

## عنوان مقاله:

Ovarian reserve in women with endometriosis under total cystectomy compared to partial cystectomy: A randomized clinical trial

## محل انتشار:

مجله طب تولید مثل ایران، دوره 19، شماره 7 (سال: 1400)

تعداد صفحات اصل مقاله: 6

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## خلاصه مقاله:

Background: The standard procedure for ovarian endometriosis is laparoscopic excision of ovarian cysts and complete removal of the cyst capsule using the Striping technique. The safety of this procedure, due to the possibility of reducing ovarian reserve and in some cases, the premature ovarian failure, is still remains to be known. Objective: The aim of this study was to compare the ovarian reserve in women with endometriosis underwent total cystectomy with partial cystectomy. Materials and Methods: In this randomized clinical trial, 50 women with endometriosis were randomly assigned into two groups ( $n = 25$ /each); total cystectomy and partial cystectomy. To assess the ovarian reserves, anti-müllerin hormone level before and three months after surgery was measured and compared in the two groups. Results: Anti-müllerin hormone level before ( $p = 0.52$ ) and after surgery ( $p = 0.32$ ) did not significantly different between the two study groups. However, the mean of anti-müllerin hormone reduction in the total cystectomy group to be significantly higher than partial cystectomy ( $p = 0.001$ ). Conclusion: Cystectomy in women with endometriosis reduces ovarian reserve and can help maintain some ovarian reserve by performing partial instead of total cystectomy.

## کلمات کلیدی:

سیستکتومی، آنتی مولیرین هورمون، لاپاروسکوپی، Endometriosis, Cystectomy, Ovarian reserve, آندومتریوز.

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