

ESHRE 2021 Virtual (26 June-1 July 2021)

Questions for the speakers

Session 14: Reproductive endocrinology poster discussions

Embryo euploidy rates following follicular or luteal start ovarian stimulation. A prospective study with repeated ovarian stimulation ovarian stimulation cycles. - Francisca Martinez (Spain)

Q: When was the luteal phase stimulation started? What day of cycle?

A: Following baseline blood sampling on cycle day 2 or 3 of the menstrual cycle, patients were followed up with blood and ultrasound from cycle day 10 onwards till the detection of serum LH peak, defined as an increase in serum LH above 20IU/LH. Five days after the LH peak a Gonadotropin stimulation was started (Stimulation Day 1). Starting on Stimulation Day 6, subjects received a daily SC injection of 0.25 mg ganirelix up to and including the day of GnRH agonist triggering.

Q: Was there a difference observed in mosaic rate? What is the rationale for the 5 days post LH surge?

A: There were no differences in mosaic rate between both COS: number of mosaic embryos : Follicular stim 0.45 ± 0.73 vs Luteal Stim 0.45 ± 0.73

B: 5 days post LH surge is a safe period to assume full corpus luteum function and luteal phase establishment. In the study, luteal phase was assessed by plasma progesterone levels and the presence of corpus luteum by ultrasound. It was adopted taking into account previous reports (Ubaldi et al 2016 , from OPU+ 5 days; Wei et al 2016, from OPU +1 day; Zhang et al, 2018, from OPU +2-7 days)