerical variables expressed as mean ± standard deviation or median and interquartile ranges. Categorical variables compared by the chi-square test or the Fisher's exact test; numerical variables compared by the Student's t-test or the Mann-Whitney test. AMI: acute myocardial infarction; PVD: peripheral vascular disease; BMI: body mass index; FMD: flow-mediated dilation; EIR: endothelium-independent relaxation; AU: arbitrary units.

Supplementary table 12 – Laboratory characteristics of participants by apolipoprotein C3 (APOC3) gene polymorphisms

Variable	S1S1/S1S2	S2S2	p-value
	n = 35	n = 81	
Total cholesterol (mg/dL)	189 ± 35	193 ± 42	0.584
HDL-c (mg/dL)	41 ± 9	40 ± 9	0.642
LDL-c (mg/dL)	114 ± 30	117 ± 38	0.651
Triglycerides (mg/dL)	158 (119-190)	168 (129-202)	0.350
Apolipoprotein A1 (mg/dL)	111 ± 18	106 ± 19	0.149
Apolipoprotein B (mg/dL)	112 ± 23	116 ± 29	0.462
ApoB / ApoA1	1.03 ± 0.25	1.14 ± 0.35	0.062
Lipoprotein (a) (mg/dL)	26 (10-67)	34 (18-75)	0.518
Creatinine (mg/dL)	0.9 (0.8-1.1)	1.0 (0.9-1.2)	0.218
Glycemia (mg/dL)	106 (97-138)	107 (96-138)	0.841
HbA1c (%)	5.8 (5.3-7.3)	5.9 (5.4-6.9)	0.704
Mean baseline insulin (μUI/L)	13.3 (8.7-18.5)	12.2 (8.7-18.8)	0.815
Hs-CRP (mg/L)	8.1 (6.2-12.2)	10.5 (4.8-24.1)	0.486
TBARS (nmol/mL plasma)	1.6 ± 0.6	1.6 ± 0.7	0.295
Adiponectin (ng/mL)	5269 ± 3615	6784 ± 4927	0.080
Albuminuria (mg/L)	3.00 (0.96-5.50)	2.40 (0.22-13.77)	0.981

Numerical variables expressed as mean ± standard deviation or median and interquartile range, compared by the Student's t-test or the Mann-Whitney test. Apo: apolipoprotein; HbA1c: glycated hemoglobin; HDL-c: high density lipoprotein; LDL-C: low density lipoprotein; hs-CRP: high-sensitivity C-reactive protein; TBARS: thiobarbituric acid reactive substances.

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Supplementary table 13 – Demographic and clinical characteristics of participants by lipoprotein lipase (LPL) gene polymorphisms

Variable	DD	DN/NN	p-value
	n = 17	n = 99	
Men (%)	13 (77)	61 (62)	0.239
Age (years)	5 ± 9	56 ± 9	0.244
Hypertension (%)	14 (82)	90 (91)	0.285
Smoking (%)	7 (41)	28 (28)	0.285
Diabetes (%)	5 (29)	31 (31)	0.876
AMI (%)	9 (53)	46 (47)	0.621
Unstable angina (%)	8 (47)	53 (53)	0.621
Stroke (%)	1 (6)	8 (8)	0.754
PVD (%)	0 (0)	12 (12)	0.130
BMI (Kg/m ²)	29.0 ± 4.7	30.4 ± 4.7	0.275
Waist circumference (cm)	102.6 ± 13.5	104.1 ± 10.9	0.473
Systolic arterial pressure (mmHg)	129 ± 20	132 ± 25	0.646
Diastolic arterial pressure (mmHg)	79 ± 15	87 ± 16	0.043
Heart rate (bpm)	68 ± 12	68 ± 13	0.381
Gensini score (au)	30 (13-51)	18 (0-35)	0.535
Gensini ≥ median (%)	10 (77)	32 (46)	0.039
FMD (%)	16.8 ± 11.9	13.2 ± 7.9	0.242
EIR (%)	16.8 (7.7-24.0)	14.2 (9.0-19.9)	0.421

Categorical variables expressed as N (%); numerical variables expressed as mean ± standard deviation or median and interquartile ranges. Categorical variables compared by the chi-square test or the Fisher's exact test; numerical variables compared by the Student's t-test or the Mann-Whitney test. AMI: acute myocardial infarction; PVD: peripheral vascular disease; BMI: body mass index; FMD: flow-mediated dilation; EIR: endothelium-independent relaxation; AU: arbitrary units.

Supplementary table 14 – Laboratory characteristics of participants by lipoprotein lipase (LPL) gene polymorphisms

Variable	DD	DN/NN	p-value
	n = 17	n = 99	
Total cholesterol (mg/dL)	198 ± 35	191 ± 41	0.489
HDL-c (mg/dL)	38 (32-43)	39 (34-46)	0.355
LDL-c (mg/dL)	118 ± 29	116 ± 37	0.864
Triglycerides (mg/dL)	194 (139-246)	158 (121-195)	0.073
Apolipoprotein A1 (mg/dL)	109 ± 19	107 ± 19	0.770
Apolipoprotein B (mg/dL)	122 ± 22	113 ± 28	0.222
ApoB / ApoA1	1.11 (0.97-1.30)	1.03 (0.86-1.33)	0.447
Lipoprotein (a) (mg/dL)	33 (16-49)	33 (16-76)	0.455
Creatinine (mg/dL)	1.0 (0.9-1.3)	1.0 (0.8-1.1)	0.083
Glycemia (mg/dL)	106 (95-150)	107 (97-138)	0.738
HbA1c (%)	5.7 (5.4-6.7)	5.9 (5.4-7.1)	0.386
Mean baseline insulin (μUI/L)	10.7 (6.9-15.6)	13.3 (8.9-18.9)	0.207
Hs-CRP (mg/L)	10.2 (4.9-14.5)	9.9 (5.4-20.6)	0.617
TBARS (nmol/mL plasma)	1.8 ± 0.6	1.6 ± 0.7	0.286
Adiponectin (ng/mL)	6241 ± 5681	6346 ± 4449	0.935
Albuminuria (mg/L)	0.84 (0.24-5.85)	2.78 (0.49-10.00)	0.273

Numerical variables expressed as mean ± standard deviation or median and interquartile range, compared by the Student's t-test or the Mann-Whitney test. Apo: apolipoprotein; HbA1c: glycated hemoglobin; HDL-c: high density lipoprotein; LDL-C: low density lipoprotein; hs-CRP: high-sensitivity C-reactive protein; TBARS: thiobarbituric acid reactive substances.

Supplementary table 15 – Distribution of Gensini score in patients with metabolic syndrome and recent acute coronary syndrome

Gensini score	
N	83
Mean	24
Median	21
Standard deviation	24.0
Minimum	0
Maximum	96
Asymmetry	1.034
Kurtosis	0.802
P25	0.5
P75	35.5



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