

Supplementary Materials: Greater Height Is Associated with a Larger Carotid Lumen Diameter

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Table S1. Common carotid artery diameter (CCAD) and intima-media thickness (IMT) core prediction models (n = 231).

| | β | SE | R ² |
|--------------------------|--------------------|--------|-------------------|
| Model 3 CCAD (mm) | | 0.77 | 0.20 [‡] |
| Intercept | -0.258 | 0.89 | |
| Height (cm) | 0.029 [‡] | 0.005 | |
| Age (years) | 0.006 [*] | 0.003 | |
| BMI (kg/m ²) | 0.036 [‡] | 0.007 | |
| Model 4 IMT (mm) | | 0.18 | 0.24 [‡] |
| Intercept | 0.25 [‡] | 0.06 | |
| Age (years) | 0.005 [‡] | 0.0007 | |
| BMI (kg/m ²) | 0.005 [‡] | 0.002 | |

Both models are statistically significant at $p < 0.001$. *, $p < 0.05$; †, $p < 0.01$; ‡, $p < 0.001$. BMI, body mass index; SE, standard error.

Table S2. Common carotid artery diameter (CCAD) and intima-media thickness (IMT) core prediction models replacing BMI with %fat as a Covariate (n = 231).

| | β | SE | R ² |
|--------------------------|--------------------|-------|-------------------|
| Model 5 CCAD (mm) | | 0.77 | 0.20 [‡] |
| Intercept | -0.72 | 1.29 | |
| Height (cm) | 0.032 [‡] | 0.008 | |
| %fat | 0.035 [‡] | 0.007 | |
| Sex (0, F; 1, M) | 0.368 [*] | 0.172 | |
| Model 6 IMT (mm) | | 0.18 | 0.23 [‡] |
| Intercept | 0.26 | 0.07 | |
| Age (cm) | 0.005 [‡] | 0.007 | |
| %fat | 0.004 [*] | 0.002 | |
| Sex (0, F; 1, M) | 0.07 [*] | 0.03 | |

Both models are statistically significant at $p < 0.001$. *, $p < 0.05$; ‡, $p < 0.001$. F, female; M, male; SE, standard error.

Table S3. Common carotid diameter (CCAD) and intima-media thickness (IMT) prediction models including lipid analyses (n = 203).

| | β | SE | R ² |
|--------------------------|---------|-------|----------------|
| Model 7 CCAD (mm) | | 0.76 | 0.27‡ |
| Intercept | -0.367 | 0.957 | |
| Height (cm) | 0.03‡ | 0.005 | |
| Age (years) | 0.009‡ | 0.003 | |
| BMI (kg/m ²) | 0.04‡ | 0.008 | |
| LDL (mg/dL) | -0.005* | 0.002 | |
| Model 8 CCAD (mm) | | 0.76 | 0.25‡ |
| Intercept | -0.132 | 1.001 | |
| Height (cm) | 0.03‡ | 0.005 | |
| Age (years) | 0.009* | 0.003 | |
| BMI (kg/m ²) | 0.04‡ | 0.008 | |
| TC (mg/dL) | -0.003* | 0.001 | |
| Model 9 CCAD (mm) | | 0.77 | 0.23‡ |
| Intercept | -0.872 | 1.373 | |
| Height (cm) | 0.035‡ | 0.008 | |
| Sex (0, F; 1, M) | 0.401* | 0.181 | |
| %Fat | 0.037‡ | 0.008 | |
| LDL (mg/dL) | -0.004* | 0.002 | |

Both models are statistically significant at $p < 0.001$. *, $p < 0.05$; †, $p < 0.01$; ‡, $p < 0.001$. BMI, body mass index; F, female; LDL, low-density lipoprotein cholesterol; M, male; SE, standard error; TC, total cholesterol.

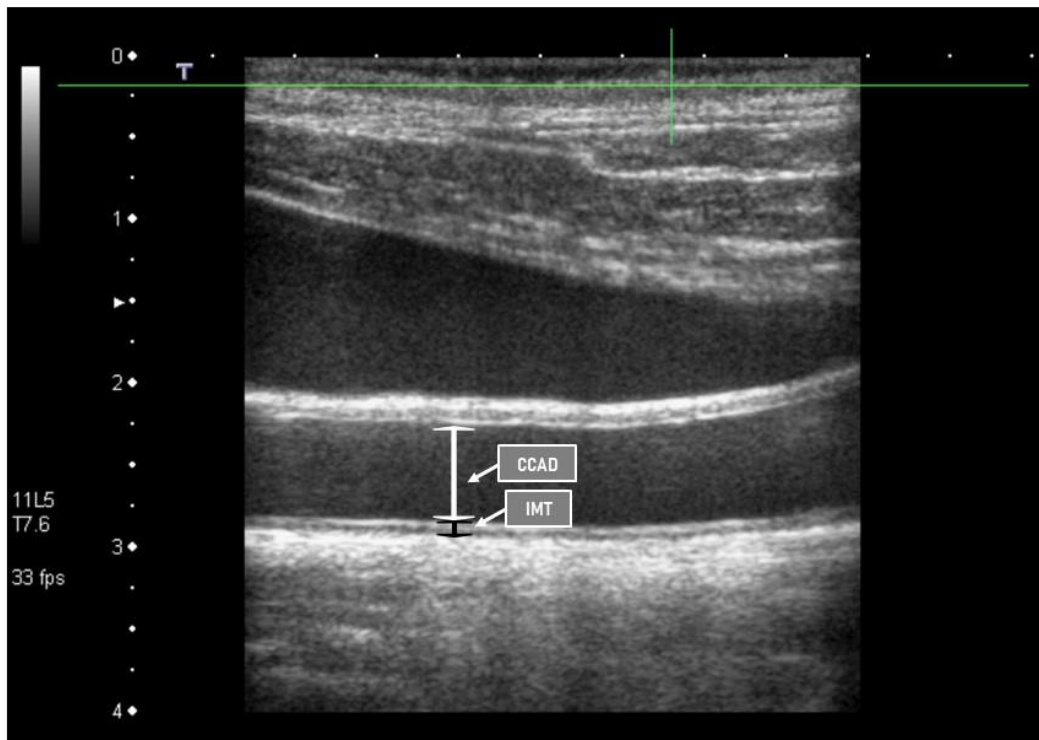


Figure S1. Ultrasound scan with common carotid artery diameter (CCAD) and intima-media thickness (IMT).