عنوان مقاله:
Association between PAPP-A and placental thickness

محل انتشار:
مجله طب توليد مثل ایران (سال:14)

تعداد صفحات اصل مقاله: ۶ صفحه

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خلاصه مقاله:
Background: Measuring of maternal serum pregnancy-associated plasma protein-A (PAPP-A) in first trimester can be a way for early detection of adverse prenatal outcome due to faulty placenta. Objective: The aim was to Determination of association between placental thickness in second trimester with low level of PAPP-A in first trimester. Materials and Methods: In this cohort study, serum PAPP-A of ۱۸۷ pregnant women was measured in the first trimester of pregnancy. Patients who had PAPP-A≤۸.۰ MOM were in exposed and others who had PAPP-A >۸.۰ defined as unexposed group. The criteria of placental thickness in ultrasound study was thickness of ۴ cmor more than ۵۰.۰% of placental length. Results: Of ۱۸۷ patients, ۶۷ patients had PAPP-A >۸.۰ and ۱۲۶ patients had PAPP-A ≤۸.۰. Women with low levels of PAPP-A in the first trimester, had an increased incidence placental thickness of ۴۶.۴%, whereas another group had about ۱۰% (p=۰.۲۱). Also, PAPP-A levels had acceptable sensitivity and specificity for placental thickness detection (۹۱.۱% and ۸۴.۸%, respectively. Conclusion: Our study showed that serum level of PAPP-A generally was low (≤۸.۰) in women with a thick placenta (>۴ cm or >۵۰.۰% of placental length). The first trimester of pregnancy measurement of PAPP-A will be more predictable for healthy placenta.

کلمات کلیدی:
Pregnancy-associated plasma protein-A (PAPP-A), Pregnancy, Placenta

لینک نتیجه مقاله در سپریلیکا:
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