

ONLINE SUPPLEMENT

ENDOTHELIAL DYSFUNCTION AND THE RISK OF HYPERTENSION: THE MULTI-ETHNIC STUDY OF ATHEROSCLEROSIS

Short Title: Endothelial Dysfunction and Incident Hypertension

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Table S1. Relative Risk for Incident Hypertension for Covariables in the Multivariable Adjusted Models*

Characteristics	Model 1 RR (95% CI)	Model 2 RR (95% CI)	Model 3 RR (95% CI)
Age, per 5 year increase	1.19 (1.15 – 1.23)	1.21 (1.16 – 1.26)	1.13 (1.08 – 1.17)
Gender, male vs. female	1.01 (0.88 – 1.14)	1.04 (0.89 – 1.20)	1.20 (1.02 – 1.41)
Race, versus White			
African American	1.49 (1.25 – 1.78)	1.31 (1.08 – 1.59)	1.12 (0.93 – 1.36)
Hispanic	1.17 (0.98 – 1.39)	1.03 (0.85 – 1.25)	0.99 (0.81 – 1.21)
Chinese American	0.89 (0.70 – 1.12)	1.03 (0.80 – 1.33)	0.91 (0.71 – 1.17)
BMI, per 5 kg/m ² increase	-	1.21 (1.13 – 1.30)	1.10 (1.02 – 1.19)
Diabetes, yes vs. no	-	1.73 (1.40 – 2.12)	1.62 (1.32 – 2.00)
LDL-cholesterol, per 40 mg/dL increase	-	0.94 (0.86 – 1.02)	0.93 (0.85 – 1.02)
HDL-cholesterol, per 40 mg/dL increase	-	1.05 (0.95 – 1.16)	1.01 (0.91 – 1.12)
Current smoking, yes vs. no	-	1.19 (0.99 – 1.42)	1.18 (0.98 – 1.41)
Current alcohol intake, yes vs. no	-	1.07 (0.92 – 1.23)	1.07 (0.93 – 1.24)
High school education, yes vs. no	-	0.93 (0.77 – 1.12)	1.06 (0.87 – 1.28)
Physical activity level in 1000 METs -min/wk, per two-fold higher level	-	0.99 (0.91 – 1.06)	1.07 (0.93 – 1.24)
eGFR, per 20 ml/min/1.73m ² decrease	-	1.04 (0.94 – 1.14)	1.05 (0.96 – 1.16)
CRP, per two-fold higher level	-	1.05 (1.00 – 1.09)	1.02 (0.98 – 1.07)
SBP, per 10 mmHg increase	-	-	1.63 (1.52 – 1.74)
DBP, per 5 mmHg increase	-	-	1.06 (1.00 – 1.12)

*Models also included adjustment for flow-mediated dilation and MESA site.

BMI = body mass index, CI = confidence interval, CRP = C-reactive protein, DBP = diastolic blood pressure, eGFR = estimated glomerular filtration rate, HDL = high-density lipoprotein, LDL = low-density lipoprotein, MET = metabolic equivalent value, RR = relative risk, SBP = systolic blood pressure.