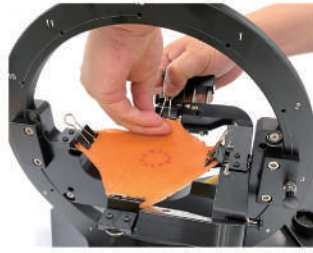


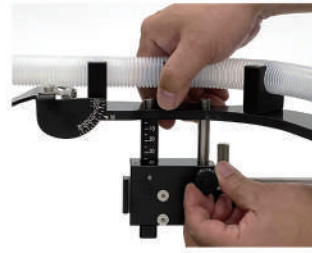
DIRECTIONS FOR USE



Mark with an electrocautery electrode, and emphasize the marked area with a water-based pen.



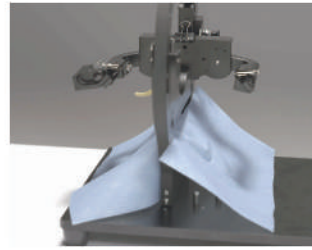
Place the Mucosa Holding Arms L and R to the SET position and fix the VTT Mucosa Type with the four clips.



Adjust each part according to the desired gastric site, using the Setting Sheet.



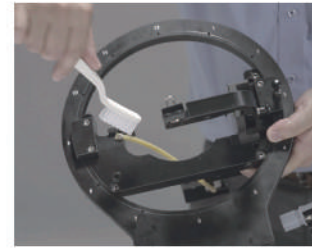
Connect the VTT Mucosa Type and the electrocautery electrode using the included antipode cable.



To prevent mess by the VTT Injection Solution, cover with a cloth cut to an appropriate size. This will make it easier to clean after training.



Execute the training. Please dispose the used VTT Mucosa Type as a general waste.



Use the included brush and clean by rinsing it with water or wiping it off.

ATTENTION

VTT Injection Solution left on the main unit may harden and cause breakage.

PRODUCT SPECIFICATIONS

Product Name	G-Master	Size	W 635 x D 300 x H 310 mm
Product Number	GM0001	Weight	Approx. 7.5 kg
JAN Code	4562480971066	Carton Size	W 750 x D 410 x H 430 mm
Price	Estimate required	Carton Weight	Approx. 11.1kg

To purchase consumables, please contact the distributor where you purchased the G-Master.



VTT MUCOSA TYPE



VTT INJECTION SOLUTION



ANTIPODE CABLE FOR VTT

KOTOBUKI
Medical

U R L : kotobukimedical.com/en/
M a i l : info@kotobukimedical.com
Company: KOTOBUKI Medical Inc.

190-2 Ukizuka, Yashio-shi, Saitama 3400835 Japan Tel: +81 (0)48 951 5211



Proudly developed in Japan
by National Cancer Center East Hospital
and KOTOBUKI Medical Inc.



MEET OUR INNOVATIVE ESD TRAINING SYSTEM



ESD Training System

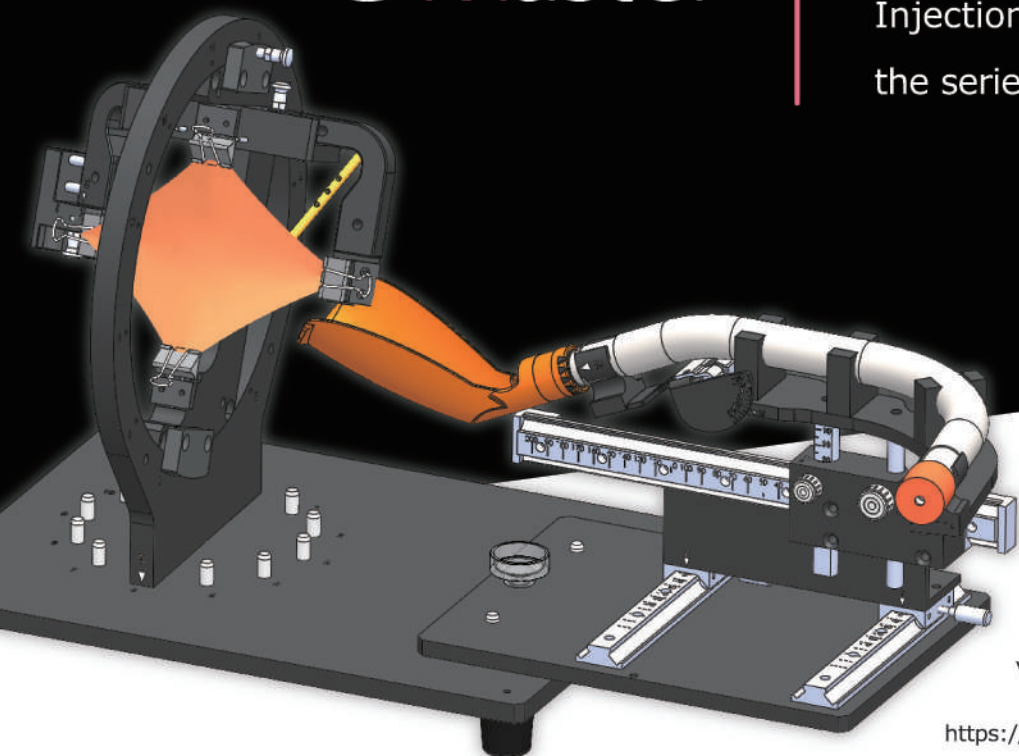
G-Master



Completely animal nor cadaver free. You' ll be a witness to an amazingly realistic ESD training system.



ESD Training System G-Master



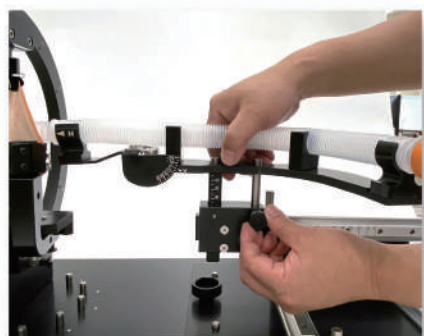
"G-Master" is a product designed to effectively learn the sequence of endoscopic submucosal dissection (ESD) of the gastric in a way that is very close to real-life clinical practice. A completely new and innovative ESD training system has been developed in collaboration with KOTOBUKI Medical Inc. and the National Cancer Center Hospital East from Japan.

By setting plant-derived simulated organ for surgical training, VTT (Versatile Training Tissue) Mucosa Type and using VTT Injection Solution, "G-Master" , which can accurately and flexibly reproduce typical gastric cancer sites, can be used to train the series of steps from injection, incision, and dissection in a manner similar to clinical practice.

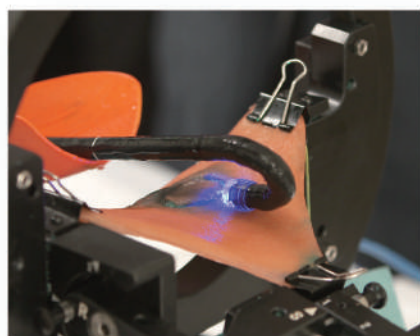


Videos on how to use and set up are available on the web and via QR code.
<https://kotobukimedical.com/esd-training/G-master>

3 features of G-Master



Adjustment mechanism that can **accurately reproduce typical gastric cancer sites** (also reproduces the loosening of gastric wall during degassing)



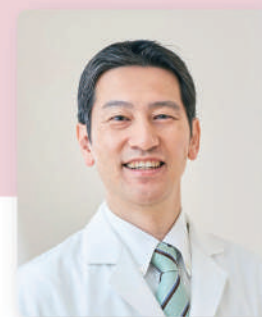
By only reproducing the necessary portions of the gastric wall, **the movement of the endoscope can be clearly seen from the outside.**



The **VTT Mucosa Type** that reproduces the gastric wall is derived from edible plants. It is hygienic and **can be used in any training location and be disposed of as general waste** after training.



国立がん研究センター
東病院
National Cancer Center Hospital East



Tomonori YANO
Chief, Department of Gastroenterology and Endoscopy

The National Cancer Center Hospital East staff and members spent much time recreating various gastric parts in developing the G-Master. As a result of trial and error, we have created a perfect product that already incorporates ESD treatment strategies of the National Cancer Center Hospital East.

The concept of the newly developed G-Master is reproducibility. The G-Master can reproduce various gastric parts, which was impossible with conventional animal models or non-animal models made of plastic or silicone, making it a good training model for beginners and intermediate users.



Yusuke YODA
Assistant Chief, Department of Gastroenterology and Endoscopy

Both doctors and patients need to increase the learning curve slope in a limited number of cases. By being able to recreate and practice the part of the patient to be treated beforehand and reviewing the results after the surgery, the learning curve for a single case can be expected to increase significantly.

The National Cancer Center Hospital East has a vast number of gastric ESD cases. However, there may be a gap of time in facilities with a small number of cases. We believe that regular training with the G-Master effectively ensures that the acquired skills are not forgotten even when there is no actual ESD surgery.



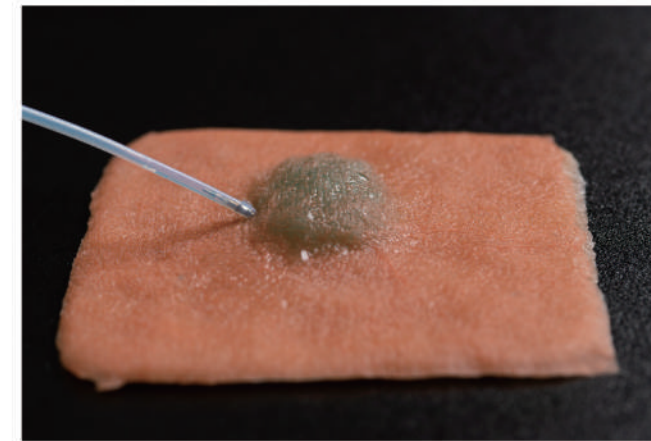
Hironori SUNAKAWA
Chief resident, Department of Gastroenterology and Endoscopy

There is an impression that we have created a model of what it would be like to have such a product to improve ESD techniques—training with the G-Master before the actual surgery is expected to provide smoother and safer treatment for patients.

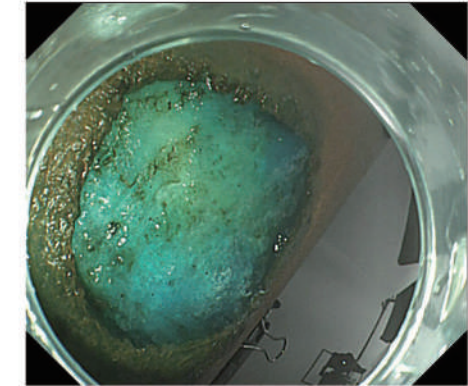
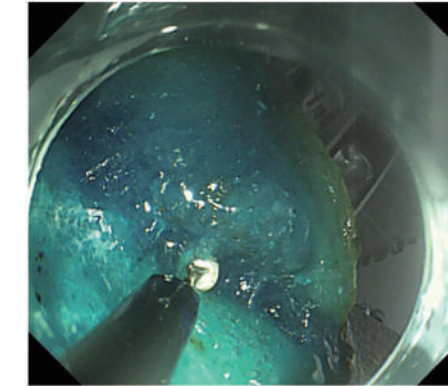
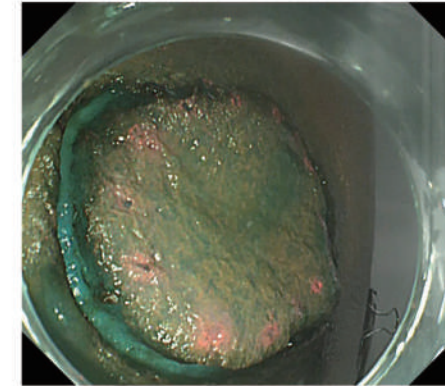
Since G-Master is a product that can be used to train gastric ESD at any time and place, we recommend that beginners use it. I hope that people like me, who have some experience in ESD but still have difficulties in some areas, will use it for preoperative simulation and training.



Tomohiro MITSUI
Chief resident, Department of Gastroenterology and Endoscopy



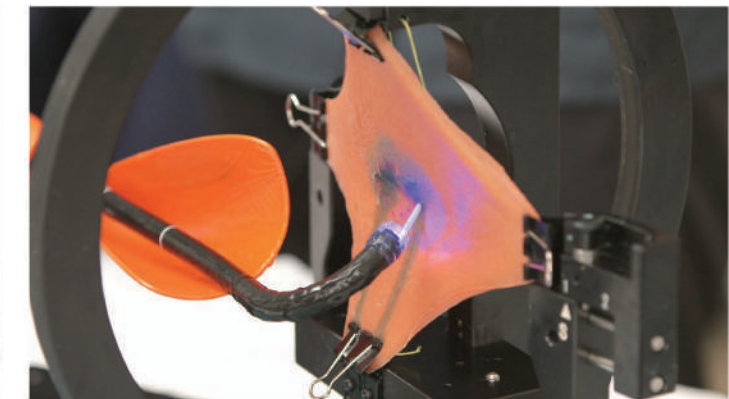
VTT MUCOSA TYPE has a three-layered structure which is formed of the mucosa, submucosa, and muscularis. With this VTT model, you can train mostly the whole procedure of ESD. This VTT model doesn't make scorching damage on the tip of a scalpel. VTT MUCOSA TYPE provides you a clean and easy ESD training method.



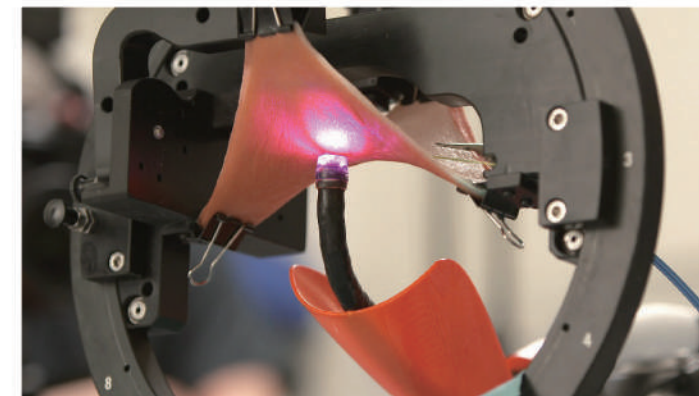
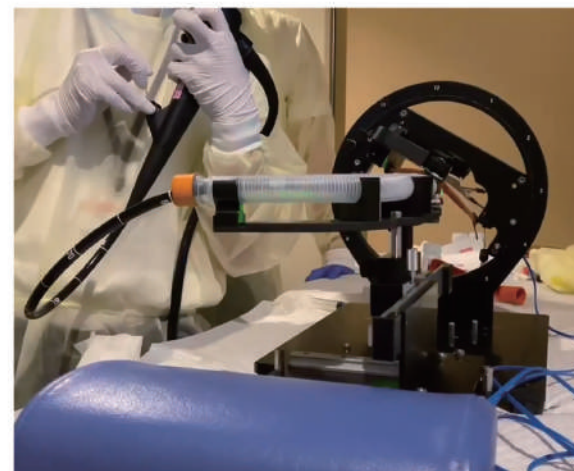
This is what it looks like when you inject the VTT INJECTION SOLUTION to the VTT MUCOSA TYPE, and doing the procedure of incision, and dissection of ESD.



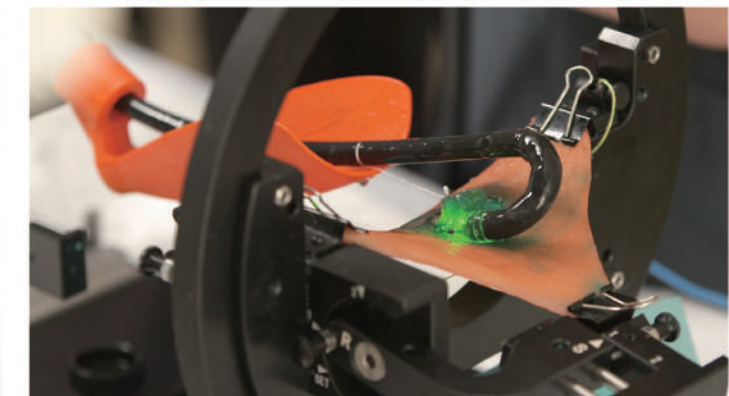
Effective training for the sequence of gastric ESD in a way that is very close to real-life clinical practice.



Setting of the anterior wall of the middle body



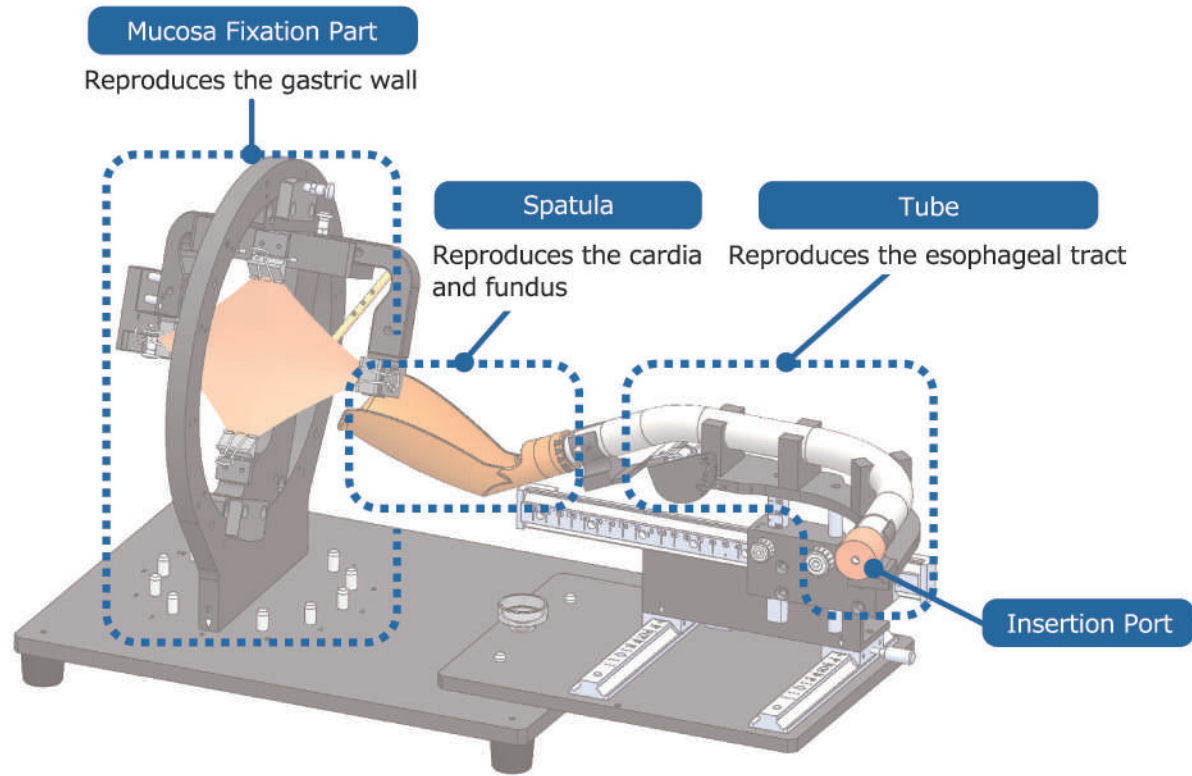
Setting of the gastric angulus



Setting of the greater curvature of the middle body

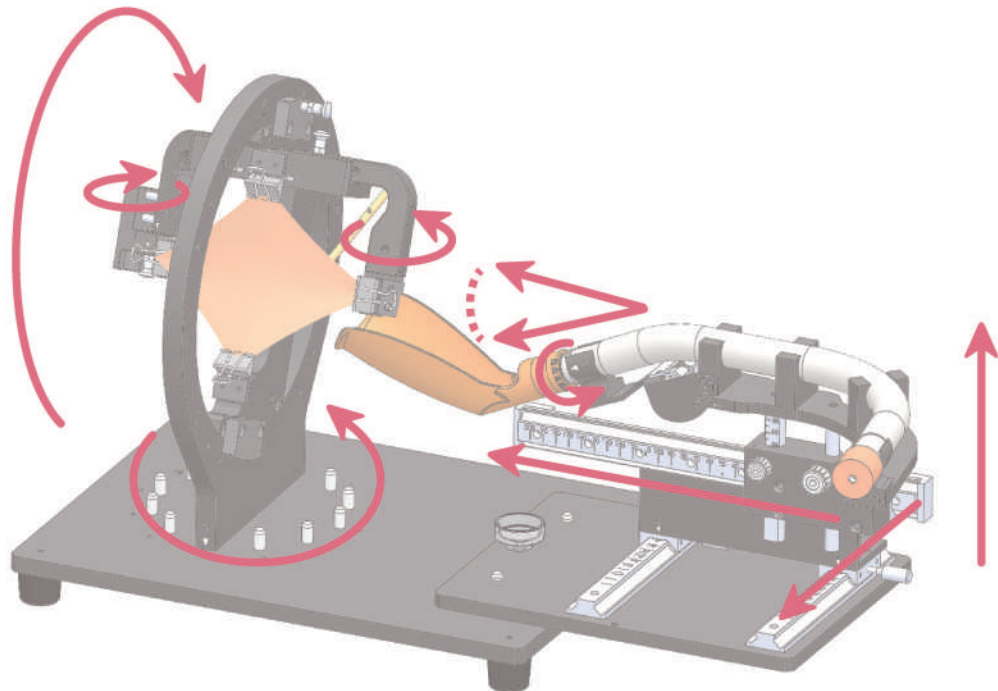
STRUCTURE

Two types of degassing (air volume control) functions and ridge reproduction function are included.
The spatula can be removed.



MOVABLE PARTS

Various adjustment mechanisms reproduce various parts of the gastric.



What is VTT (Versatile Training Tissue)?

—Innovative simulated organ, shaping future of surgical training developed by KOTOBUKI Medical Inc.

VTT (Versatile Training Tissue) is made of Konjac potato, a Japanese traditional food. The elasticity, strength and texture have similar qualities to actual organs. It has special characteristics which allows for long term storage at room temperatures. **VTT** is cost efficient with easy and safe disposal as same as general waste.

