ASSOCIATION OF FIRST TRIMESTER URIC ACID A PREDICTOR OF GDM

ABSTRACT

BACKGROUND

To analyse the relationship between first trimester uric acid levels and risk of developing GDM

METHOD

A prospective study was conducted in Tirunelveli Medical College Hospital. A total of 100 pregnant women upto 12 weeks of pregnancy were enrolled in this study. After obtaining history and physical examination blood sample for serum uric acid was taken. They were subsequently followed till term. All women were subjected to blood sugar screening one hour after 50 gms of glucose and glucose tolerance test using criteria based on fifth International conference on GDM.

RESULTS

GDM complicated 10% of the patients included in the study. Out of 43 patients with serum uric acid with more than 3.6 mg/dl 13 patients had deranged blood sugar screening and out of this 8 patients developed GDM (p<0.05).
CONCLUSION

This study demonstrate positive association between elevated first trimester uric acid and risk of developing GDM. Hence it may be used a predictor of development of GDM.

KEYWORDS:

GDM- Gestational Diabetes Mellitus