Indian Journal of Basic and Applied Medical Research; September 2015: Vol.-4, Issue- 4, P. 600-605

**Original article:**

**To study post intrauterine insemination conception rate among infertile women with polyp and women with normal uterine endometrium cavity**

**1Dr. Archana Meena, 2Dr. Renu Meena, 3Dr. Kusum Lata Meena**

1 Senior resident, 2consultant, 3 Associate professor,

Department of Obstetrics and Gyaenacology, S.M.S. Medical College & Attached Group of Hospitals, Jaipur, Rajasthan, India

Corresponding author : email : Dr. Renu Meena

**Abstract**

**Objective:** To evaluate the role of endometrial polyp as a causative factor of infertility and to determine the difference in post intrauterine insemination conception rate among infertile women with polyp and women without any uterine pathology.

**Method:** A total of 42 infertile women of age 20-40 yrs were recruited in the study as per inclusion criteria. The study population included 42 women with similar demographic features and age. The study population further divided into two groups according to hysteroscopic findings. In Group-A endometrial polyp were present in 21 women and 21 women had normal uterine endometrial cavity in Group-B. In Group-A polyps were excised by either polypectomy or curettage. Intra uterine insemination (IUI) done in both groups after ovulation induction by tablet clomiphene citrate.

**Results:** Of the 42 subjects, 21 had polypectomies and 21 had normal endometrial cavity. Among the two groups there were no significant difference in age, type of infertility, length of infertility and demographic feature. Polypectomy subjects had significantly higher pregnancy rates after IUI than women with normal endometrium cavities (52.14% vs 14.2%).

**Conclusion:** Pregnancy rate after polypectomy was higher in infertility women suggesting a strong cause - effect of the polyp in the implantation process.

**Keywords:** IUI, endometrial polyp, polypectomy