

# **Ovarian stimulation by clomiphene citrate and hMG in combination with cetorelix acetate for ICSI cycles**

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摘要

## **Abstract**

**BACKGROUND:** The introduction of GnRH antagonists such as cetorelix acetate has made possible the simplification of ovarian stimulation. However, the most effective protocol for their administration has not yet been clearly defined. **METHODS:** Forty women with male-factor infertility undergoing 40 ICSI cycles were included in the study. Clomiphene citrate at 100 mg a day was given from cycle day 3 through day 7. hMG at 150 IU was given on cycle days 4, 6 and 8, and was adjusted from day 9 according to the follicular and hormone responses. Cetorelix acetate at 2.5 mg was administered when the leading follicle reached 14 mm. The remaining 0.5 mg was divided into two 0.25 mg injections for possible later use. Serum FSH, LH, estradiol and progesterone levels were measured daily from the day of cetorelix acetate injection until hCG was given.

**RESULTS:** Serum LH level was suppressed effectively for 4 days. Four patients (10%) needed one or two additional injections of 0.25 mg cetorelix acetate. No premature LH surge was detected in any of the women treated. Sixteen women became pregnant (40%), of which 14 pregnancies (35%) were ongoing at the time of writing. **CONCLUSIONS:**

This study demonstrates that this new protocol is feasible for couples with male-factor infertility undergoing ICSI