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TITLE

TREATMENT OF THIN ENDOMETRIUM WITH AUTOLOGOUS PLATELET-RICH PLASMA: A PILOT STUDY

AUTHOR/S

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ABSTRACT

Context: Endometrium is one of the main factors in pregnancy. During assisted reproductive technology (ART) treatments, some cycles are cancelled due to inadequate endometrial growth.

Objective: This study was conducted to evaluate the effectiveness of platelet-rich plasma (PRP) in treatment of thin endometrium.

Methods: a pilot study

Patients: Ten patients with history of inadequate endometrial growth in frozen-thawed embryo transfer (FET) cycles were recruited into the study.

Intervention: Intrauterine infusion of 0.5 ml of platelet-rich plasma that contained platelet 4-5 times more than peripheral blood sample was performed.

Main Outcome Measure: Endometrial thickness was assessed. Chemical and clinical pregnancy was reported.

Result: In all patients, endometrial thickness increased after PRP and embryo transfer was done in all of them. Five patients were pregnant.

Conclusion: According to this study, it seems that PRP was effective in endometrial growth in patient with thin endometrium.

INSTITUTE

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