

EFFECT OF ANTIBIOTIC PROPHYLAXIS WITH AZITROMICINE BEFORE OF EMBRYO TRANSFER?

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Objective: To evaluate the effect of the antibiotic prophylaxis before the embryo transfer in a group of recipient patients involved in an egg donor program. Several studies have analyzed the correlation between the antibiotic prophylaxis and the timing of the embryo transfer. Some studies confirmed that a bacterial contamination decreased the results of pregnancy rate after an embryo transfer while others showed similar results in terms of implantation and pregnancy rate in two groups of patients according to the prescription or not of antibiotic prophylaxis therapy prior to embryo transfer. Bacterial vaginosis is the most common cause of abnormal vaginal discharge with a prevalence of 13 to 31% among women in childbearing age.

Materials and methods: Retrospective case-control study. A total number of 984 oocyte recipients we analyzed from March 2008 to June 2009. One group of patients received 1 g of azitromicine the day before the transfer (A) while the other group (B) did not receive any antibiotic prophylaxis.

Results: Both groups showed similar features concerning the criteria of average age, endometrial preparation therapy and uterine condition. No statistical differences ($p < 0.05$) were found in terms of implantation rate, miscarriage rate, biochemical and ectopic pregnancy among both groups

Conclusion: According to our data, administration of prophylactic Azitromicin prior to the embryo transfer did not report benefits in the final outcome of patients involved in an egg donor program.