

عنوان مقاله:

Efficacy of Intrauterine infusion of granulocyte colony stimulating factor on patients with history of implantation failure:
A randomized control trial

محل انتشار:

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خلاصه مقاله:

Background: Although pregnancy rate in in vitro fertilization-embryo transfer (IVF-ET) cycles has been increased over the preceding years, but the majority of IVF-ET cycles still fail. Granulocyte colony stimulating factor (GCSF) is a glycoprotein that stimulates cytokine growth factor and induces immune system which may improve pregnancy rate in women with history of implantation failure. Objective: The aim of this study was to evaluate GCSF ability to improve pregnancy rate in women with history of implantation failure. Materials and Methods: 0.5 ml (300 µg/ml) GCSF was infused intrauterine in intervention group. Pregnancy outcomes were assessed based on clinical pregnancy. Results: The mean age of participants was 31.95 ± 4.71 years old. There were no significant differences between demographic characteristics in two groups ($p > 0.05$). The pregnancy outcome in GCSF group was improved significantly ($p = 0.043$). Conclusion: GCSF can improve pregnancy outcome in patients with history of implantation failure

کلمات کلیدی:

GCSF, Pregnancy rate, In vitro fertilization

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