

A Video Article: The Laparoscopic Uterine Artery Occlusion in Combination with Myomectomy for Uterine Myoma

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OBJECTIVE

The aim of this study is to illustrate the surgical method of myoma.

DESIGN

A surgical video demonstrated the technique with narrated video footage [Video 1].

SETTING

Currently, hysterectomy caused by myoma accounting for 39% of all hysterectomies annually in US.^[1] However, we design a novel method to preserve their uterus and decrease the recurrence rate according to a video report.

INTERVENTIONS

The important surgical process contained that we found that the uterine body was irregular enlargement with a 7.5 cm diameter intramural fibroid in the left anterior wall of the uterus. We chose the Cheng's triangle region between the external iliac blood vessels, the round ligament and the infundibulopelvic ligament as the operative approach [Figure 1]. We opened the peritoneum, exposed the ureter and the internal iliac artery, separated and occluded the uterine artery. The same procedures were performed at the other side. Last, we opened the myoma pseudocapsule and

completely exfoliated it. The article's ethical was approved by the Ethics Committee of Shanghai Tenth People's Hospital.

CONCLUSION

Our group demonstrated that compared with LM, mean blood loss was significantly lower in laparoscopic myomectomy (LM) + uterine artery occlusion (UAO), the

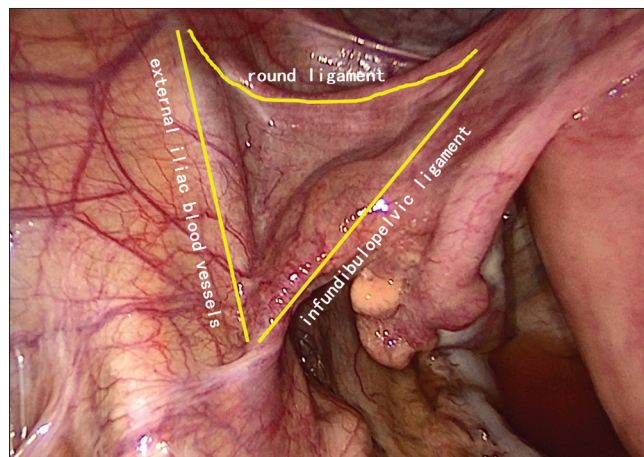


Figure 1: Cheng's triangle region is between the external iliac blood vessels, the round ligament and the infundibulopelvic ligament as the operative approach. <http://www.apagemit.com/page/video/show.aspx?num=265>

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recurrence rate was only 3%, and the complications did not increase significantly. The results suggested UAO + LM was superior to LM or UAE.^[2-4] To sum up, this method could be considered as cytoreduction, which treated myomas and reduce recurrence rate with cellular level.

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Conflicts of interest

Prof. Zhongping Cheng, an editorial board member at *Gynecology and Minimally Invasive Therapy*, had no role in the peer review process of or decision to publish this article. The other authors declared no conflicts of interest in writing this paper.

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