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Title: Luteal phase progesterone and oestradiol after ovarian stimulation: relation to response and prediction of pregnancy

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**Short title:** Luteal phase serum progesterone and oestradiol for predicting outcome in ART

**Luteal phase progesterone and oestradiol after ovarian stimulation: relation to response and prediction of pregnancy**

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**Key message**

Ovarian steroids given on the day of blastocyst transfer were correlated to ovarian response, but not pregnancy outcome. In contrast, at the time of pregnancy test, correlations disappeared, except in those patients who had live births. Among patients who experienced pregnancy losses, 17.4% had high HCG but low progesterone levels.

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