

THE EFFECT OF CERVICAL MUCUS ASPIRATION BEFORE INTRA UTERUS INSEMINATION (IUI) ON PREGNANCY RATE

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Objective: Intrauterine insemination (IUI) is known as a routine method for infertility treatment. The effectiveness of IUI is not identical in all cases. We do this study to determine whether cervical mucus aspiration before intrauterine insemination (IUI) has any effect on clinical pregnancy rates. **Materials and methods:** This clinical trial study was conducted from 7/2018 to 12/2019 in Sari Imam hospital's infertility center. Totally 286 cases were selected for IUI divided into two groups . Group one (n= 135) had cervical mucus aspiration before IUI and group two (n= 151) was control group. Pregnancy rate were compared in two groups. **Results:** Two groups were matched regarding age, type of infertility, type of infertility, number of follicles, FSH and LH level & etc. Pregnancy rate in cervical mucus aspiration (group one) and control group (group two) was 19.3% and 15.9% respectively. The difference was not significant. **Conclusion:** In this study with cervical mucus aspiration before IUI there was a non-significant increase in pregnancy rate, but it might improve clinical pregnancy rates by yet-to-be-defined mechanisms.