Supplemental Figures

Supplemental Figure 1. Relationship between ethnicity (self-reported White, Black, Asian, and undefined) and maternal plasma S1P (A) and sphingosine (B) concentration. Gestational age range presented in weeks + days. \( n=61 \) at 14+0-17+6 weeks and \( n=65 \) at 18+0-24+6.

A.

B.

Supplemental Figure 2. Relationship between fetal sex and maternal plasma S1P (A) and Sphingosine (B) concentrations. Gestational age range presented in weeks + days, \( n=27 \) 14+0-17+6 weeks and \( n=39 \) at 18+0-24+6.
Supplemental Figure 3. S1P and sphingosine concentrations in women with chronic hypertension at booking versus those with a previous history of pregnancy hypertension, n=127.

A.

![Graph A showing S1P concentrations](image)

- ▼ Previous history chronic hypertension
- • Previous pregnancy hypertension

B.

![Graph B showing Sphingosine concentrations](image)

- ▼ Previous history chronic hypertension
- • Previous pregnancy hypertension
Supplemental Figure 4. Longitudinal measurements of S1P(A) and Sphingosine(B) between 14+0-17+6 weeks and 18+0-24+6 weeks, n=30 for longitudinal measurements linked by lines, unlinked dot indicate single gestation data points. Gestational age range presented in week+days.

A.

B.
Supplemental Figure 5. Scatter plot of Sphingosine vs S1P demonstrating single outlier value of Sphingosine.