

## **Pregnancy Outcome in Pregnancy with Low Pregnancy-Associated Plasma Protein A in First Trimester**

**Authors :** Sumi Manjipparambil Surendran, Subrata Majumdar

**Abstract :** Aim: The aim of the study is to find out if low PAPP-A (Pregnancy-Associated Plasma Protein A) levels in the first trimester are associated with adverse obstetric outcome. Methods: A retrospective study was carried out on 114 singleton pregnancies having undergone combined test screening. Results: There is statistically significant increased incidence of low birth weight infants in the low PAPP-A group. However, significant association was not found in the incidence of pre-eclampsia, miscarriage, and placental abruption. Conclusion: Low PAPP-A in the first trimester is associated with fetal growth restriction. Recommendation: Women with low PAPP-A levels in first trimester pregnancy screening require consultant-led care and serial growth scans.

**Keywords :** pregnancy, pregnancy-associated plasma protein A, PAPP-A, fetal growth restriction, trimester

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