Supplementary Information

Table S1. Genotyping used in *CHI3L1* polymorphisms.

Gene	SNP Number	Position	Location	Minor Allele	MAF	HWE	Genotyping
CHI3L1	rs10399931	203156080	nearGene-5(-329)	T	0.366	0.992	TaqMan SNP Genotyping Assays
	rs10399805	203155998	nearGene-5(-247)	A	0.271	0.959	TaqMan SNP Genotyping Assays
	rs4950928	203155882	UTR-5(-131)	G	0.166	0.705	TaqMan SNP Genotyping Assays

MAF: Minor allele frequency; HWE: Hardy-Weinberg equilibrium.

Table S2. Linkage disequilibrium between *CHI3L1* genetic polymorphisms.

CHI3L1 Genotypes	Health Examination Subjects			PAD Subjects		
	rs10399931	rs10399805	rs4950928	rs10399931	rs10399805	rs4950928
rs10399931	–	0.9731	0.8808	–	0.9999	0.9999
rs10399805	–	–	0.9986	–	–	0.9986
rs4950928	–	–	–	–	–	–

The values represent D'; PAD: peripheral artery disease.

Table S3. Association of rs4950928 genotypes and measurable risk factors in health examination subjects.

Genotype Alleles		CC	CG	GG	*p* Value	Adjusted *p*
Subjects size		**424**	**157**	**21**	–	–
Anthropology	Age	46.06 ± 10.12	46.68 ± 9.77	46.75 ± 8.85	–	–
	Body mass index	24.36 ± 3.39	24.22 ± 3.77	24.82 ± 3.04	–	–
	Waist circumference	85.31 ± 9.32	85.34 ± 10.34	82.90 ± 9.53	0.018	0.54
Blood pressure	Systolic BP	112.78 ± 16.58	113.63 ± 14.74	116.12 ± 17.40	0.438	NS
	Diastolic BP	75.12 ± 10.06	74.43 ± 9.34	76.82 ± 12.27	0.598	NS
Glucose metabolism	Fasting plasma glucose	96.19 ± 23.95	97.05 ± 20.09	93.75 ± 11.10	0.673	NS
	Fasting serum insulin	9.30 ± 5.00	9.09 ± 4.55	9.75 ± 5.36	0.829	NS
	HOMA-IR index	2.23 ± 1.43	2.22 ± 1.32	2.33 ± 1.51	0.870	NS
	QUICKI	0.35 ± 0.24	0.35 ± 0.26	0.35 ± 0.25	0.816	NS
Lipid profiles	Total cholesterol	198.35 ± 36.58	198.88 ± 35.68	197.29 ± 37.74	0.889	NS
	LDL-cholesterol	115.72 ± 32.87	115.96 ± 32.63	116.52 ± 33.48	0.999	NS
	HDL-cholesterol	55.44 ± 14.46	54.69 ± 14.42	53.86 ± 12.49	0.478	NS
	Triglyceride	140.23 ± 109.52	149.96 ± 147.13	134.71 ± 62.99	0.578	NS
Renal function	Microalbumin/creatinine	8.98 ± 14.56	7.88 ± 16.02	17.55 ± 27.34	0.030	0.90
	eGFR	84.37 ± 20.41	82.73 ± 20.29	75.46 ± 21.28	0.022	NS
Inflammation marker	CRP	1.11 ± 1.38	1.01 ± 1.30	1.25 ± 1.92	0.318	NS
	Fibrinogen	265.69 ± 68.14	264.88 ± 75.49	259.64 ± 72.03	0.578	NS
	sE-selectin	53.12 ± 25.80	53.81 ± 23.66	52.96 ± 17.81	0.544	NS
	sP-selectin	137.50 ± 116.31	150.73 ± 122.73	133.87 ± 99.90	0.808	NS
	sVCAM1	489.23 ± 137.16	491.53 ± 118.27	543.79 ± 139.61	0.047	NS
	sICAM1	241.40 ± 113.59	235.62 ± 89.57	288.64 ± 187.26	0.065	NS
	sTNFRII	3260.40 ± 951.01	3277.32 ± 937.93	3267.18 ± 1014.85	0.164	NS

Table S3. *Cont.*

Genotype Alleles		CC	CG	GG	*p* Value	Adjusted *p*
	MCP1	74.76 ± 63.40	69.29 ± 45.87	67.73 ± 37.86	0.919	NS
	MMP1	454.37 ± 1037.75	475.12 ± 1296.87	800.32 ± 2111.07	0.417	NS
	MMP2	124.12 ± 37.33	130.80 ± 50.48	142.51 ± 28.54	0.046	NS
	MMP9	144.75 ± 117.2	139.37 ± 103.17	157.54 ± 76.13	0.561	NS
	SAA	5.56 ± 9.95	6.97 ± 24.31	10.5 ± 22.82	0.152	NS
Adipokines	Leptin	18.96 ± 15.99	20.28 ± 24.30	29.62 ± 33.79	0.010	0.30
	Resistin	19.01 ± 15.58	17.70 ± 11.09	17.82 ± 12.25	0.375	NS
	Lipocalin2	81.88 ± 53.86	71.25 ± 34.02	103.67 ± 91.80	0.223	NS
	Adiponectin	7.10 ± 5.28	7.30 ± 4.90	6.76 ± 3.98	0.816	NS
Oxidative stress	Homocysteine	10.31 ± 5.03	10.40 ± 6.32	10.94 ± 4.17	0.462	NS
	8-OHdG/creatinine	37.60 ± 23.68	38.91 ± 25.65	43.28 ± 33.03	0.350	NS

8-OHdG: 8-hydroxy-2-deoxyguanosine. BP levels and lipid variables were analyzed with the exclusion of subjects using antihypertensive drugs and/or lipid-lowering agents. Fasting plasma glucose and insulin and HOMA-IR index were analyzed with the exclusion of anti-diabetic medications. CRP level was calculated with the exclusion of subjects with CRP levels above 10 mg/L. Microalbuminuria/creatinine was calculated with the exclusion of subjects with Microalbuminuria/creatinine >300. *p* value, adjusted for age, sex, body mass index and current smoker. Adjusted *p* values were computed by utilizing the Bonferroni method.