

Supplementary Material

Table 1S. Mean and standard deviation (SD) of age and of anthropometric and metabolic parameters of the healthy population studied separated by gender.

Males:

Variable	Mean	SD	Variable	Mean	SD
Age (years)	56.70	11.57	TC (mg/dL)	194.83	28.99
BMI (kg/m ²)	26.37	4.22	TG (mg/dL)	94.19	43.72
Waist C. (cm)	94.00	10.68	HDL-C (mg/dL)	47.15	11.67
Hip C. (cm)	97.46	9.57	LDL-C (mg/dL)	128.85	27.06
Waist/Hip Ratio	0.97	0.07	ApoB (mg/dL)	92.30	21.92
SBP (mmHg)	135.04	15.25	ApoA1 (mg/dL)	155.41	34.20
DBP (mmHg)	81.07	8.01	Lp(a) (mg/dL)	8.92*	15.32*
PP (mmHg)	53.96	11.23	FPG (mg/dL)	101.61	11.14
MAP (mmHg)	99.06	9.61	SUA (mg/dL)	5.88	1.27
HR (bpm)	58.42	8.87	Creatinine (mg/dL)	1.04	0.12

Females:

Variable	Mean	SD	Variable	Mean	SD
Age (years)	54.60	11.38	TC (mg/dL)	210.73	30.30
BMI (kg/m ²)	25.10	4.95	TG (mg/dL)	85.86	38.06
Waist C. (cm)	84.81	12.62	HDL-C (mg/dL)	53.34	10.37
Hip C. (cm)	95.08	12.14	LDL-C (mg/dL)	140.22	26.56
Waist/Hip Ratio	0.89	0.08	ApoB (mg/dL)	98.06	23.87
SBP (mmHg)	131.78	18.00	ApoA1 (mg/dL)	168.97	31.72
DBP (mmHg)	78.26	8.30	Lp(a) (mg/dL)	7.99*	14.09*
PP (mmHg)	53.53	15.46	FPG (mg/dL)	95.02	9.04
MAP (mmHg)	96.10	10.04	SUA (mg/dL)	4.23	0.92
HR (bpm)	66.33	10.41	Creatinine (mg/dL)	0.83	0.12

BMI, Body Mass Index; Waist C, Waist circumference; Hip C, Hip circumference; SBP, Systolic Blood Pressure; DBP, Diastolic Blood Pressure; PP, Pulse Pressure; MAP, Mean Arterial Pressure; HR, Heart Rate; TC, Total Cholesterol; TG, Triglycerides; HDL-C, High Density Lipoprotein Cholesterol; LDL-C, Low Density Lipoprotein Cholesterol; ApoB, Apolipoprotein B; ApoAI,

Apolipoprotein AI; Lp(a), Lipoprotein(a); FPG, Fasting Plasma Glucose; SUA, Serum Uric Acid.

*Lp(a) levels are expressed as median (interquartile range) because of its asymmetric distribution.

Table 2S – Linear regression with nested design. Coefficients for the association between carotid-femoral Pulse Wave Velocity (cfPWV) and other parameters in the healthy population studied separated by gender.

Males:

	Model 1			Model 2			Model 3			Model 4		
	Coeff.	SE	p-val	Coeff.	SE	p-val	Coeff.	SE	p-val	Coeff.	SE	p-val
<i>Age</i>	0.067	0.015	0.000	0.061	0.015	0.000	0.061	0.016	0.001	0.059	0.015	0.000
<i>Risk Factors</i>												
BMI				0.052	0.041	0.206	0.053	0.045	0.236	0.044	0.042	0.309
MAP				0.057	0.016	0.001	0.057	0.016	0.001	0.057	0.017	0.002
FPG				-0.008	0.016	0.628	-0.008	0.016	0.631	-0.006	0.016	0.683
LDL-C				-0.009	0.006	0.110	-0.009	0.006	0.112	-0.009	0.006	0.137
<i>Efflux parameter</i>												
HDL-C							0.002	0.016	0.893	0.001	0.017	0.971
ABCA1-CEC										-0.257	0.179	0.158
Constant	3.877	0.798	0.000	-0.884	2.629	0.738	-1.013	2.927	0.731	0.334	3.015	0.912
Observations	54			54			54			54		
R ² _{adj}	0.272			0.381			0.368			0.444		
Log-likelihood	-87.0			-80.4			-80.4			-78.8		
LR test (p-value)	<0.001			0.011			0.878			0.075		

Females:

	Model 1			Model 2			Model 3			Model 4		
	Coeff.	SE	p-val	Coeff.	SE	p-val	Coeff.	SE	p-val	Coeff.	SE	p-val
<i>Age</i>	0.055	0.010	0.000	0.034	0.008	0.000	0.034	0.009	0.000	0.033	0.009	0.000
<i>Risk Factors</i>												
BMI				0.059	0.017	0.001	0.060	0.018	0.001	0.059	0.018	0.002
MAP				0.060	0.011	0.000	0.060	0.011	0.000	0.060	0.011	0.000
G				-0.015	0.014	0.284	-0.014	0.015	0.288	-0.014	0.013	0.295
LDL-C				-0.002	0.004	0.643	-0.002	0.004	0.621	-0.001	0.004	0.840
<i>Efflux parameter</i>												
HDL-C							0.003	0.009	0.759	0.001	0.009	0.950
ABCA1-CEC										-0.159	0.096	0.099
Constant	4.315	0.507	0.000	-0.120	1.440	0.934	-0.278	1.495	0.853	0.288	1.514	0.849
Observations	113			113			113			113		
R ² _{adj}	0.221			0.444			0.440			0.453		
Log-likelihood	-177.3			-155.5			-155.4			-154.1		
LR test (p-value)	<0.001			<0.001			0.769			0.104		

BMI, Body Mass Index; MAP, Mean Arterial Pressure; FPG, Fasting Plasma Glucose; LDL-C, Low Density Lipoprotein Cholesterol; HDL-C, High Density Lipoprotein Cholesterol; ABCA1, ABCA1-dependent CEC.

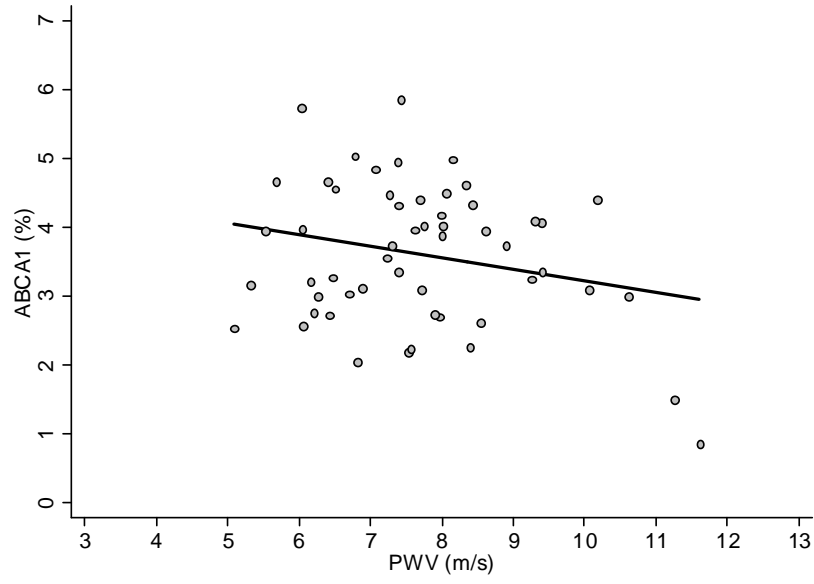
Figure Legends

Figure 1S: Correlation between PWV and ABCA1-dependent CEC. PWV = carotid-femoral Pulse Wave Velocity, ABCA1 = ABCA1-dependent CEC (%) after a 4h incubation with 2% individual serum.

Figure 2S: Correlation between PWV and serum HDL-C. PWV = carotid-femoral Pulse Wave Velocity, HDL (mg/dL) = serum HDL-C.

Figure 1S

Males



Females

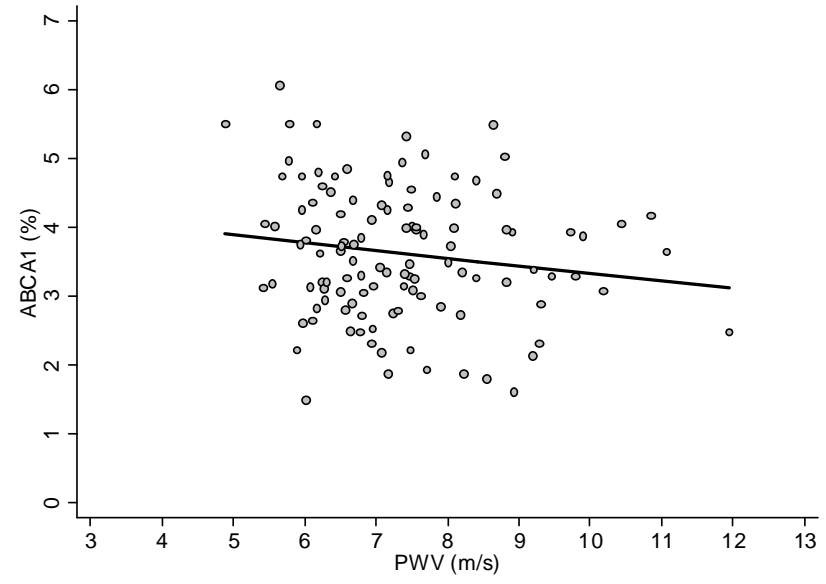
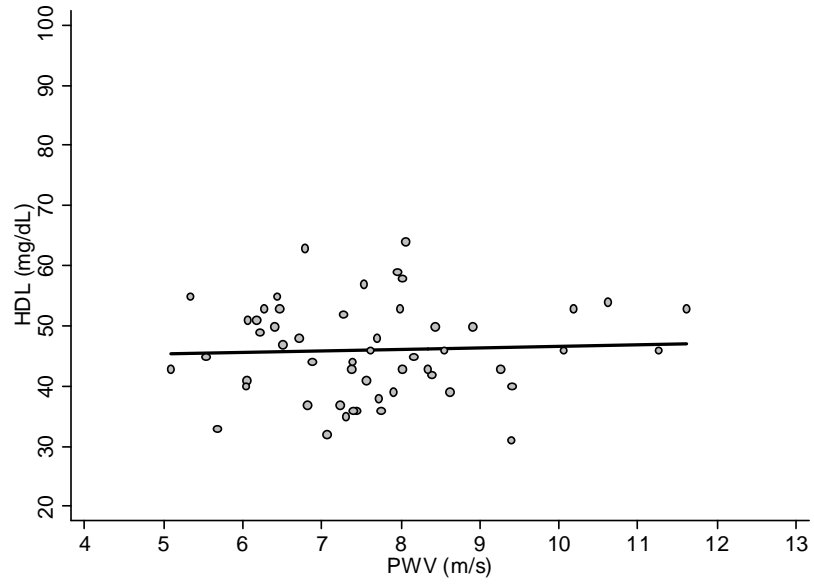


Figure 2S

Males



Females

