Objectives

To investigate the association between placental growth factor (PIGF) and adverse obstetric outcomes in a mixed-risk cohort of pregnant women screened for pre-eclampsia (PE) in the first trimester.

Methods

- Singleton pregnant women
- First trimester screening for PE
- Sydney Ultrasound for Women
- Outcome data from NSW Perinatal Data Collection
- PE, sPTB, low birth weight, still birth, neonatal death

Results

11,758 pregnant women

| PIGF < 0.5 MoM | n = 570 (4.8%) |
| PIGF < 0.3 MoM | n = 107 (0.9%) |

Odds ratios of adverse pregnancy outcomes

PIGF < 0.3 MoM and < 0.5 MoM

Conclusion

Low levels of PIGF in the first trimester are associated with a range of adverse pregnancy outcomes.