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Serum and salivary uric acid level in patients of preclampsia.

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ABSTRACT

TITLE OF THE THESIS- SERUM AND SALIVARY URIC ACID LEVEL ESTIMATION AND ITS CORRELATION IN PREECLAMPSIA

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The study was conducted in department of obstetrics and gynaecology, AIIMS RAIPUR from JUNE 2020 TO APRIL 2021. 100 Antenatal women attending Obstetrics and Gynecology Antenatal OPD or admitted in Antenatal ward from 20-40 weeks of gestation fulfilling inclusion criteria (Inclusion criteria-Diagnostic Criteria for preeclampsia and severe preeclampsia As per Hypertension in pregnancy: diagnosis and management Nice guideline June 2019) and exclusion criteria were taken for study and divided into 2 groups.

Group I – It includes 50 Pregnant patients between 20 weeks – 40 weeks of gestation diagnosed cases as preeclamps attending the Obstetrics and Gynaecology Outpatient department or admitted in Ante natal ward AIIMS, Raipur fulfilling inclusion and exclusion criteria.

Group II – It includes 50 pregnant women between 20-40 weeks of gestation with normotensive pregnancy attending Obstetrics and Gynecology Antenatal OPD or admitted in Antenatal ward fulfilling inclusion and exclusion criteria.

The salivary sample and serum was sent to biochemistry laboratory and the findings were noted. There was linear correlation found between the salivary sample and serum uric acid sample values thus coming to the conclusion that elevated level of salivary uric acid precede the onset of preeclampsia, pregnancy-induced hypertension. Uric acid may prove to be an early biomarker of hypertensive complications of pregnancy. Serum uric acid can be used where routinely renal function tests cannot be done in low resource countries and developing countries like India.

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