In recent years, the efficacy of endoscopic full-thickness resection for submucosal tumors has been reported [1, 2]. However, a reliable closure method for large full-thickness defects in the stomach remains unclarified. We developed the reopenable clip over line method for closing the mucosal defect after endoscopic submucosal dissection using reopenable clips and a line placed at the muscle layer and edge of the mucosal defect [3–5]. We report a new method of this type of closure of a 25-mm full-thickness defect in a porcine model (▶ Video 1).

The reopenable clip over line method is a defect closure method using a reopenable clip (Sureclip, 8mm; Micro-Tech Co., Ltd., Nanjing, China) and a line (nylon line, 0.22mm).

First, a 25-mm defect was created in the middle part of a porcine stomach (▶ Fig.1). A reopenable clip with an attached line was passed through the accessory channel and placed to grip the seromuscular layer and mucosa. Next, a line was inserted through a hole in the reopenable clip and then through the accessory channel. Thereafter, threaded a reopenable clip was placed over the line to grasp the seromuscular layer and mucosa. Additional threaded reopenable clips were repeatedly placed for the contralateral seromuscular layer and mucosa, and the defect was completely closed when the line was pulled by hand. The full-thickness defect closure time was 22 min with 20 reopenable clips. Finally, a modified locking-clip technique was used to fix the line to the normal mucosa and cut it [5]. The macroscopic view of the stomach from the serous side revealed closure of the distal defect between the serosa and of the proximal defect between the muscular layers.

The reopenable clip over line method can close a full-thickness gastric defect. By placing the reopenable clip from the distal side of the stomach to grasp the seromuscular layer and mucosa, partial serosa closure was possible.

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**Competing interests**

The authors declare that they have no conflict of interest.
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Video 1 Reopenable clip over line method for a 25-mm full-thickness gastric defect.