

A NOVEL APPROACH FOR REPEATED IMPLANTATION FAILURE IN ICSI CYCLES

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Abstract Body

A Novel Approach for repeated implantation failure in ICSI cycles Ashraf Hany Abdelrahman^{1,3}, Hadeer Aly Abbassy²

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Objective: To evaluate the effect of gonadotropin-releasing hormone (GnRH) agonist, administered in the luteal phase(day 5 embryo transfer) in cases of repeated implantation failure, on intracytoplasmic sperm injection (ICSI) outcome.**Materials and Methods:** two hundred women undergoing ovarian stimulation (long protocol) for ICSI were enrolled in this study.**Patients:** were randomly assigned to receive *a single dose* of GnRH agonist on day of blastocyst transfer *or placebo*. Chemical , implantation and ongoing pregnancy rate were the main outcomes.**Results:** Administration of 0.1mg of the GnRH agonist triptorelin on day of blastocyst transfer (day 5 embryo transfer) led to a significant improvement in chemical pregnancy rate (35% vs. 25%) , implantation rate (18% vs. 13%)and on going pregnancy rate (29% vs. 10%) as compared with placebo. **Conclusion:** Luteal phase GnRH agonist administration on day 5 embryo transfer is effective in improving ICSI clinical outcomes for those with repeated implantation failure. Key words: GnRH agonist, ICSI and day 5 embryo transfer