

Mechanisms underlying elevated systolic blood pressure differ with adiposity in young adults: The Enigma Study

Supplementary results

Figure S1: Pulse pressure amplification in males and females with lower and higher SBP, respectively. Data are means \pm SEM.

Supplementary Table 1: Summary of Models 1-4

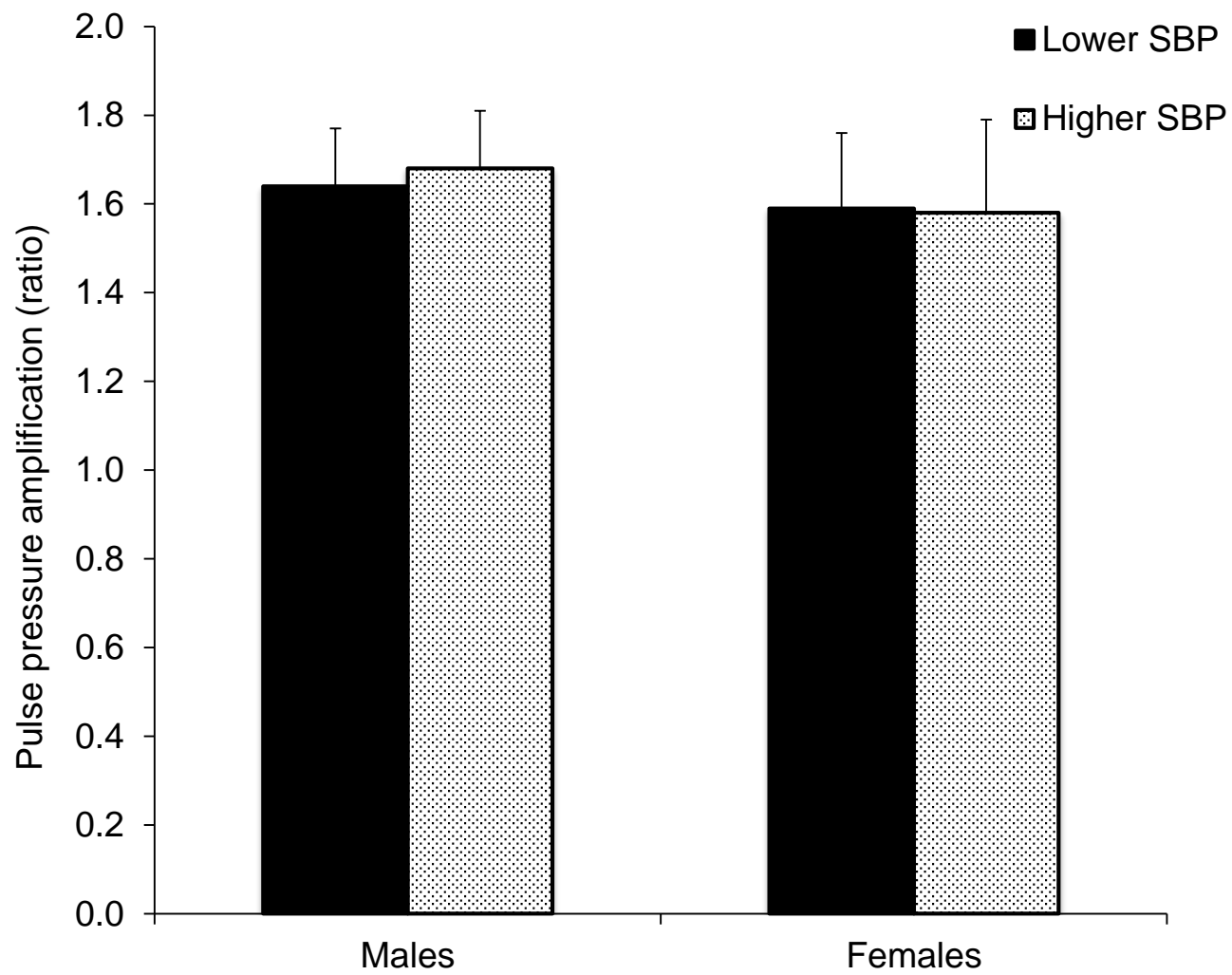
Supplementary Model 1

Supplementary Model 2

Supplementary Model 3

Supplementary Model 4

Supplementary Figure 1.



Supplementary Table 1:

SBP	Beta	R²	P
<u>Model 1:</u> Age, Gender, BMI, CO, PVR	0.09	0.55	<0.001
<u>Model 2:</u> Model 1 + BMI x CO	-0.41	0.55	<0.001
<u>Model 3:</u> Model 1 + BMI x PVR	0.78	0.56	<0.001
<u>Model 4</u> Model 1 + BMI x CO x PVR	1.09	0.67	<0.001

Supplementary Model 1:

SBP	Beta	R² change	P
Adjusted R ² = 0.56			
Age	0.09	0.7	<0.001
Gender	-0.45	21	<0.001
BMI	0.33	10.9	<0.001
CO	0.19	2.9	<0.001
PVR	0.78	19.6	<0.001

Supplementary Model 2:

SBP	Beta	R² change	P
Adjusted R ² = 0.56			
Age	0.09	0.7	<0.001
Gender	-0.27	10.1	<0.001
BMI	0.37	1	<0.001
CO	1.22	5.3	<0.001
PVR	0.78	12.6	<0.001
BMI X CO	-0.41	25.3	<0.001

Supplementary Model 3:

SBP	Beta	R² change	P
Adjusted R ² = 0.56			
Age	0.08	0.5	<0.001
Gender	-0.28	21	<0.001
BMI	-0.23	10.9	<0.001
CO	0.92	2.9	<0.001
PVR	0.09	-	0.4
BMI X PVR	0.78	20.5	<0.001

Supplementary Model 4:

SBP	Beta	R² change	P
Adjusted R ² = 0.67			
Age	-0.004	-	0.79
Gender	-0.27	13.2	<0.001
BMI	-0.67	11.4	<0.001
CO	0.28	2.5	<0.001
PVR	0.1	0.1	<0.003
BMI X CO X PVR	1.09	40.1	<0.001