

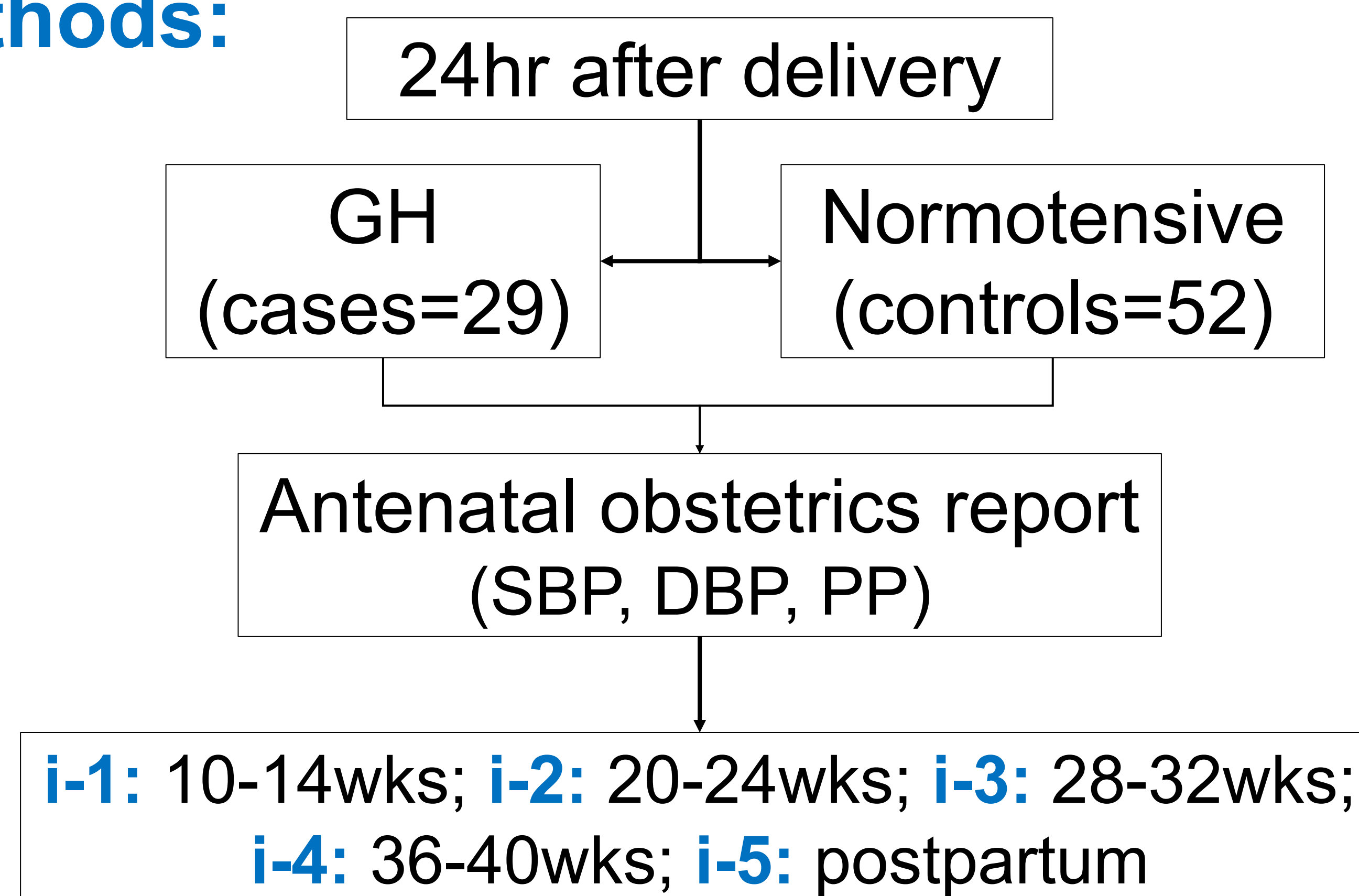
EP 17.47: Longitudinal mean blood pressure and pulse pressure patterns in pregnancies with and without gestational hypertension in a University Hospital

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Objective:

To describe a longitudinal pattern of peripheral mean blood pressure (**MAP**) and pulse pressure (**PP**) during pregnancy and postpartum period in pregnancies with and without gestational hypertension (GH).

Methods:

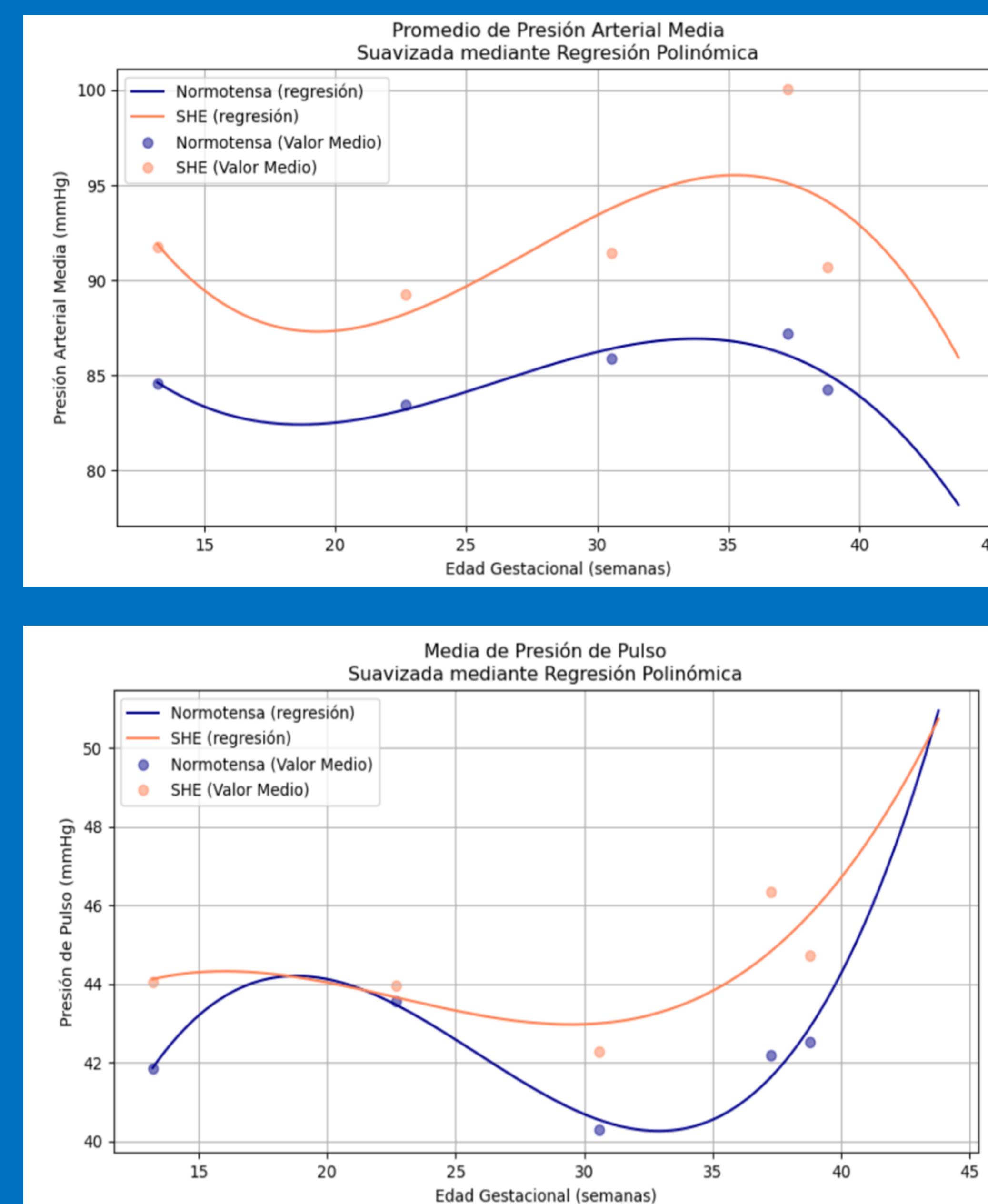


Statistical analysis:

- Mann-Whitney U test to compare MAP and PP between groups in each interval.
- Longitudinal analysis with a linear mixed model for assessment of interactions between outcome and gest age.

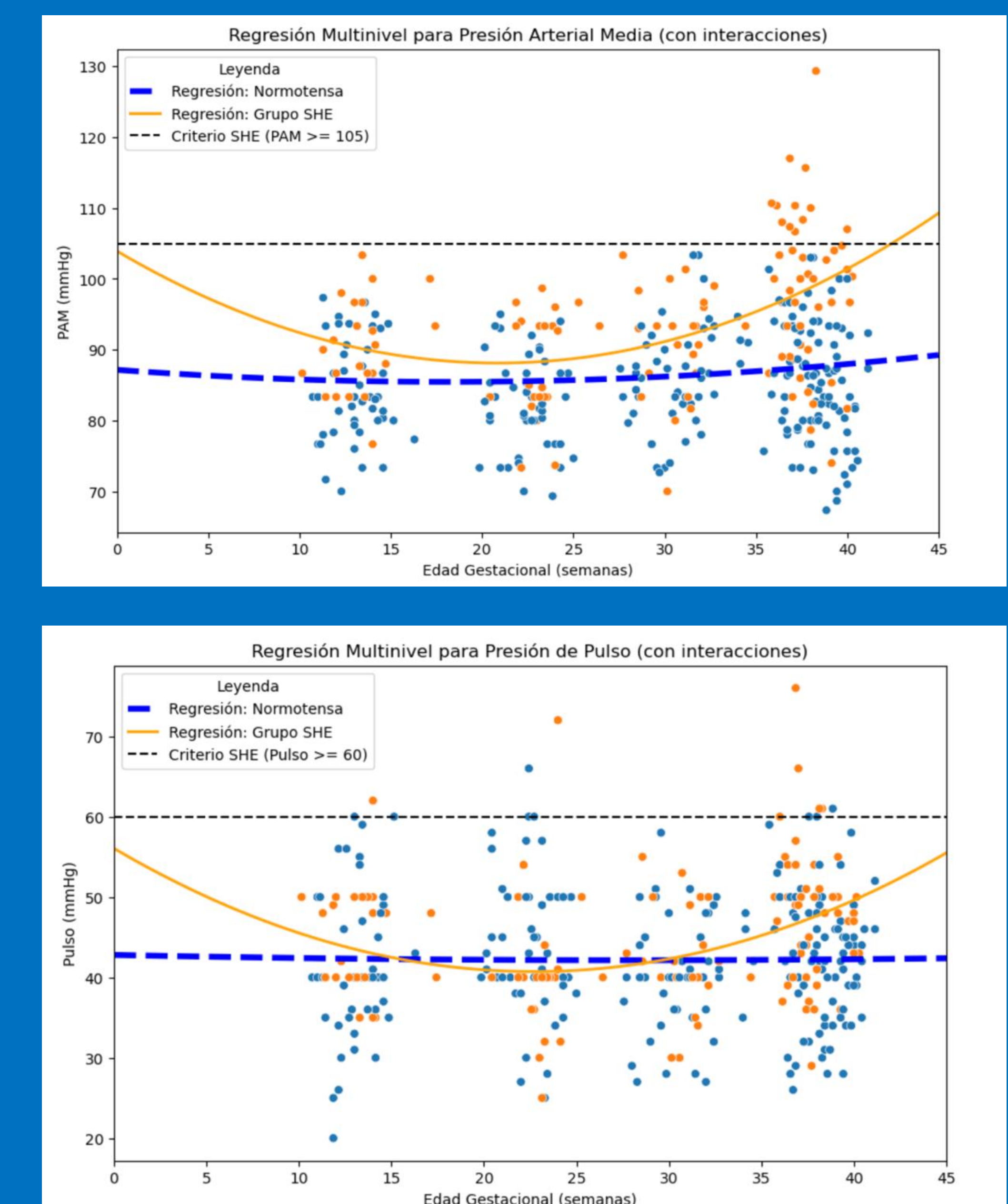
Results:

Figure 1: comparison of crude MAP and PP in GH and normotensive pregnancies.



Crude MAP means between groups in all intervals with $p < 0.001$. For PP a $p < 0.001$ at 36-40wks and postpartum.

Figure 2: Adjusted mixed models for MAP and PP in GH and normotensive pregnancies.



In GH there was interaction with gestational age, mostly at first and third trimesters.

Conclusions:

Subjects that develop a **GH** showed a particular pattern of **hemodynamic adaptation** throughout pregnancy.