Abstract

Title: Role of IUI: A simple ART in management of infertility in secondary level care.

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KEY WORDS: IUI (Intrauterine Insemination), ART (Artificial Reproductive Technology), Infertility.

1. Abstract body

This cross-sectional prospective observation was performed in a private hospital. Total 433 infertile couples were evaluated and treated during January 2013 to July 2019. Among 433 infertile couples 38 women required IUI which were done in IUI center, Bangladesh Management Infertility center and Green Infertility center Dhaka. All female partners were evaluated by HSG (Hysterosalpingography) or SIS (Saline Infusion Sonography) for tubal patency. Letrozol and injection FSH was given for controlled ovarian hyperstimulation. Injection HCG is given for ovulation induction after formation of mature folicle. IUI was done after 36 hours of injection HCG.

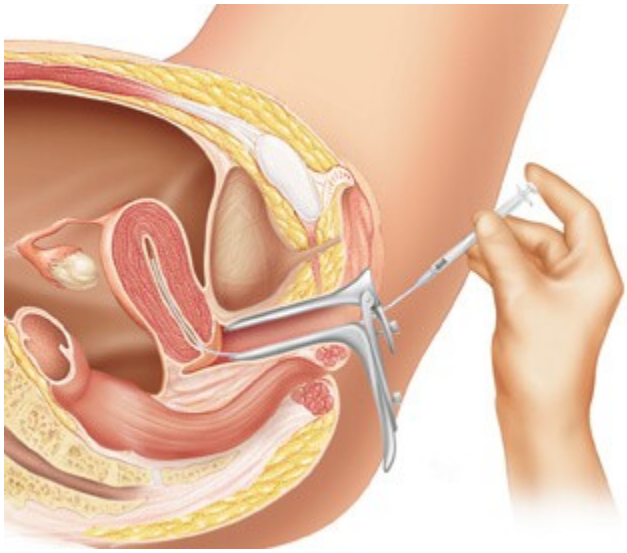
IUI was required in 8.77% of total infertile women attending the hospital. Among the women undergone IUI(38) of age were 25-29

years(47.37%), had secondary infertility (71.05%) and duration of infertility more than 4 years (76.31%). Major causes of infertility were single male factor (42.01%). Prewash semen showed sperm density >20x10^6 (70.83%) and motility <60% (73.68%).

Trans-vaginal sonography findings were endometrial thickness before IUI >9mm (60.52%), one mature folicle (62.5%). 7.89% of infertile women conceived after IUI. Among them live birth 2.63%, IUD at term 2.63% due to sever pre-eclampsia and irregular antenatal checkup (2.63%) and spontaneous mid trimester abortion (2.63%).

IUI is a simple ART technique in which the washed sperm is introduced in the uterine cavity at the time of ovulation. If it is performed based on appropriate indication and accurate protocol it will be a convenient method in management of infertility. IUI is easier, safer and inexpensive in comparison with other ART methods.

2. Image



3. References

1. WHO infertility: A tabulation of available data on prevalence of primary and secondary infertility, Geneva: Programme on Maternal and child health and Family Plannings Divison of Family Health:1991
2. Speroff L, Glass RH, kase NG Clinical Gynaecology Endocrinology and Infertily, fifth Edit; 760-860.
3. Paullmyer-Lacroix O, Molle L,Nozet A.et al.Intrauterine insemination with the husbands sperm. conclusions of five years experience. Contracept Fertil Sex. 1998 Apr; 26(4); 300-6
4. Sinha P, Pandey K Srivastava A.factors determining successful intrauterine insemination.Int J Repord Contracept Obstet gynecol 2017;vol-6;3887-91
5. Wainer R; Albert M, Dorion A,Bailly M, Bergere M et al. Influence of the number of motile spermatozoa inseminated and of their morphology on the success of intrauterine insemination, Human Reproduction, 2004, Sep;19(9).

4. Biography

Dr. Mala Banik has completed her MBBS degree at the age of 25 from Sir Salimullah Medical College and fellowship in Obs. & Gynae. from Bangladesh College of Physicians and Surgeons. She also completed Master of surgery in Obs. & Gynae. in Dhaka University. She is Associate Professor of Gynae. in Sir Salimullah medical college, Dhaka. She has published more than 10 papers in reputed journals and has been serving as an editorial board member of Orion Medical journal. She has special training in Colposcopy and Gynaeoncology.

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Picture

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