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# IVF/ICSI success rate in PCOD women in Fresh IVF cycle

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Background: Polycystic ovary syndrome (PCOS) is a common endocrine disorder of women, which occurs in 5% to 13% in women of reproductive age. It is one of the major reason of infertility in women. Therefore, the prediction of clinical pregnancy in women with PCOS is more challenging.

Aim: Our aim was to investigate the IVF/ICSI outcomes in PCOD patients.

Material and Methods: In the present retrospective study, total of 126 women in 133 fresh IVF cycles were involved, where 42 patient were PCOD and 84 patient were non-PCOD (other factor of infertility). All the patients' medical data of age, duration of infertility, factor of infertility, AMH hormone level, number of total retrieved oocyte, matured (M2) oocytes, day 3 cleaved embryos and biochemical pregnancy rates were used for this study and data were statistically analyzed by Student T-Test.

Result: After statistical analysis, significantly higher AMH level, higher number of total oocyte, mature oocyte and day3 cleaved embryos were observed in PCOD group. The biochemical pregnancy rate was also found to be higher in PCOD group but it was not statistically significant.

Conclusion: In the present study, number of oocytes and cleaved embryos were found to significantly higher in PCOD group but biochemical pregnancy was not significant.

Key words: PCOD, AMH, Oocyte, Embryo, Biochemical Pregnancy

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