

## **Endometriosis: The Optimal Treatment of Recurrent Endometrioma in Infertile Patients**

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**Abstract :** Up to 50% of those with endometriosis may suffer from infertility due to either distorted pelvic anatomy/impaired oocyte release or inhibit ovum pickup and transport, altered peritoneal function, endocrine and anovulatory disorders, including LUF, impaired implantation, progesterone resistance or decreased levels of cellular immunity. The dilemma continues as to whether the surgery or IVF is the optimal management for such recurrent endometriomas. The core question is whether surgery adds anything of value for infertile women with recurrent endometriosis or not. Complete and detailed information on risks and benefits of treatment alternatives must be offered to patients, giving a realistic estimate of chances of success of repetitive surgery and of multiple IVF cycles in order to allow unbiased choices between different possible options. An individualized treatment plan should be developed taking into account patient age, duration of infertility, previous pregnancies and specific clinical conditions and wish.

**Keywords :** recurrent endometriosis, infertility, oocyte release, pregnancy

**Conference Title :** ICOG 2015 : International Conference on Obstetrics and Gynaecology

**Conference Location :** London, United Kingdom

**Conference Dates :** February 16-17, 2015