

Supplementation of exogenous LH in patients with poor ovarian response in controlled ovarian stimulation.

M Estrada (MX) [1]

Supplementation of exogenous LH in patients with poor ovarian response in controlled ovarian stimulation.

Miguel Ángel Estrada Maldonado MD1, Francisco Alejandro Sandoval García Travesí MD1, Karina Cázarez Pérez MD1, José Alfonso Gutiérrez Frusch MD1, Julio César Avilés Durán MD1, , Ileana Alejandra Mendiburu G. Cantón MD1, and Héctor Salvador Godoy Morales MD1.

Context: Luteinizing hormone supplementation in assisted reproduction treatments has been the subject of debate in the last 20 years, although its importance remains uncertain.

Both FSH and LH have a fundamental role in the menstrual cycle, FSH is essential in the recruitment and follicular development, also for the induction of multiple enzymes and hormones such as aromatase and inhibin, which are sequentially controlled by the LH and that require it for continuous follicular maturation.

Objective: To determine the difference of the mature oocytes retrieved in patients with low ovarian response in exogenous LH supplementation

Methods: Retrospective, descriptive, cross-sectional study, where protocols will be reviewed of the patients who had diagnosis of poor ovarian response in our reproductive center during the period from January 2009 to September of 2017.

The files of the patients that meet the inclusion criteria will be evaluated and divided into two groups according to their treatment management. A control group that is only supplemented by FSH and the case group supplemented with FSH + LH in any of its forms.

Outcome Measures: Evaluate the difference of the mature oocytes retrieved in patients with low ovarian response in exogenous LH supplementation

Results:

A total of 120 patients had diagnostic criteria for poor ovarian response

90 patients with LH supplementation, 120 patients without LH supplementation, there is a greater number of mature oocytes captured with LH supplementation, there is no improvement in the pregnancy rate with LH supplementation.

Conclusions: There is a greater quantity of mature oocytes captured with exogenous LH supplementation.

[1] UNAM