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**The sequential embryo transfer compared to blastocyst embryo transfer in IVF cycle**  
**Running head: The sequential embryo transfer**

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The purpose of this study was to determine the pregnancy rate in the double sequential transfer of embryos on day 2 and on day 5 compared to day 5 alone, in IVF/ET in patients with the three repeated consecutive IVF failures. In this controlled trial, Women scheduled for IVF/ET with the three repeated consecutive IVF failures were randomized to either sequential transfer of embryos on day 2 and on day 5 after ovum pick-up (Group In =60) or blastocyst embryo transfer on day 5 (Group Ian =60) as a control group. The primary outcome measures were the chemical and clinical pregnancy rate. Baseline and cycle characteristics were comparable in both groups. Clinical pregnancy rate was similar in the sequential ET group (40%) compared to the day 5 of embryo transfer group (38.3%) (P value =0.85).It seems that the double embryo transfer doesn't increase the chance of pregnancy rate compared to blastocyst embryo transfer on day 5 in the patients with the three repeated IVF-embryo transfer failures.

**Keywords:** Repeated implantation failure, blastocysts, day 3 embryo transfer, sequential transfer. randomized clinical trial.

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**Notes:**