



Surgical Film

The way to display the chylous tubes and to prevent chylous leakage in laparoscopic para-aortic lymphadenectomy☆



Weijuan Xin, Keqin Hua, Jingxin Ding*

Department of Gynecology, The Obstetrics and Gynecology Hospital of Fudan University, 128 Shen-Yang Road, Shanghai 200090, PR China

HIGHLIGHTS

- Chylous leakage as an important complication after the abdominal operation
- Oral administration of sesame oil before operation displaying and clamping the chylous tubes well
- The method can prevent the chylous leakage.

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Abstract

Objective: Chylous leakage after abdominal operation is a complication which easily lead to malnutrition or immunosuppression and even cause death due to constant loss protein and lymphocytes. And in recent years, due to the use of electric scalpel, ultrasonic scalpel and other medical devices, the physical suture of lymphatic ducts has been neglected, resulting in an increase in the incidence of chylous leakage. This video shows the effective method for prevention of chylous leakage by displaying and clamping the chylous tubes in laparoscopic para-aortic lymphadenectomy.

Methods: A 29-year-old female was admitted for “Irregular uterine bleeding for 2 months”. Her pathological diagnosis of diagnostic curettage was complicated atypical hyperplasia of endometrium, partial grade 1 endometrioid carcinoma with local myometrium invasion. A

diameter of about 4.0 cm mass was showed by MRI in the uterine fundus endometrium. The binding zone and the myometrium were involved by the lump without breaking through the serous layer. There was no obvious enlargement of lymph nodes in pelvic cavity. The diagnosis was endometrial carcinoma staging IB. And she underwent laparoscopic total hysterectomy, bilateral salpingo-oophorectomy, pelvic, anterior-sacral and para-aortic lymphadenectomy. Firstly, oral administration of 100 ml sesame oil was given on the night before the operation. Then the chylous tubes were fully displayed during the operation, and the chylous tubes were completely clamped in laparoscopic para-aortic lymphadenectomy.

Result: After surgery, there was no chylous leakage, and the patient recovered well.

Conclusion: Oral administration of sesame oil before operation is feasible and effective to display the chylous tubes and to prevent the chylous leakage in laparoscopic para-aortic lymphadenectomy. The use of this technique is very sorely needed.

Conflict of interest statement

The authors declare that there are no conflicts of interest.

CRedit authorship contribution statement

Weijuan Xin: Writing - original draft. **Keqin Hua:** Writing - review & editing. **Jingxin Ding:** Writing - review & editing.

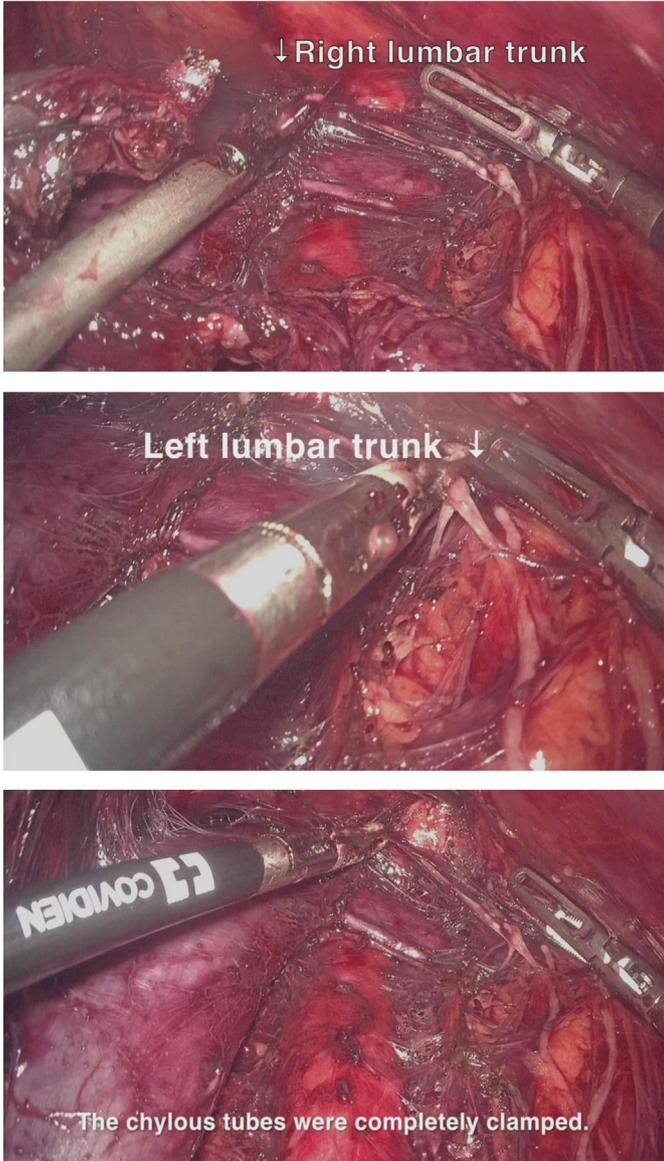
Appendix A. Supplementary data

Supplementary data to this article can be found online at <https://doi.org/10.1016/j.ygyno.2018.11.023>.

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* Corresponding author at: Department of Obstetrics and Gynecology, Obstetrics and Gynecology Hospital of Fudan University, Shanghai 200090, PR China.

E-mail address: djxdd@sina.com (J. Ding).



Video 1. A specimen after laterally extended endopelvic resection and right nephrectomy.