Supplemental figures legends

**Supplemental figure 1.** Relationship between ascending aortic distensibility (AoD) and insulin sensitivity index at baseline; $r$ and $p$ values are also shown.

**Supplemental figure 2.** Relationship between stiffness index of the ascending aorta (Ao) and insulin sensitivity index at baseline; $r$ and $p$ values are also shown.

**Supplemental figure 3.** Relationship between pulse wave velocity and left ventricular (LV) mass index at baseline; $r$ and $p$ values are also shown.
Correlation Analysis:

- **r = 0.18**
- **p = 0.035**

The scatter plot illustrates the relationship between Ascending Ao stiffness index and Insulin Sensitivity Index. The linear correlation coefficient (r) indicates a weak positive correlation, with a p-value (p) suggesting statistical significance at the 0.05 level.