

10<sup>th</sup> International Conference on

# ENDOCRINOLOGY, ENDOCRINE DISORDERS & THERAPIES

October 30-November 01, 2017 Chicago, USA



## Jaideep Khare

*Krishna Institute of Medical Sciences, India*

### Study of fertility outcome in patients with PCOS needing fertility treatment: Experience in tertiary center in south India

Polycystic Ovary Syndrome (PCOS) is most common cause of anovulatory infertility, present in 5-10% women of reproductive age. Many of these patients require assistance for reproduction in form of ovulation induction alone (OI), ovulation induction with intrauterine insemination (IUI) or assisted reproductive technology like IVF. In this prospective observational study, we have tried to find out the fertility outcome in these patients treated with different assisted reproductive procedures. In total, 115 patients were allocated to OI, IUI or IVF groups. Mean age, BMI and infertility duration was  $28.26 \pm 4.58$  years,  $26.93 \pm 3.84$  kg/m<sup>2</sup> and  $4.20 \pm 2.91$  years, respectively. OI group included 25 patients who received 40 OI cycles. Total Pregnancy (TP) and Ongoing Pregnancy (OP) rate per OI treatment cycle was 27.5% and 17.5%, respectively and overall TP and OP rate was 44% and 28%, respectively. IUI group included 56 patients who received 89 IUI cycles. TP and OP rate per IUI cycle was 21.35% and 15.73%, respectively and overall TP and OP rate was 33.93% and 25% respectively. IVF group included 34 patients who received 47 fresh IVF cycles and 19 frozen embryo transfer cycles. The cumulative pregnancy rate and OP rate in IVF group was 73.53% and 55.88%, respectively. Ovarian hyperstimulation syndrome as a complication was seen in one patient of IVF and two patients of IUI group, whereas multiple pregnancies and ectopic pregnancy was seen in one patient each in IVF group. Amongst three methods of assisted reproduction, IVF is most effective treatment for infertility but because it is more invasive and more expansive it should be last resort if earlier methods fail.

### Biography

Jaideep Khare has completed his MBBS from Seth G S Medical College & KEM Hospital Mumbai, MD Medicine from KGMU Lucknow and DNB Endocrinology from KIMS Hyderabad, India. He has 8 years of work and teaching experience in prestigious institutes like KEM Mumbai, KGMC Lucknow, AIIMS Bhopal, and is currently working in KIMS Hyderabad. He has given several presentations in national conferences and has 10 publications in reputed journals.

[drjaideepkhare919@gmail.com](mailto:drjaideepkhare919@gmail.com)  
[drjaideepkhare@yahoo.com](mailto:drjaideepkhare@yahoo.com)