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# "TO IDENTIFY THE SUCCESS RATE OF IVF IN INFERTILE COUPLE WITH THEIR INFLUENCING FACTOR"

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## ABSTRACT

*In vitro fertilization (IVF) is an established assisted reproductive technology (ART) that has helped many infertile couples achieve pregnancy. However, the success rate of IVF varies widely, and several factors can influence its outcome. This study aimed to identify the success rate of IVF in infertile couples and explore the factors that influence it. The research design involved a cross-sectional study design with a sample size of 200 infertile couples undergoing IVF treatment. Data were collected using a structured questionnaire and medical records review. Descriptive and inferential statistics and logistic regression analysis were used for data analysis. The study found that the overall success rate of IVF in infertile couples was 52%, with age, duration of infertility, type of infertility, previous IVF attempts, and lifestyle factors being significant influencing factors. These findings can help clinicians optimize IVF treatment and improve pregnancy outcomes for infertile couples.*

**KEYWORDS**: *In Vitro Fertilization, Infertility, Success Rate, Influencing Factors, Logistic Regression Analysis*