

9th Yazd International Congress and Student Award on Reproductive Medicine with 4th Congress of Reproductive Genetics

Key Lectures

K-7

The success of various endometrioma treatments in infertility: A systematic review and meta-analysis of prospective studies

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Endometriosis is seen in 0.5-5% of fertile and 25-40% of infertile women. To investigate this conflict between gynecologists that ovarian endometriomas should be removed or not before making any decision about pregnancy among infertile women, we decided to carry out a systematic review and meta-analysis to compare the effect of various available therapeutic methods and notice the impact of these options on women's pregnancy rate. This review is based on

PRISMA recommendations with an electronic search using the following databases: Pubmed, Scopus, Google scholar, etc from 2000 and 2018, in the English language. The studies compare pregnancy rate based on four different treatment types of OMAs between infertile women: (surgery + ART, surgery + spontaneous pregnancy, aspiration ± sclerotherapy + ART, and ART alone). At least 8 prospective studies were included, in which 553 infertile women were compared in term of treatment methods of OMAs before trying to become pregnant. Treatments are usually based on the patient's clinical condition and must be individual, with the purpose of relieving pain, improving fertility, or both. We haven't any significant difference between our 4 groups of study, however the success of surgical procedure compared to other methods was higher and the success of ART alone was the least.