

The value of Serum Progesterone Measurement in Early  
Pregnancy

Zainab Ali Abdulla Al Jufairi, MRCOG(London)\*

**Objective:** To assess the use of single serum progesterone measurement in early pregnancy and its relation to the pregnancy outcome.

**Setting:** Coombe Women's Hospital, Dublin.

**Design:** Retrospective analysis of pregnancy outcome of the women who had serum progesterone measurement in early pregnancy.

**Results:** The study group included 55 pregnancies. Forty two pregnancies had continued beyond 28 weeks gestation, 12 ended with spontaneous abortion and one was ectopic pregnancy. Serum progesterone level was  $20.48 \pm 6.066$  in continuing pregnancy,  $7.78 \pm 2.06$  in spontaneous abortion group and 3.9 ng / L in the ectopic pregnancy. The difference in the serum progesterone level was highly significant (P value < 0.0001).

**Conclusion:** Serum progesterone measurement is a reliable biochemical test in establishing the diagnosis of early pregnancy failure.

*Bahrain Med Bull 2000;22(1):*