

LIMITATIONS OF MYOSURE®: A CASE-REPORT OF FAILED REMOVAL OF UTERINE FIBROID

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INTRODUCTION

MyoSure® tissue removal procedure is a hysteroscopic treatment used basically for the removal of fibroids and polyps by using mechanical energy. Although it has proved to be an effective tool it has its limitations, as any other surgical procedure.

OBJECTIVE

The aim of this case report is to consider the cases where the use of MyoSure® technic could not be useful for the removal of certain fibroids.

METHODS

A 43-years-old woman was referred to gynaecology department due to long-term hypermenorrhea causing severe anaemia despite oral iron therapy. She had undergone two caesarean sections and had no other relevant medical history. After an initial evaluation, vaginal ultrasound revealed a submucosal fibroid in the uterus measuring 40x40mm (Figure 1). A hysteroscopic myomectomy was offered to the patient. Hysteroscopic laser enucleation of the submucosal fibroid was attempted in two occasions without achieving the complete resection because of the big size of the lesion. A second alternative was then proposed to the patient: a surgical hysteroscopy with MyoSure® tissue removal procedure.



RESULTS



Figure 2



Figure 3

During the procedure the fibroid was correctly identified as it occupied the whole endometrial cavity. However, it had considerably reduced its volume, measuring at the time 30x30mm. A partial laser enucleation was initially performed. Then, tissue removal with MyoSure® was attempted but it was ineffective as the fibroid had a hard consistency and could not be morcelated by the device. Finally, the patient opted for a laparoscopic hysterectomy, which was difficult due to endometriosis adhesions founded during the intervention. The patient made an uneventful recovery and is now asymptomatic. Final histological exam described a myoma inside the uterine cavity, 50x35x25mm-sized and with an endured consistency (Figure 2) (Figure 3).

CONCLUSIONS

- Submucosal myomas are frequent and can cause hypermenorrhea and anaemia
- MyoSure® tissue removal procedure can be a good alternative when hysteroscopic laser enucleation is difficult due to the size of a lesion (polyp or fibroid)
- However, consistency of the lesion must be taken into account, as it can be a cause of failure during the intervention.