Video Article

Cervical conization with endoCUT mode applying gastrointestinal endoscopic polypectomy technique

Masato Tamate, MD, PhD, Motoki Matsuura MD, PhD, Tsuyoshi Saito, MD, PhD

Department of Obstetrics and Gynecology, Sapporo Medical University Hospital, Sapporo, Hokkaido, Japan

Running head: Cervical conization with endoCUT mode

Received: 2023.02.27. Revised: 2023.04.25. Accepted: 2023.06.09.

Corresponding author: Masato Tamate, MD, PhD

Department of Obstetrics and Gynecology, Sapporo Medical University Hospital, Chuo Ward, Sapporo, Hokkaido 060-8543, Japan

E-mail: mtamate@sapmed.ac.jp

https://orcid.org/0000-0003-1447-9297
Abstract

Objective

To show how endoCUT (COMPANY, CITY, STATE, COUNTRY) mode can be safely managed with cervical conization.

Methods

Demonstration of the technique and explanation of endoCUT and soft coagulation mode with narrated video footage. Cervical conization is a therapeutic and diagnostic procedure performed for the diagnosis of cervical intraepithelial lesions and cervical cancer. Specific methods include cold scalpel, ultrasonically activated device and laser, and loop electrosurgical excision procedure (LEEP), which involves transpiration and partial excision. The endoCUT mode and soft coagulation in VIO3 (COMPANY, CITY, STATE, COUNTRY) were used to perform cervical conical resection safely and at low cost (Fig. 1). The endoCUT mode was originally developed for polypectomy in gastrointestinal endoscopy, where no counter traction can be applied [1,2].

Results

The endoCUT mode approach to cervical conization with several key strategies to minimize blood loss and ensure safety: 1) incisions can be made in close contact; 2) resection can be performed with minimal contact with the lesion; 3) control of bleeding from the resected transection by soft coagulation; and 4) low running cost of endoCUT mode.
Conclusion

Conventionally, cervical conical resection has been performed by using a device capable of making a close incision (cold scalpel, ultrasonically activated device and laser, and LEEP etc.), but there have been issues with bleeding control and cost. Here, we present a new technique using the endoCUT mode and several strategies for safe and effective resection.

Keywords: endoCUT; Conization

Conflict of interest

No potential conflict of interest relevant to this article was reported.

Ethical approval

Patient consent

Funding information
Video clip

Demonstration of the technique and explanation of endoCUT and soft coagulation mode.

The video can be found with this article online at https://17.gigafile.nu/1219-mf9840e9115cac4f1222e1e50caf689a5.

References
