

ADHESIOLISIS TREATMENT TO IMPROVE FERTILITY BY OFFICE HYSTEROSCOPY

Bergueiro A., Espuelas S, Castellà J, Robles A., Agüero M, López-Yarto M.
Department of Obstetrics and Gynecology, Hospital de Mar, Barcelona, Spain.



INTRODUCTION

Diagnostic hysteroscopy performed previously to a assisted reproductive technique is an standard procedure used to explore the uterine cavity, specially in patients after implantation failures. Uterine adhesions (Asherman syndrome) causing infertility can be diagnosed and treated by hysteroscopy at the same time to improve reproductive outcomes.

CASE REPORT



Image 1

We present a case of 35 years old woman, with history of infertility (gravida 3 para 0), who underwent 4 IVF cycles without achieving pregnancy, followed by 2 spontaneous miscarriages (both required curettage) and 1 late miscarriage at 19 weeks of pregnancy after premature rupture of membranes.

During the fertility study a partial uterine adhesion was suspected by hysterosalpingography (image1). Office hysteroscopy was performed confirming the finding of a 1.5cm thick left precornual uterine adhesion (image2). At the same time, the adhesion was removed by scissors (image3) solving the cavity alteration (image 4). The rest of uterine cavity was observed with no other pathological findings and both tubal ostiums were easily identified.



Image 2

The patient achieved an spontaneous pregnancy two months after surgery, ending with life newborn after preterm spontaneous rupture of membranes. Two years after, got pregnant again delivering a term life newborn.

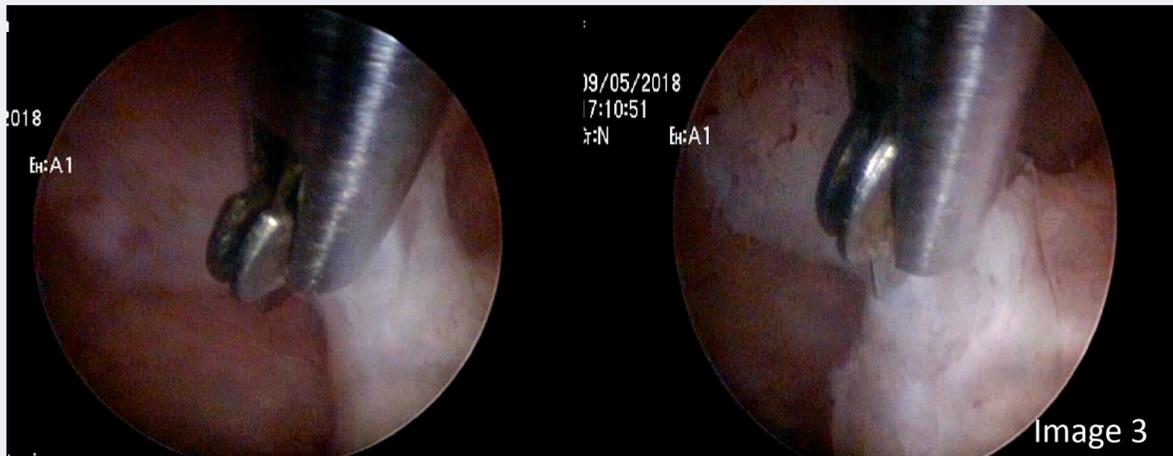


Image 3



Image 4

CONCLUSION

Diagnostic hysteroscopy is an accessible procedure which allows both diagnose and treat partially or totally uterine adhesions to improve spontaneous fertility as to achieve better obstetric outcomes after assisted reproductive techniques.

BIBLIOGRAFIA

- Salazar CA, Isaacson K, Morris S. A comprehensive review of Asherman's syndrome: causes, symptoms and treatment options. *Curr Opin Obstet Gynecol.* 2017 Aug;29(4):249-256. doi: 10.1097/GCO.0000000000000378. PMID: 28582327.
- Di Guardo F, Della Corte L, Vilos GA, Carugno J, Török P, Giampaolino P, Manchanda R, Vitale SG. Evaluation and treatment of infertile women with Asherman syndrome: an updated review focusing on the role of hysteroscopy. *Reprod Biomed Online.* 2020 Jul;41(1):55-61. doi: 10.1016/j.rbmo.2020.03.021. Epub 2020 Apr 28. PMID: 32444259.