

Supplementary Table S1. Clinical baseline characteristics of the selected population for NGS.

	Selected CAD (n=52)	Selected Patent (n=52)	<i>p</i> -value
	Mean \pm SD	Mean \pm SD	
Age (yrs)	65.04 \pm 10.68	60.65 \pm 11.26	0.04
Male, N (%)	43 (83%)	34 (65%)	0.04
Waist (cm)	82.65 \pm 10.85	82.04 \pm 9.24	0.76
BMI (kg/m ²)	26.87 \pm 3.80	26.42 \pm 3.57	0.53
SBP (mm Hg)	136.56 \pm 24.1	138.58 \pm 25.36	0.68
DBP (mm Hg)	72.69 \pm 10.95	73.67 \pm 13.29	0.68
HTN	38 (73%)	32 (62%)	0.14
DM	20 (38%)	14 (27%)	0.21
Proteinuria	13 (25%)	6 (12%)	0.06
Smoking	17 (33%)	23 (44%)	0.23
Alcohol	15 (29%)	12 (23%)	0.51
Hb (g/dl)	13.78 \pm 1.63	13.82 \pm 1.62	0.66
Glu AC (mg/dL)	132.48 \pm 33.18	121.75 \pm 40.38	0.15
HbA1C (mg/dL)	6.32 \pm 0.79	6.8 \pm 2.49	0.66
GOT (U/L)	23.64 \pm 5.79	19.21 \pm 6.17	0.17
GPT (U/L)	26.85 \pm 6.01	26.55 \pm 7.29	0.82
BUN (mg/dL)	18.84 \pm 5.91	17.24 \pm 4.6	0.13
Cr (mg/dL)	1.09 \pm 0.56	0.92 \pm 0.2	0.03
Na (mmol/L)	137.62 \pm 1.95	137.58 \pm 2.57	0.93
K (mmol/L)	4.07 \pm 0.35	4 \pm 0.35	0.31
CHO (mg/dL)	151.45 \pm 34.61	165.78 \pm 29.53	0.03
TG (mg/dL)	149.8 \pm 84.49	146.1 \pm 66.84	0.81
LDL (mg/dL)	87.96 \pm 28.28	99.73 \pm 25.11	0.03
HDL (mg/dL)	37.73 \pm 5.97	43.88 \pm 6.29	0.04
CRP (mg/dL)	0.06 \pm 0.01	0.11 \pm 0.06	0.35

All results were expressed as means and standard deviations (Mean \pm SD) for both men and women. NGS, next-generation sequencing; CAD, coronary artery disease; BH, body height; BW, body weight; SBP, systolic blood pressure; DBP, diastolic blood pressure; HTN, hypertension; DM, diabetes mellitus; Hb, hemoglobin; Glu AC, fasting blood glucose; HbA1C, hemoglobin A1c; GOT, glutamic oxaloacetic transaminase; GPT, glutamic pyruvic transaminase; BUN, blood urea nitrogen; Cr, creatinine; Na, sodium; K, potassium; CHO, cholesterol; TG, triglyceride; LDL, low-density lipoprotein cholesterol; HDL, high-density lipoprotein cholesterol; CRP, C-reactive protein

Supplementary Table S2. The amounts of exosomes from the selected population for NGS.

	Selected CAD (n=52)			Selected Patent (n=52)			Mann–Whitney U test
	Mean ± SD	Median	IQR	Mean ± SD	Median	IQR	
Size (nm)	million particles/ml			million particles/ml			<i>p</i> -value
≤ 100	72410.15±43856.63	74635.72	50913.68	68091.3±32406.54	69982.11	60551.03	0.64
100 ~ 200	12862.35±8429.07	12569.21	11922.17	11948.46±6901.41	11838.52	10203.41	0.65
≤ 200	86072.63±51906.84	89996.29	63280.61	84371±37143.45	82762.28	72260.87	0.74
200~500	145.48±188.56	72.43	170.80	146.43±170.5	75.08	142.51	0.74

CAD, coronary artery disease; SD, standard deviation; IQR, interquartile-range.

Supplementary Table S3. Multiple linear regression for the amounts of exosomes from the selected population for NGS.

	Size ≤ 100 (nm)		Size ≤ 200 (nm)	
	β (million particles/ml)	<i>p</i> -value	β (million particles/ml)	<i>p</i> -value
CAD	7359.98	0.38	9087.59	0.36
Age	-412.68	0.29	-587.80	0.21
Sex	3350.90	0.72	-1535.56	0.89
HTN	-4280.23	0.27	-5037.36	0.26
DM	4937.89	0.56	5229.06	0.60

NGS, next-generation sequencing; CAD, coronary artery disease; HTN, hypertension; DM, diabetes mellitus

Supplementary Figure S1. Study workflow.

