

least there may not be harmful effects of GnRH antagonist on oocyte development and quality.

O-15 IVM after Interruption of COH for the Prevention of OHSS in PCOS Patients

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Objective: The purpose of this study was to evaluate the effectiveness of IVM after interruption of COH on the prevention of OHSS in patients undergoing controlled ovarian hyperstimulation for IVF or COH/IUI.

Materials and Methods: Twenty patients with polycystic ovarian syndrome (PCOS) were stimulated using HMG initially. All patients were taken serial ultrasonographic examinations to monitor size and number of follicles. For the prevention of OHSS, gonadotropin withholding was offered to them and a full dose of human chorionic gonadotropin (10,000 IU) was administered when ≥ 20 follicles (mean diameter of > 10 mm) were observed on ultrasonography. And oocytes were retrieved 36 h later.

Results: Median duration of COH was 7 days, and the median ampoules of gonadotropins used during COH was 15.5. Among 297 oocytes (13 oocytes per patient) retrieved, 57 oocytes (19.2%) were in MII stage at retrieval, and 77.2% of the total oocytes were matured in vitro during 48 hours. ICSI was performed for fertilization of mature oocytes. Fertilization rate and cleavage rate were 80.3% and 95.2%, respectively. ET was performed in 20 cycles, and the clinical pregnancy rate was 45.0% (9/20). 5 Patients underwent blastocysts transfer, all of them were pregnant. There were no cases of OHSS in 20 patients.

Conclusion: This preliminary study suggests that IVM after interruption of COH may be a solution to the management of PCOS patients before appearance of features of OHSS at ultrasound examination in stimulated cycles for IVF or COH/IUI.

O-16 반복적 착상 실패군 환자에서 G-CSF 사용의 임상적 유용성에 관한 연구

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목 적: 체외수정시술에서 반복적으로 착상에 실패한 환자를 대상으로 이식일에 G-CSF를 투여하여 착상을 및 임신율에 미치는 영향을 평가하고자 하였다.

대상 및 방법: 2001년 3월부터 2002년 8월까지 마리아병원에서 체외수정시술을 시행한 환자 중에서 타병원 및 마리아병원에서 2회 이상의 시술에서 실패한 145명의 환자를 대상으로 하였으며, 40세 이상