

## Gamete Alert

### Can Optimize Oocyte Retrieval: Maximize Fertilization rate, Blastocyst Formation rate , and Live Birth Rates

According to a retrospective study of autologous IVF cycles in the US FROM 2014 -2019, there is a positive correlation between the number of oocytes retrieved and fertilized oocytes and blastocyst. The study also found that the cumulative live birth rate increased with the number of oocytes retrieved up to a certain point, around 60 – 20 oocytes. After that, the increase in live birth rate continued but with diminishing returns. Therefore, it is suggested that ovarian stimulations strategies should aim to safely maximize the number of oocytes retrieved in order to improve the cumulative live birth rate without impairing the primary transfer live birth rate.

### A higher number of oocytes retrieved is associated with an increase in fertilized oocytes, blastocysts, and cumulative live birth rates

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#### 1. **A higher number of oocytes retrieved is associated with an increase in fertilized oocytes, blastocysts, and cumulative live birth rates**

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