



▼ POST GRADUATES ABSTRACTS

PG - 49 : ULTRASONOLOGICAL CORRELATIVE STUDY OF PLACENTAL THICKNESS WITH GESTATIONAL AGE AND FETAL WEIGHT.

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Aims and objective: To evaluate placental thickness with respect to gestational age and fetal weight by using ultrasonography .To correlate placental thickness with respect to gestational age and fetal weight. To derive normogram of placental thickness in comparison with fetal gestational age.

Materials and method: This was a prospective comparative study, which was conducted at the Mahatma Gandhi Medical College and Research Institute Hospital, a rural tertiary care hospital over one-year period from December 2015 to November 2017 until we enrolled pregnant women between 11-40 weeks of gestation. The grey scale real time ultrasonographic examinations were performed using a MINDRAY DC-8 machine and the probe used for the

study was 3.5 MHz convex curvilinear transducer. Hard copies of the cases were acquired using the thermal printer and photographs.

Results: Placental thickness has positive correlation with gestational age.The gestational age and placental thickness increases in a linear manner from 16-36 weeks of gestational age and then decreases by 1-3mm after 36 weeks.

Conclusion : Fetal weight increases in relation with the placental growth and placental thickness is an indicator of the fetal growth..Placental thickness can be used as an additional tool to be routinely carried out during the anomaly scan.