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Letter to Editor

Single-use electronic gastroscope-assisted mastectomy

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To the editor,

A 30-year-old male was admitted due to gynecomastia. With the consent of the patient, a single-use electronic gastroscope (Endofresh, Huizhou Xianzan Technology Co., Ltd., China) assisted mastectomy was performed under general anesthesia (Fig. 1A). First, inject saline into the patient's breast area to establish a surgical

space. Then make an incision at the patient's midaxillary line and place a trocar. The single-use endoscope was inserted into the subcutaneous space through the trocar hole. The endoscopic scissors (Vedkang, Jiangsu, China) was used to cut the cooper ligament and nipple (Fig. 1B and C). The endoscopic electric hemostatic forceps was used for hemostasis (Fig. 1D). Finally, the inverted mirror function was used to observe the trocar hole, confirming that there was no bleeding, and the surgery was successfully completed. The patient did not experience any postoperative complications such as bleeding and was discharged smoothly.

Our team published "Flexible endoscopy-assisted mastectomy: The first case report" in January 2023.¹ We introduced 6 advantages of flexible endoscope in mastectomy in the article. The single-use endoscopes also have these 6 advantages. Compared to the

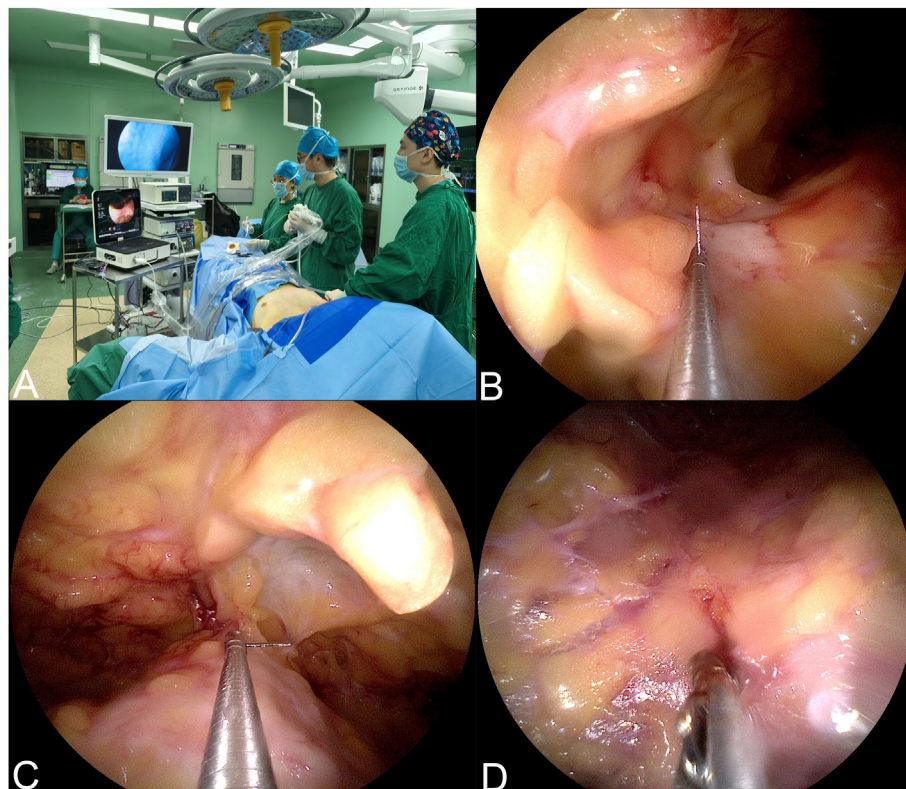


Fig. 1. (A) The single-use electronic gastroscope was used to mastectomy. (B) The endoscopic scissors was used to cut the cooper ligament. (C) The endoscopic scissors was used to cut the nipple. (D) The endoscopic electric hemostatic forceps was used for hemostasis.

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traditional gastroscope for surgical procedures, single-use gastroscope has the following two advantages²:

- (1) The endoscopic mirror body is simple to connect with the optical cable, and it can be used by inserting the optical cable plug on the operating table, which is easier to install the sterile protective sleeve than the traditional gastroscope;
- (2) For patients with infectious diseases (such as syphilis, AIDS, etc.), the single-use electronic gastroscope can reduce the risk of infection and cross-infection of endoscope washers.

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