

Expression of placental growth factor in pregnancy and its predictive value for preeclampsia

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Objective

To explore the role of the maternal serum placental growth factor during pregnancy and its clinical value in predicting preeclampsia.

Methods

The serum levels of PLGF from 3, 891 pregnant women at early, middle and late gestational age were measured. To analyze the PLGF value at different gestational stages and the predicting values for preeclampsia.

Results

The PLGF level increases progressively with pregnancy, reaches the peak at around 30 weeks and decreases subsequently. (2) Using the criteria: GA<15w, PLGF>30pg/mL; GA: 15-20w, PLGF>66pg/mL; GA>20w, PLGF>100pg/mL, all the PIH cases had lower PLGF levels, with a sensitivity of 100%.

Conclusion

The PLGF level increases progressively with pregnancy, reaches the peak at around 30 weeks and decreases subsequently. (2) Detection of PLGF is sensitive and convenient in predicting and preventing of preeclampsia.