

# **The effect of endometrial local Injury and agonist GnRH for the pregnancy rate in patient with recurrent implantation failure**

Abstract:

Infertility is seen in 15-10% of all couples. One of the ways to treat infertility is using assisted reproductive technology (ART).

Recently, it has been shown that local trauma to the endometrium in IVF candidates increase implantation rates in these patients.

The aim of this study was to evaluate the effect of endometrial injury on pregnancy rate in patients with recurrent implantation failure (RIF).

In a clinical trial study that performed on patients with 2 time RIF in IVF in Department of Obstetrics and Gynecology of Tabriz University of Medical Sciences, the effect of endometrial injury on pregnancy rate in patients with RIF evaluated.

In this study, 76 patients with 2 time RIF in IVF evaluated and we examined endometrial trauma impact on pregnancy rate in patients with RIF that significant difference did not exist between the mean duration of infertility in patients with and without endometrial trauma before IVF.

$\beta$ HCG test was positive in 7 patients endometrial trauma before IVF and in 6 patients without endometrial trauma before IVF.

Significant differences did not exist between  $\beta$ HCG test in patients with and without endometrial trauma before IVF.

Significant correlation was not found between the incidences of pregnancy after IVF in patients with other parameters.

Key Words:

Endometrial Trauma, IVF, Recurrent Implantation Failure(RIF)