Table S1. Findings associated with the visceral adiposity index

Variables	All population		Male patients		Female patients	
	r	p	r	p	r	p
Age	0.295	<0.001	0.264	<0.001	0.284	<0.001
CACS	0.576	<0.001	0.562	<0.001	0.543	<0.001
Hemoglobin	-0.097	0.31	-0.057	0.40	-0.039	0.52
Neutrophil count	0.293	<0.001	0.298	<0.001	0.241	<0.001
Platelet count	-0.030	0.41	0.066	0.14	0.040	0.51
Lymphocyte count	0.198	<0.001	0.194	<0.001	0.175	0.04
Monocyte count	0.527	<0.001	0.414	<0.001	0.425	<0.001
LDL- cholesterol	0.219	<0.001	0.253	<0.001	-0.203	<0.001
hs-CRP	0.206	<0.001	0.194	0.01	0.277	<0.001

Abbreviations: CACS, coronary artery calcium score; hs-CRP, high sensitivity C – reactive protein; LDL, low density lipoprotein

Table S2. Independent predictors of the presence of atherosclerosis

Variables	Univariable Regression				Multivariable Regression			
	OR	95% CI		p	OR	95% CI		p
		Lower	Upper			Lower	Upper	
Age	1.03	1.01	1.05	< 0.001	1.04	1.01	1.08	0.001
Female gender	3.97	2.90	5.44	< 0.001	-	-	-	-
BMI	1.04	1.01	1.08	0.01	-	-	-	-
WC	1.07	1.05	1.09	< 0.001	-	-	-	-
Smoking	1.61	1.21	2.14	0.001	1.96	1.20	3.23	0.006
Diabetes mellitus	1.69	1.23	2.32	0.001	-	-	-	-
Hypertension	1.63	1.23	2.16	0.001	-	-	-	-
Hemoglobin	1.10	0.98	1.21	0.06	-	-	-	-
Neutrophil count	1.71	1.51	1.93	0.001	-	-	-	-
Platelet count	1.01	0.98	1.03	0.80	-	-	-	-
Lymphocyte count	1.43	1.17	1.76	0.001	-	-	-	-
Monocyte count	1.09	1.07	1.11	< 0.001	1.08	1.06	1.10	< 0.001
HDL-cholesterol	0.02	0.01	0.05	< 0.001	-	-	-	-
LDL-cholesterol	1.20	1.04	1.41	0.01	-	-	-	-
Triglycerides	1.36	1.18	1.56	< 0.001	-	-	-	-
hs-CRP	1.54	1.25	1.86	< 0.001	1.58	1.27	1.90	< 0.001
VAI	26.56	16.09	43.84	< 0.001	20.72	12.03	35.68	< 0.001
					Nagelkerke R^2 = 0.639, p < 0.001			

Abbreviations: BMI, body mass index; CACS, coronary artery calcium score; CAP, coronary atherosclerotic plaque; CI, confidence interval; HDL, high density lipoprotein, hs-CRP, high sensitivity C – reactive protein; LDL, low density lipoprotein; OR, odds ratio; VAI, visceral adiposity index; WC, waist circumference.

Table S3. Independent predictors of the presence of only fatty plaque compared to non-plaque

Variables	Univariable Regression				Multivariable Regression			
	OR	95% CI		p	OR	95% CI		p
		Lower	Upper			Lower	Upper	
Age	1.01	0.98	1.05	0.61	-	-	-	-
Female gender	2.23	1.42	3.50	< 0.001	-	-	-	-
BMI	1.05	1.01	1.10	0.03	-	-	-	-
WC	1.09	1.06	1.12	< 0.001	-	-	-	-
Smoke	1.54	1.01	2.34	0.04	-	-	-	-
Diabetes mellitus	1.19	0.73	1.93	0.48	-	-	-	-
Hypertension	1.35	0.89	2.05	0.16	-	-	-	-
Hemoglobin	1.05	0.90	1.22	0.56	-	-	-	-
Neutrophil count	1.54	1.29	1.84	< 0.001	-	-	-	-
Platelet count	1.00	0.98	1.02	0.87	-	-	-	-
Lymphocyte count	1.65	1.22	2.22	0.001	-	-	-	-
Monocyte count	1.07	1.05	1.09	< 0.001	1.06	1.04	1.08	< 0.001
HDL-cholesterol	0.09	0.04	0.23	< 0.001	-	-	-	-
LDL-cholesterol	1.20	1.02	1.49	0.04	-	-	-	-
Triglycerides	1.69	1.14	2.50	0.010	-	-	-	-
hs-CRP	2.72	1.40	5.29	0.003	2.53	1.08	5.92	0.03
VAI	7.88	4.60	13.51	< 0.001	6.25	3.39	11.53	< 0.001
					Nagelkerke R^2 = 0.496, p < 0.001			

Abbreviations: BMI, body mass index; CACS, coronary artery calcium score; CAP, coronary atherosclerotic plaque; CI, confidence interval; HDL, high density lipoprotein, hs-CRP, high sensitivity C – reactive protein; LDL, low density lipoprotein; OR, odds ratio; VAI, visceral adiposity index; WC, waist circumference.

Table S4. Independent predictors of the presence of only calcified plaque compared to only fatty plaque

Variables	Univariable Regression				Multivariable Regression			
	OR	95% CI		p	OR	95% CI		p
		Lower	Upper			Lower	Upper	
Age	1.08	1.04	1.12	< 0.001	1.09	1.04	1.14	< 0.001
Female gender	1.69	1.02	2.81	0.04	-	-	-	-
BMI	0.99	0.97	1.02	0.98	-	-	-	-
WC	0.95	0.91	1.01	0.08	-	-	-	-
Smoke	1.03	0.63	1.70	0.90	-	-	-	-
Diabetes mellitus	1.78	1.03	3.07	0.038	1.98	1.01	3.95	< 0.001
Hypertension	0.92	0.56	1.51	0.73	-	-	-	-
Hemoglobin	1.04	0.88	1.22	0.66	-	-	-	-
Neutrophil count	1.21	1.01	1.46	0.04	-	-	-	-
Platelet count	1.00	1.00	1.00	0.92	-	-	-	-
Lymphocyte count	0.76	0.54	0.98	0.04	-	-	-	-
Monocyte count	1.02	1.01	1.04	0.002	1.03	1.01	1.05	0.006
HDL-cholesterol	0.36	0.12	1.03	0.10	-	-	-	-
LDL-cholesterol	1.03	0.79	1.33	0.83	-	-	-	-
Triglyceride	2.40	1.58	3.64	0.01	-	-	-	-
hs-CRP	1.40	1.08	1.94	0.006	1.36	1.06	1.78	0.01
VAI	3.16	2.14	4.66	< 0.001	2.98	1.97	4.52	< 0.001
					Nagelkerke R^2 = 0.453, p < 0.001			

Abbreviations: BMI, body mass index; CACS, coronary artery calcium score; CAP, coronary atherosclerotic plaque; CI, confidence interval; HDL, high density lipoprotein, hs-CRP, high sensitivity C – reactive protein; LDL, low density lipoprotein; OR, odds ratio; VAI, visceral adiposity index; WC, waist circumference.

Supplement S5. Independent predictors of the presence of mixed plaque compared to only calcified plaque

Variables	Univariable Regression				Multivariable Regression			
	OR	95% CI		p	OR	95% CI		p
		Lower	Upper			Lower	Upper	
Age	1.02	0.99	1.05	0.26	-	-	-	-
Female gender	1.78	1.10	2.87	0.02	-	-	-	-
BMI	1.12	1.05	1.20	0.01	-	-	-	-
WC	1.01	0.98	1.05	0.38	-	-	-	-
Smoke	1.06	0.66	1.70	0.80	-	-	-	-
Diabetes mellitus	0.83	0.51	1.36	0.46	-	-	-	-
Hypertension	2.00	1.24	3.23	0.004	1.81	1.05	3.15	0.03
CAC score	1.08	1.04	1.12	0.006	1.04	1.02	1.10	0.02
Hemoglobin	1.06	0.91	1.24	0.44	-	-	-	-
Neutrophil count	0.96	0.82	1.14	0.66	-	-	-	-
Platelet count	1.00	1.00	1.00	0.88	-	-	-	-
Lymphocyte count	1.19	0.85	1.65	0.30	-	-	-	-
Monocyte count	1.00	0.99	1.02	0.60	-	-	-	-
HDL-cholesterol	0.34	0.10	0.94	0.03	-	-	-	-
LDL-cholesterol	1.06	1.02	1.12	0.04	-	-	-	-
Triglyceride	1.76	1.23	2.52	0.002	-	-	-	-
hs-CRP	1.46	1.04	2.26	0.004	1.40	1.02	2.30	0.01
VAI	2.05	1.55	2.71	< 0.001	2.01	1.50	2.69	< 0.001
					Nagelkerke R^2 = 0.418, p < 0.001			

Abbreviations: BMI, body mass index; CACS, coronary artery calcium score; CAP, coronary atherosclerotic plaque; CI, confidence interval; HDL, high density lipoprotein, hs-CRP, high sensitivity C – reactive protein; LDL, low density lipoprotein; OR, odds ratio; VAI, visceral adiposity index; WC, waist circumference.