

# 부경 내과 집담회

**A gastric subepithelial tumor  
treated with endoscopic resection**

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김수진



# F/54

## ➤ Chief complaint

Gastric Subepithelial Tumor

## ➤ Present illness

특이 병력 없는 분으로  
국가 암검진 상부내시경에서  
위체부 전벽에 3cm 가량의 gastric SET 확인되어  
의뢰됨  
이전 상부내시경은 7년 전으로 이상 없었다고 들음

# History

➤ **Past Hx.**

DM/HTN/TB/Hepatitis (-/-/-/-)

➤ **Social Hx.**

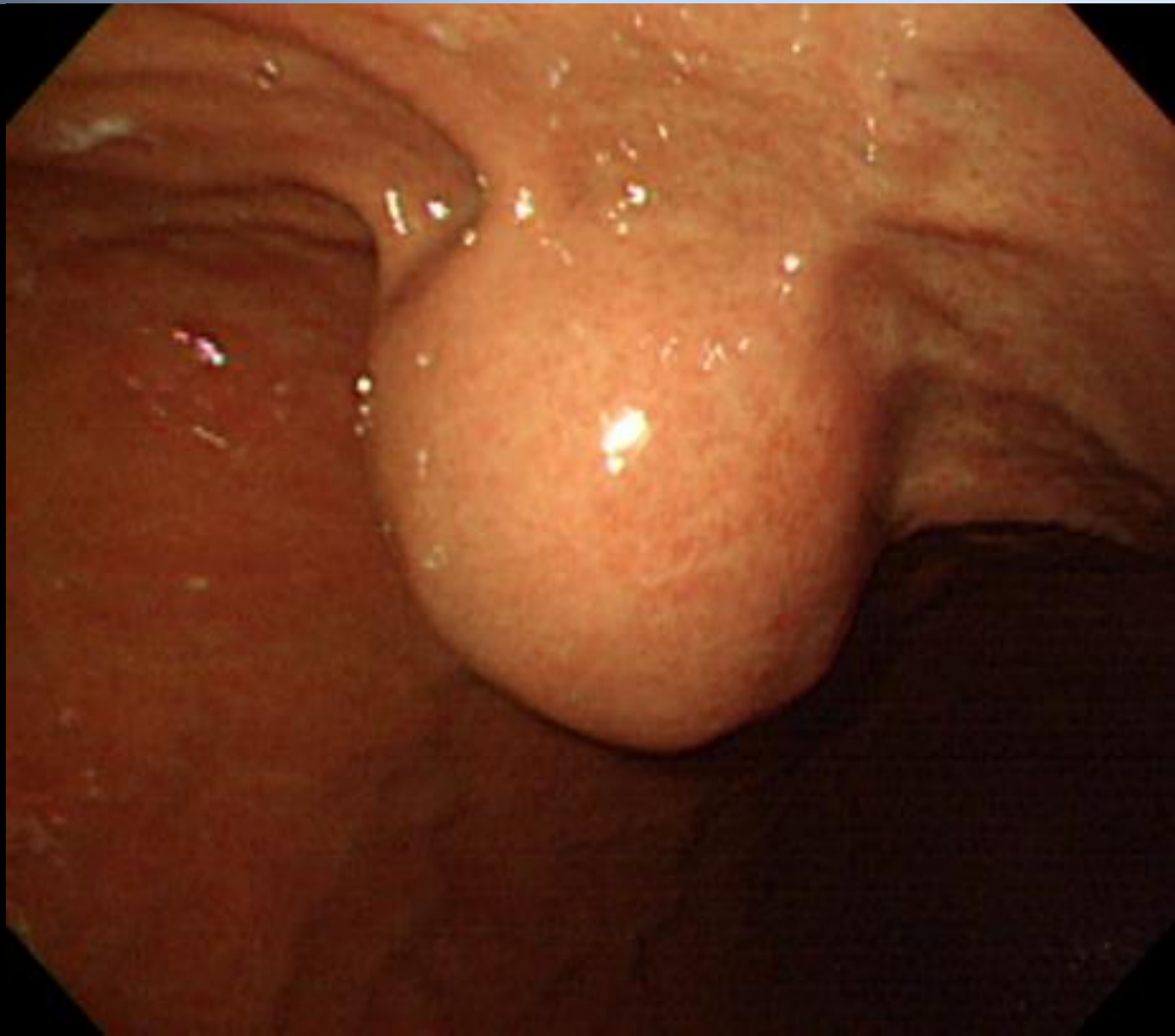
Alcohol/ Smoking : (-/-)

➤ **Op. Hx.** none

➤ **ROS:** abdominal pain (-)

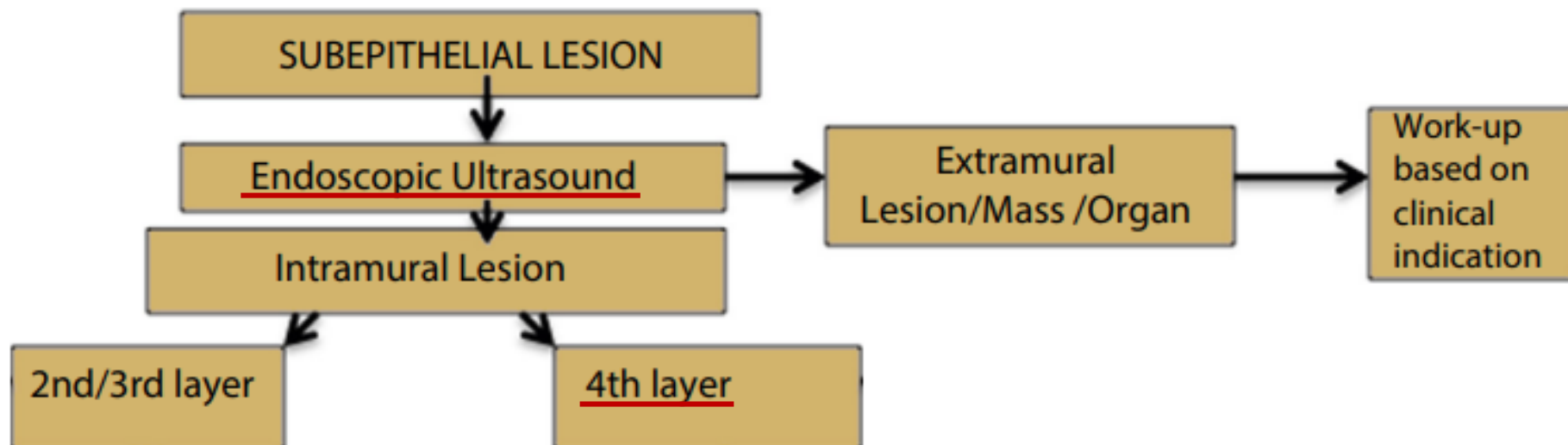
➤ **P/E:** no palpable mass or LN

2021년 7월 5일 타원 EGD



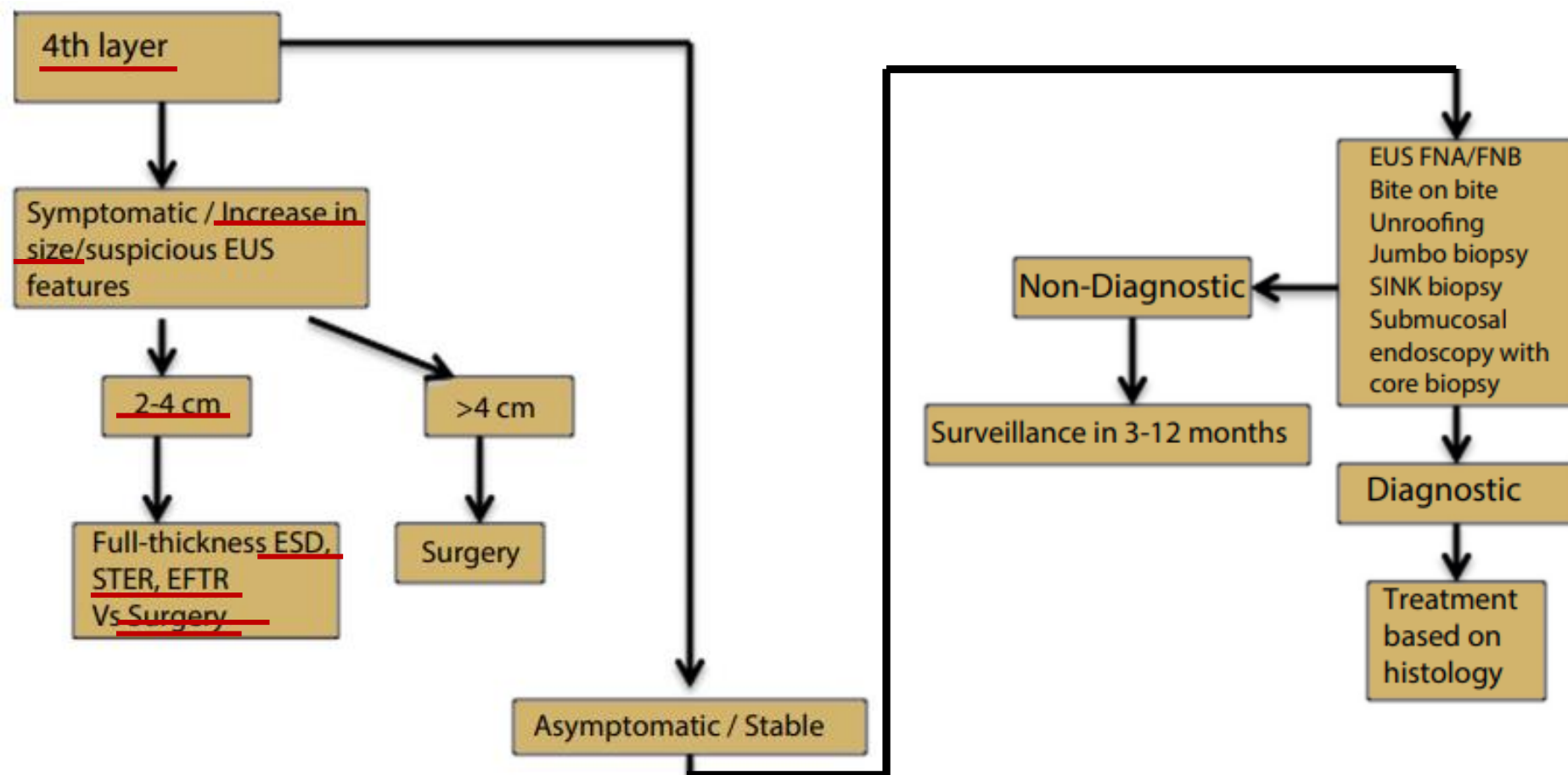
## The role of endoscopy in subepithelial lesions of the GI tract

Volume 85, No. 6 : 2017 GASTROINTESTINAL ENDOSCOPY

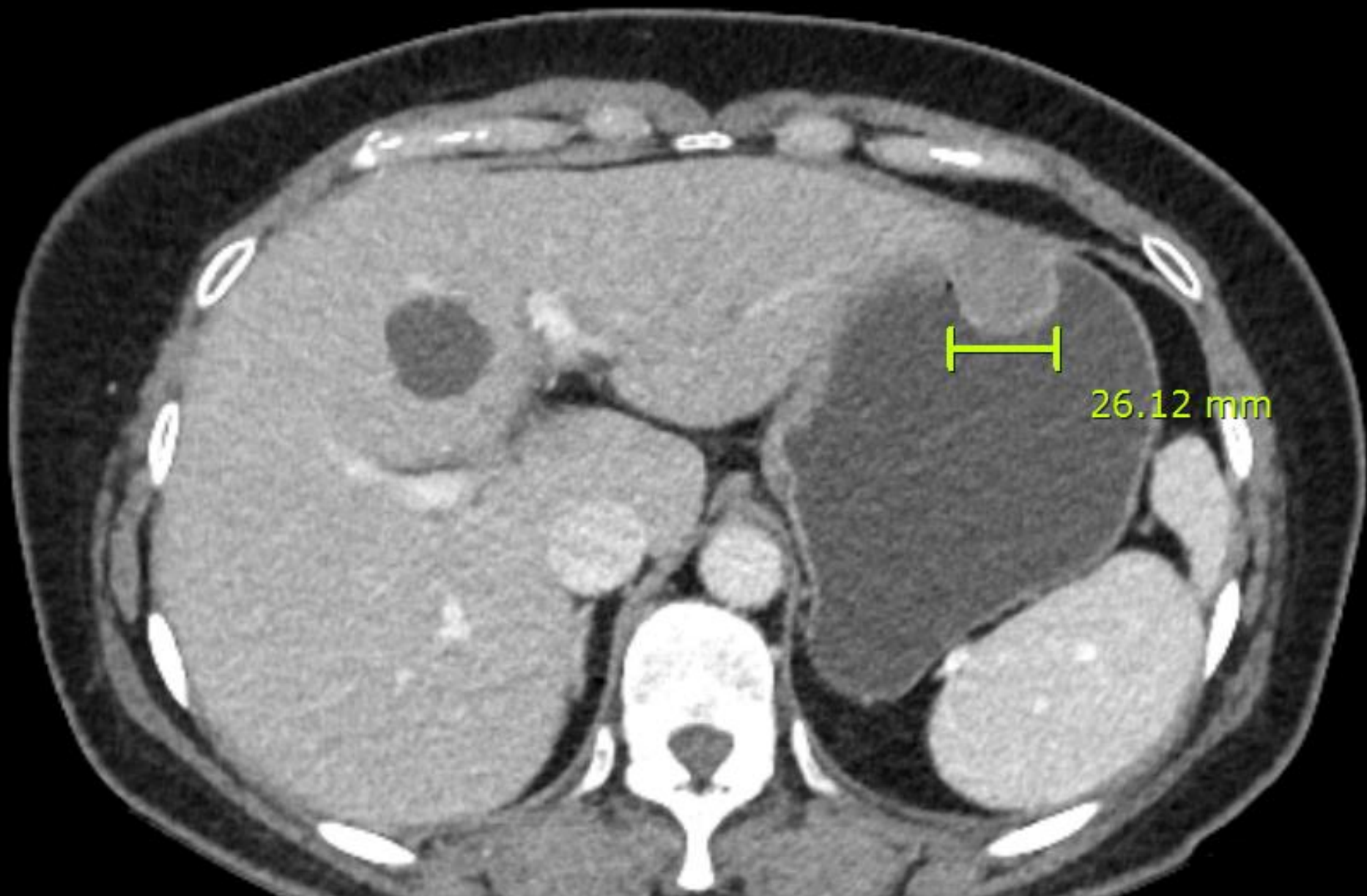


## The role of endoscopy in subepithelial lesions of the GI tract

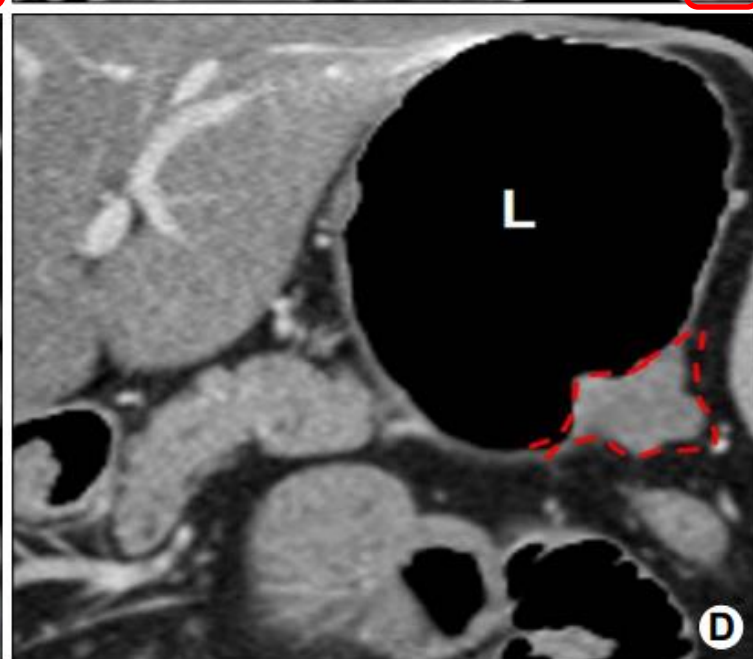
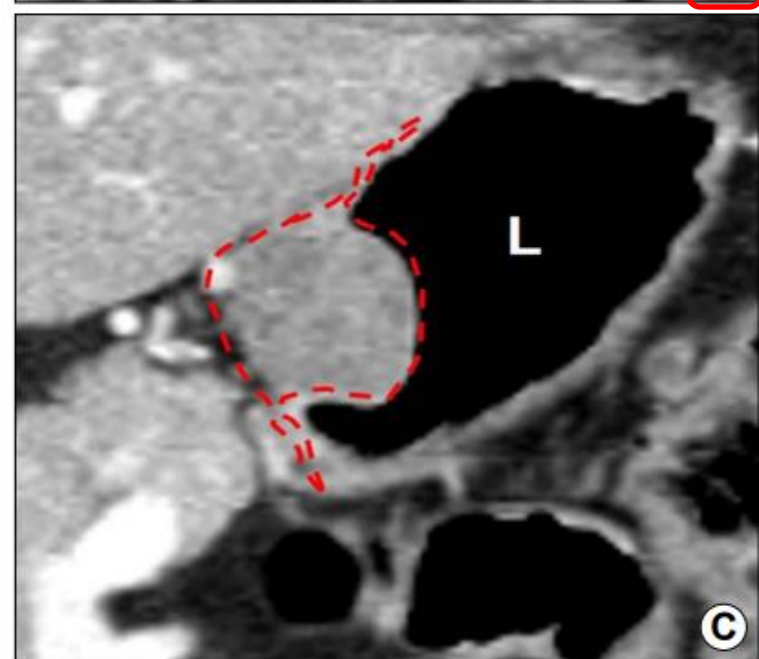
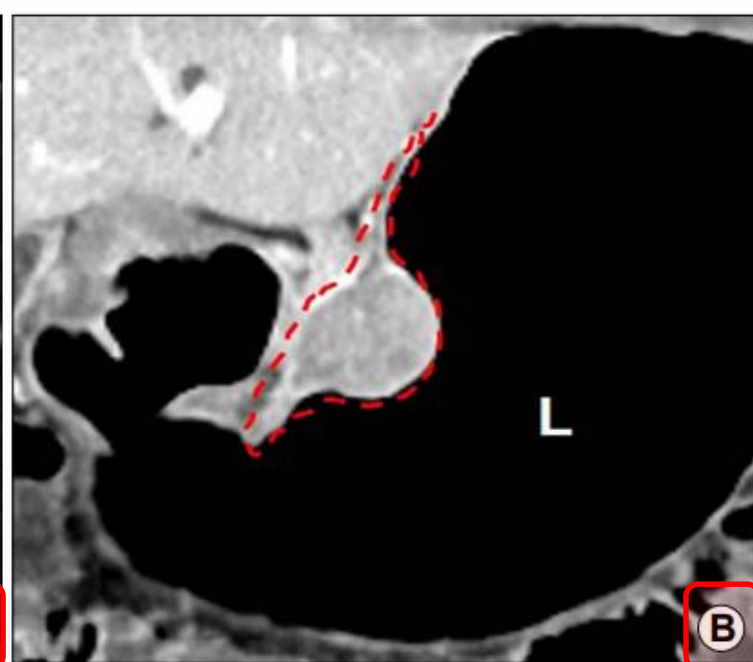
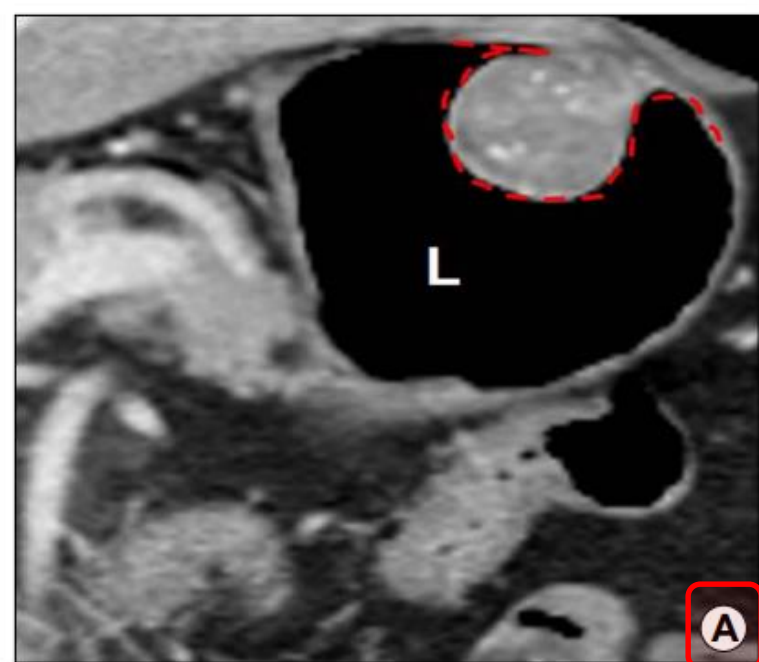
Volume 85, No. 6 : 2017 GASTROINTESTINAL ENDOSCOPY







1. Well defined round homogenous enhancing mass at the anterior wall of stomach upper body (2.6cm)  
Intact overlying mucosa  
=> GIST

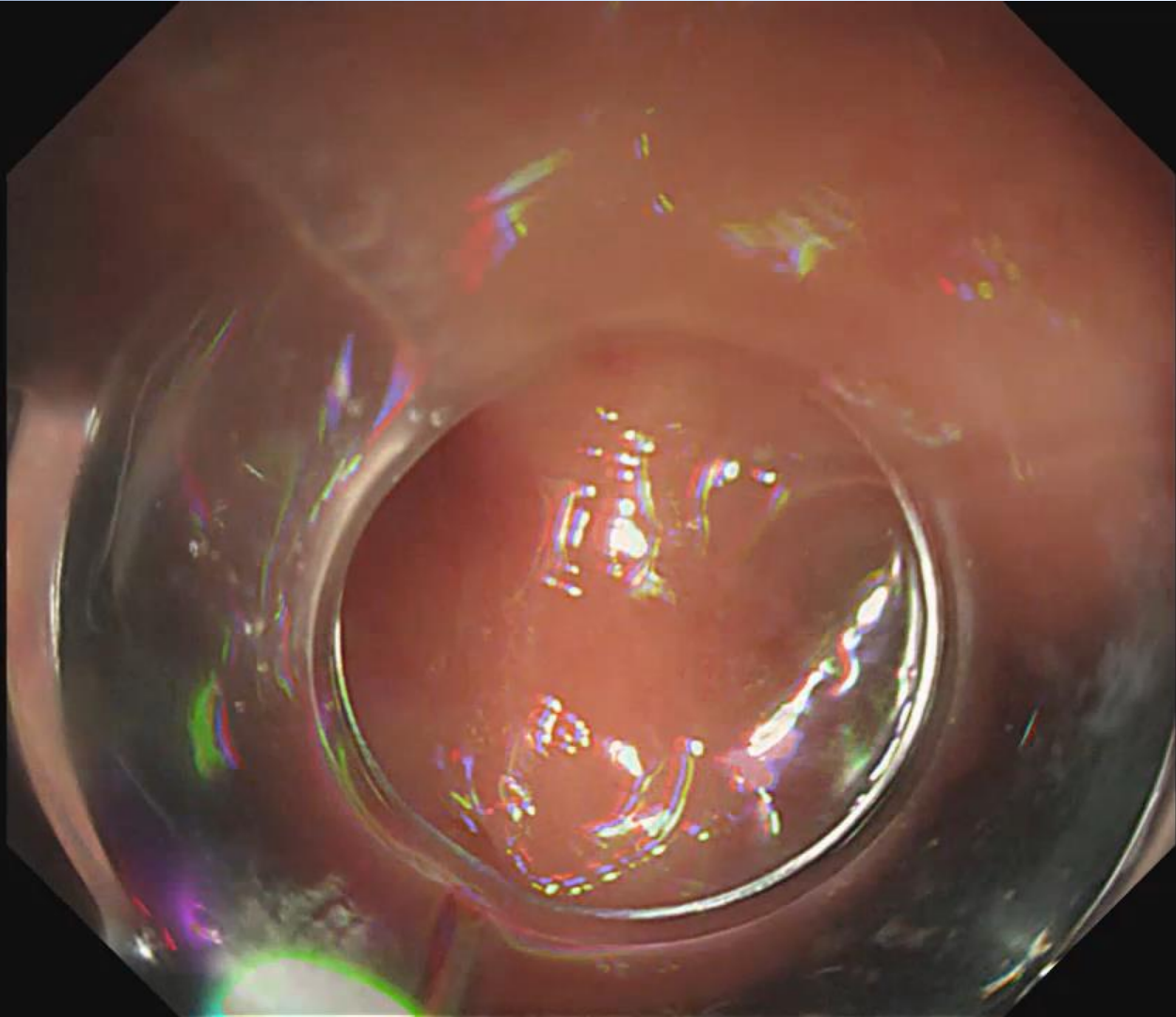




# ESD – injection & precut

**Endo-Upex™** - Onestep ESD Knife

Insulation Ball Tip



# ESD – submucosal dissection (anal side)

UPEX MED Onestep ESD Knife

Knife position



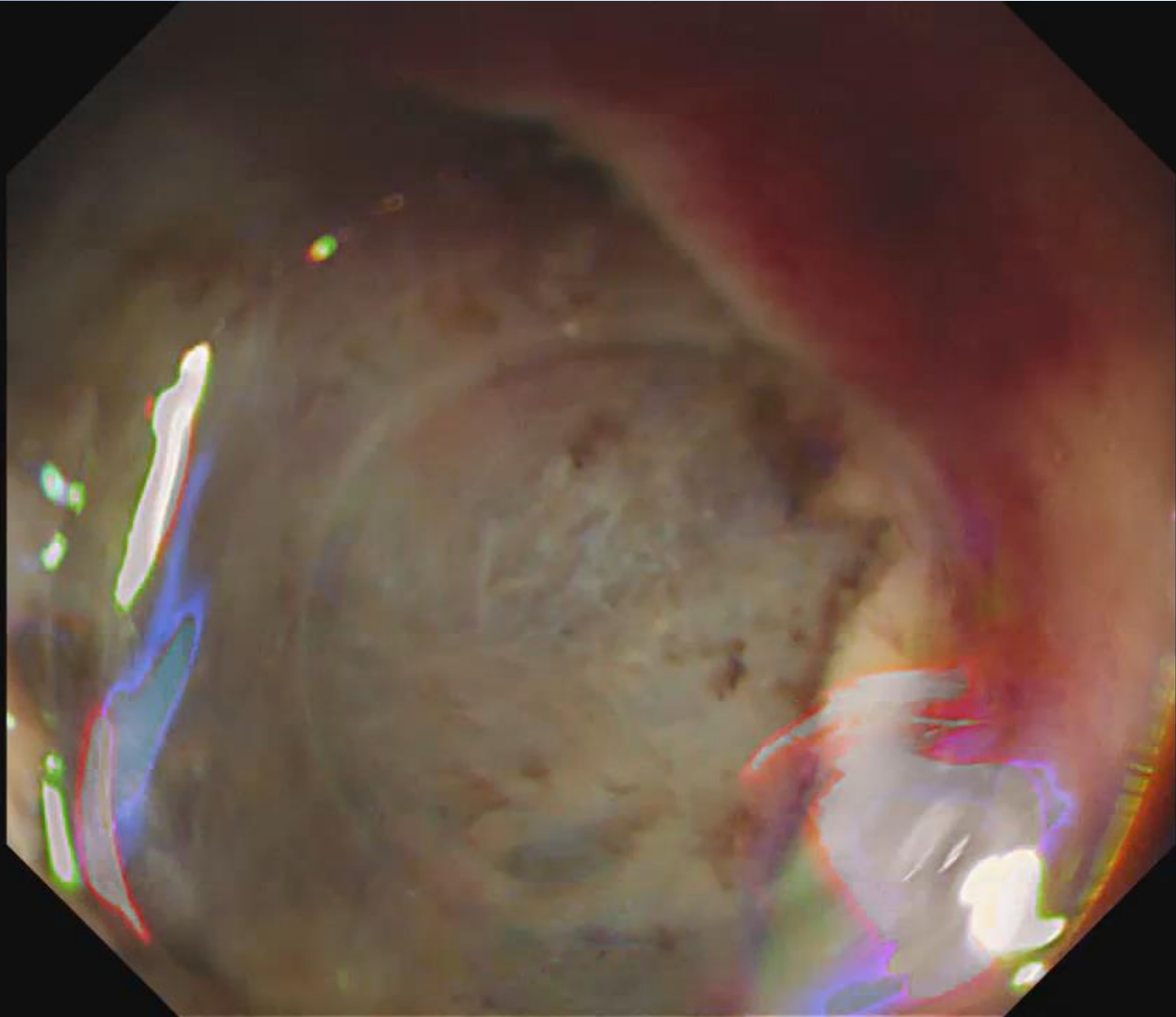
UPEX MED Onestep ESD Knife

Injection position



UPEX MED Onestep ESD Knife

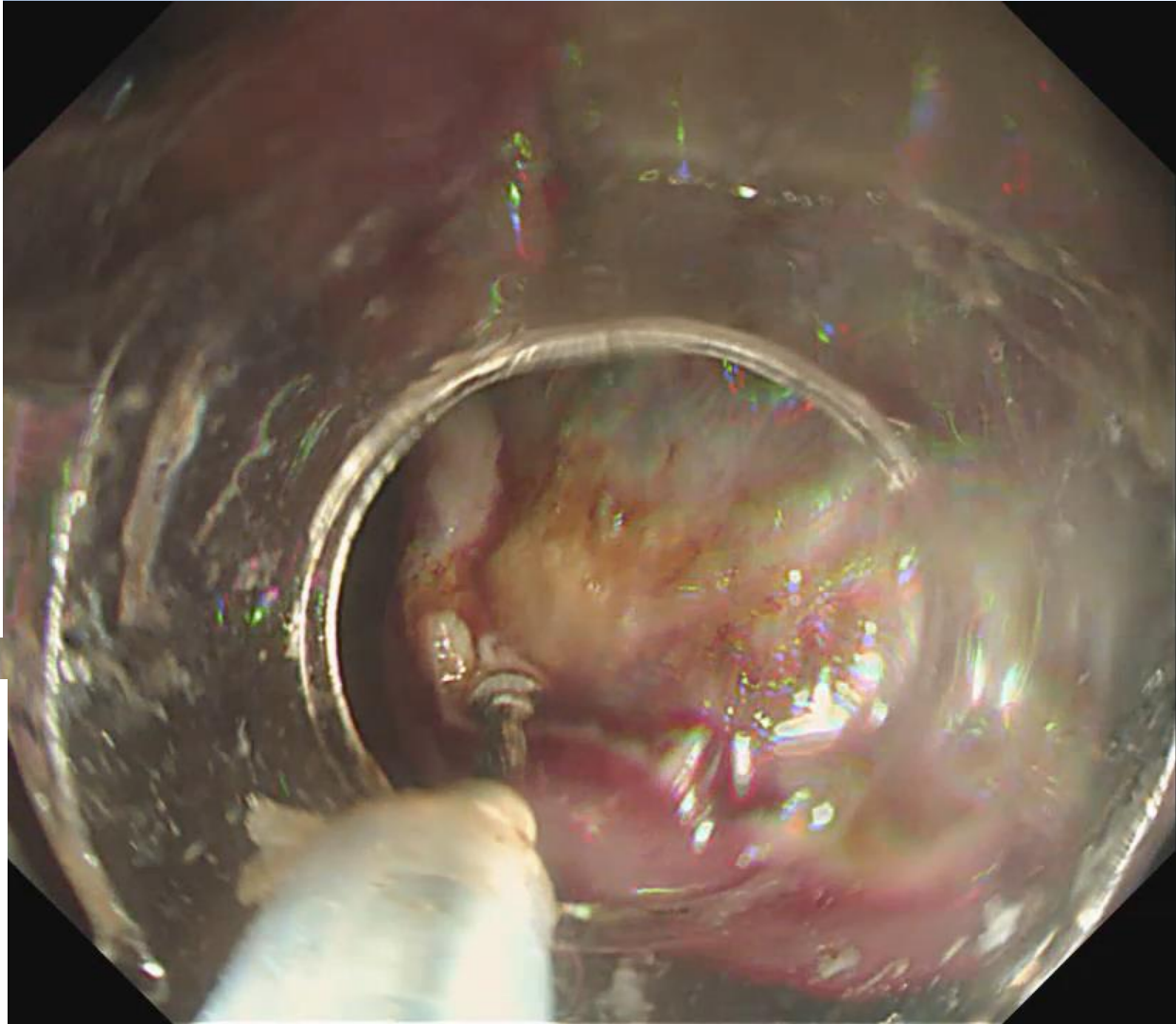
Neutral position



# ESD - submucosal dissection (oral side)

Small-caliber-tip Transparent (ST) hood

DH-28GR





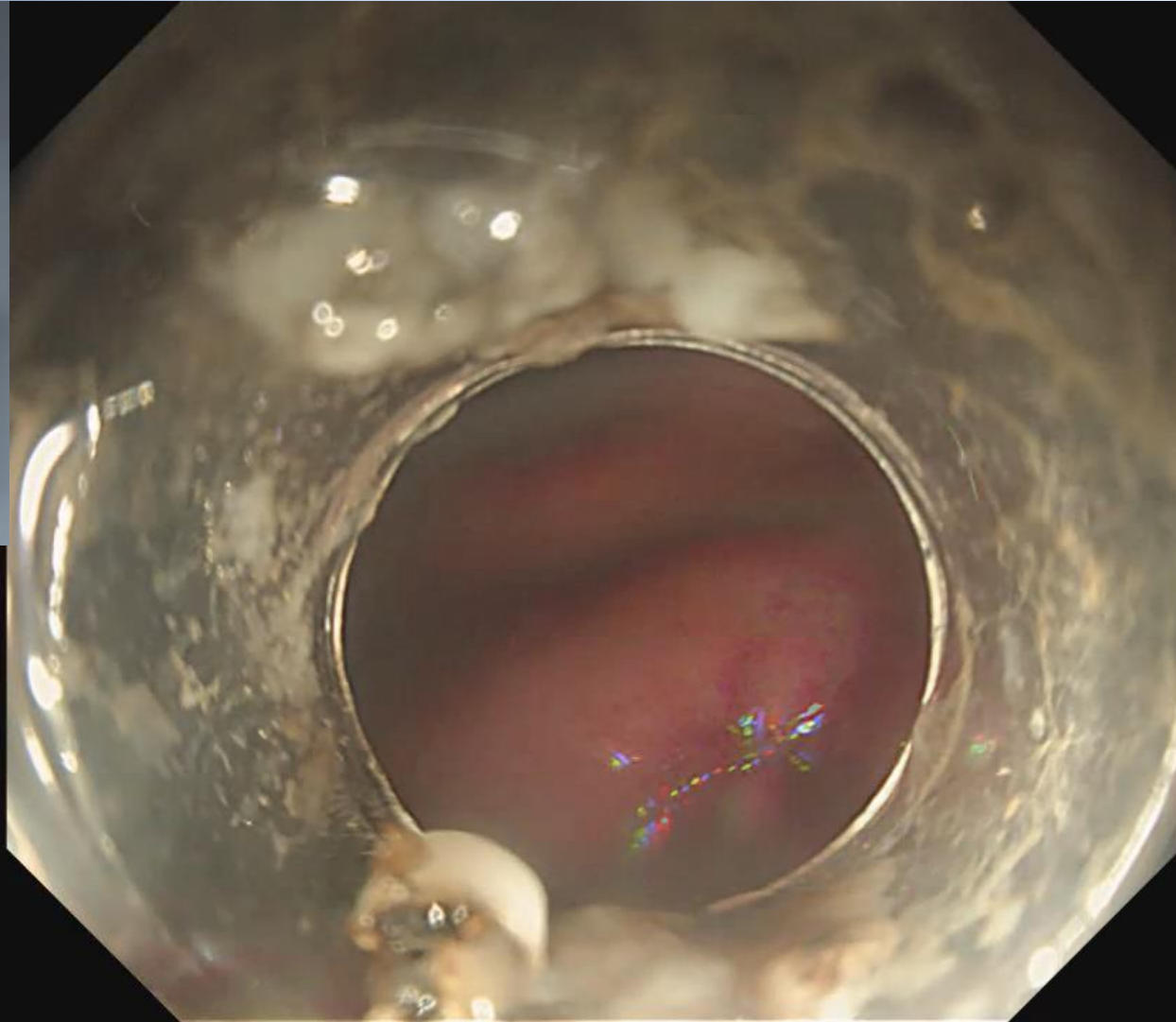
# ESD – perforation

Intelligent CO2 Insufflation System  
Olympus, Pentax, Fujinon, Storz. etc



Scope size: 10.2/9.9  
Channel: 2.8  
Serial No.: 2858600

SW1: Freeze  
SW2: NBI  
SW3: IRI  
SW4: Zoom  
SW5: Dual Focus



# ESD – clipping

ID:

Name:

Sex: Age:

D.O.B.:

11/09/2021

09:54:53

■■■/---(0/1)

Eh:A3 Ce:0

Comment:

GIF-HQ290

Scope size: 10.2/9.9

Channel: 2.8

Serial No.: 2858600

SW1: Freeze

SW2: NBI

SW3: IRI

SW4: Zoom

SW5: Dual Focus





# ESD – complete resection

ID:

Name:

Sex: Age:

D.O.B.:

11/09/2021

10:03:17

■■■/---(0/1)

Eh:A3 Ce:0

Comment:

GIF-HQ290

Scope size: 10.2/9.9

Channel: 2.8

Serial No.: 2858600

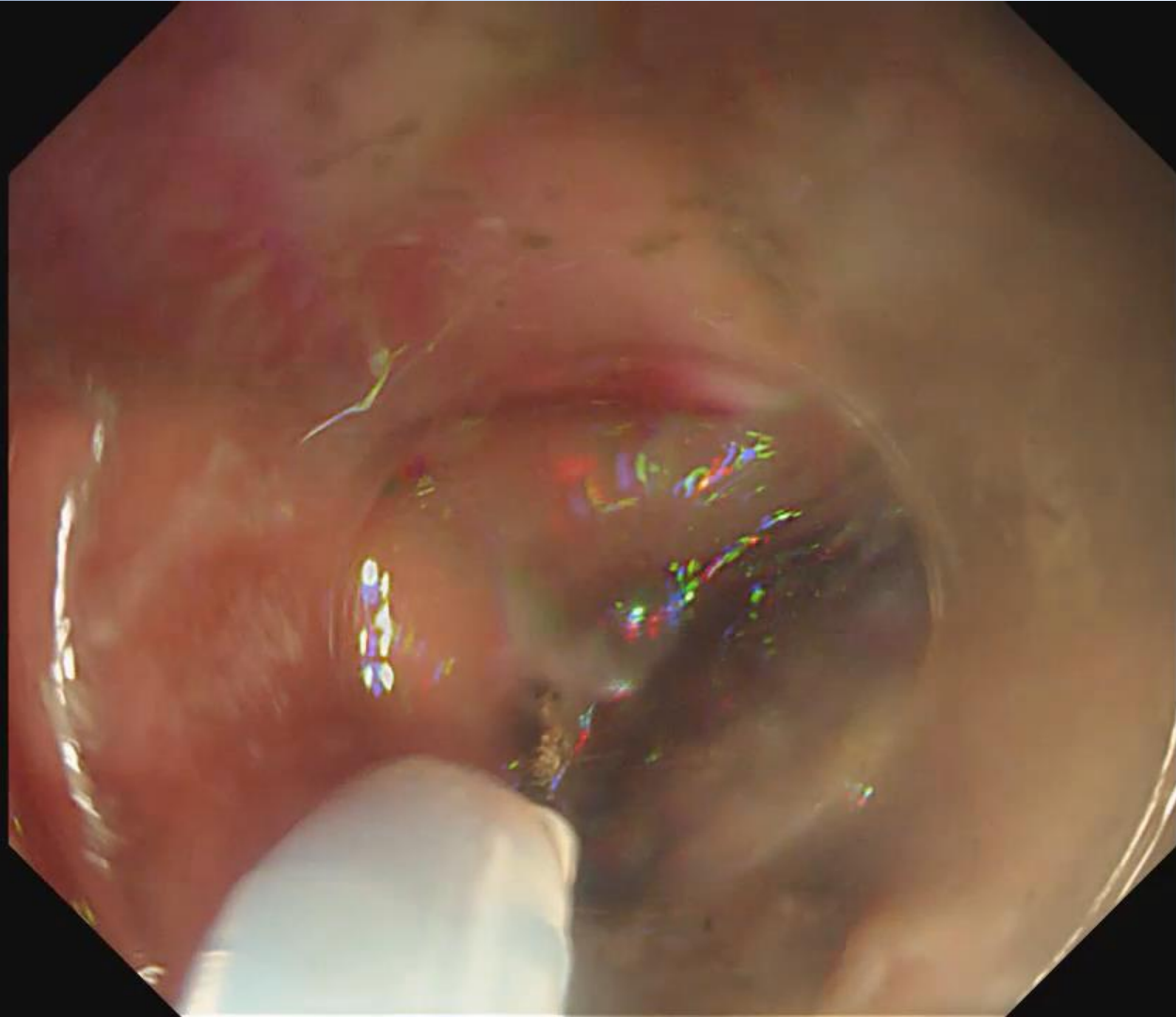
SW1: Freeze

SW2: NBI

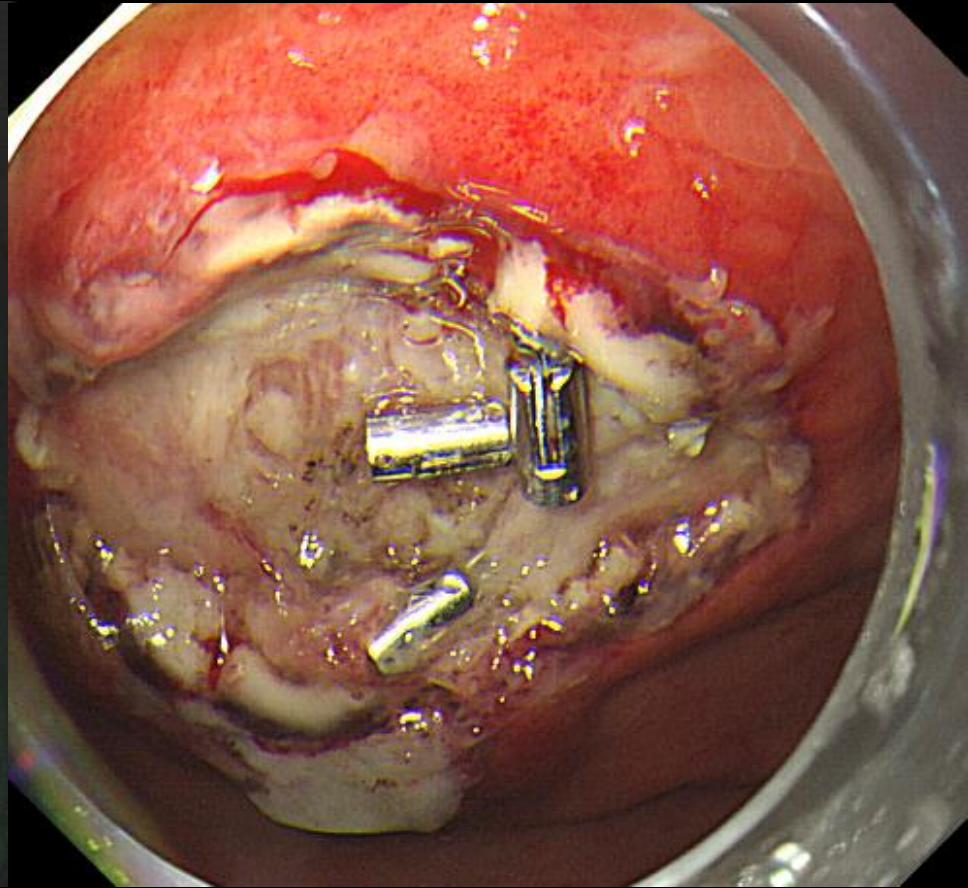
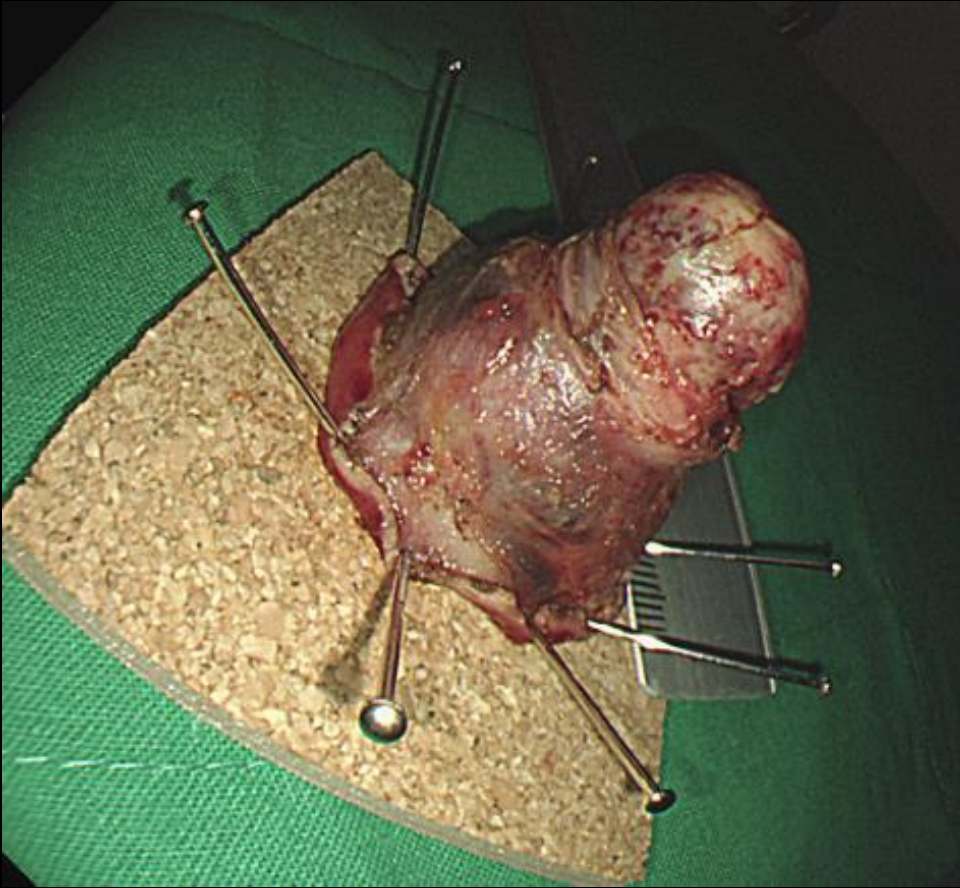
SW3: IRI

SW4: Zoom

SW5: Dual Focus



# Resected Specimen & ESD site



# Pathology report

# DIAGNOSIS:

Stomach, midbody, anterior wall, endoscopic submucosal dissection:

## Gastric Mesenchymal Tumor

1. Histologic Type: Gastrointestinal stromal tumor (GIST)

2. Tumor Size: 3.0x2.6x2.1cm

3. Tumor Focality: Unifocal

4. GIST Subtype: spindle cell type

5. Mitotic Rate: 1/50 HPF

6. Histologic Grade

Low grade; mitotic rate  $\leq 5/50$  HPF

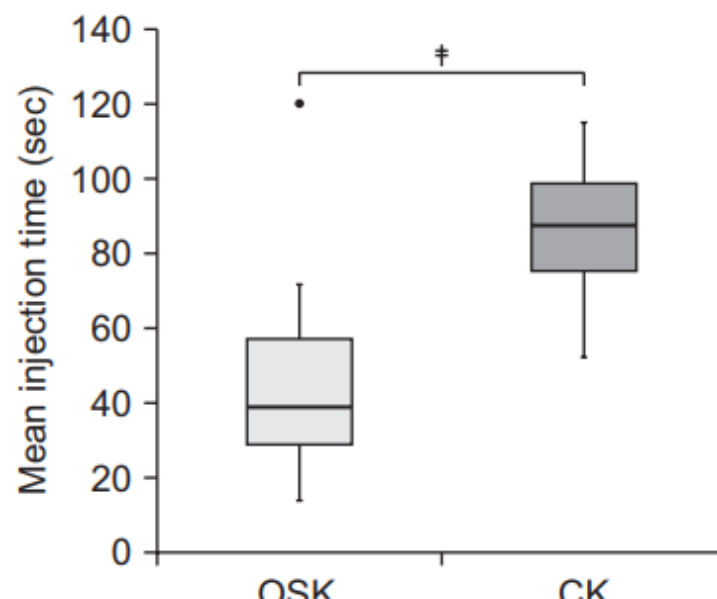
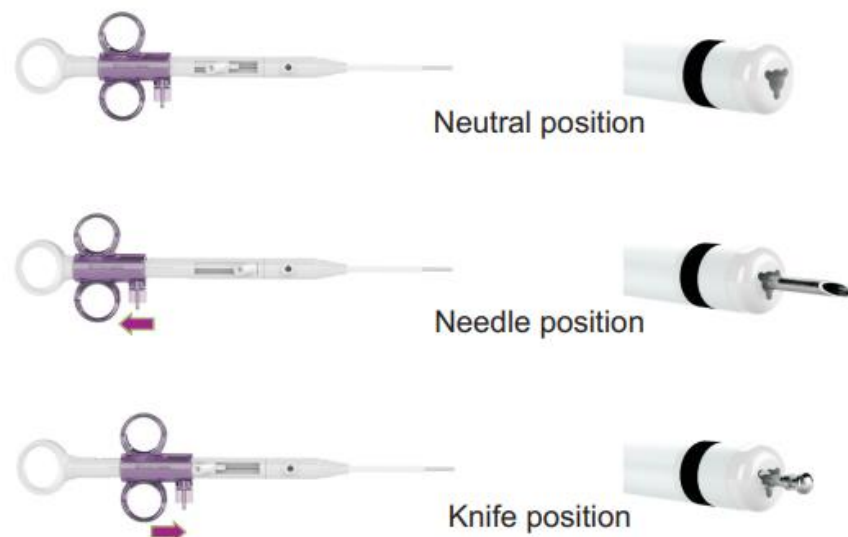
7. Necrosis : Not identified

8. Margins

Negative for GIST, Distance of tumor from closest margin: 0.3cm

# A Novel One-Step Knife Approach Can Reduce the Submucosal Injection Time of Endoscopic Submucosal Dissection: A Single-Blinded Randomized Multicenter Clinical Trials

Gut and Liver, Published online June 25, 2021



Variable	Injection number $\geq 4$		
	OSK (n=12)	CK (n=13)	p-value*
Mean injection time, sec	31.0 (18.3–35.4)	84.0 (75.0–107.5)	<0.001
Total procedure time, min	26.7 (19.0–35.4)	35.0 (27.5–79.2)	0.044



# Efficacy and safety of one-step knife compared to conventional insulated tip knife for endoscopic submucosal dissection

Dae Gon Ryu<sup>1</sup>, Cheol Woong Choi<sup>1</sup>, Su Jin Kim<sup>1</sup>, Dae Hwan Kang<sup>1</sup>, Hyung Wook Kim<sup>1</sup>, Su Bum Park<sup>1</sup>, Hyeong Seok Nam<sup>1</sup>

**Endo-Upex™**  
Onestep ESD Knife  
Insulation Ball Tip

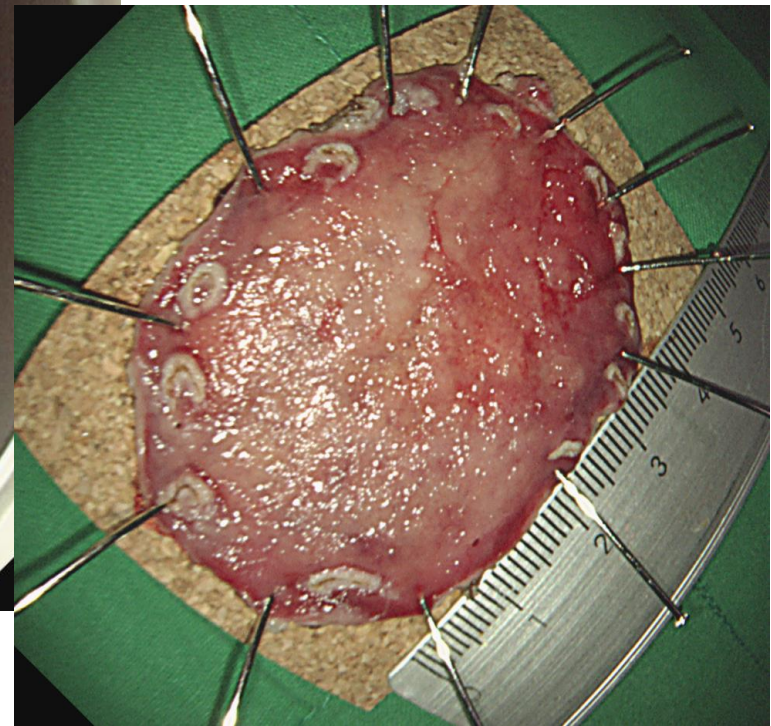
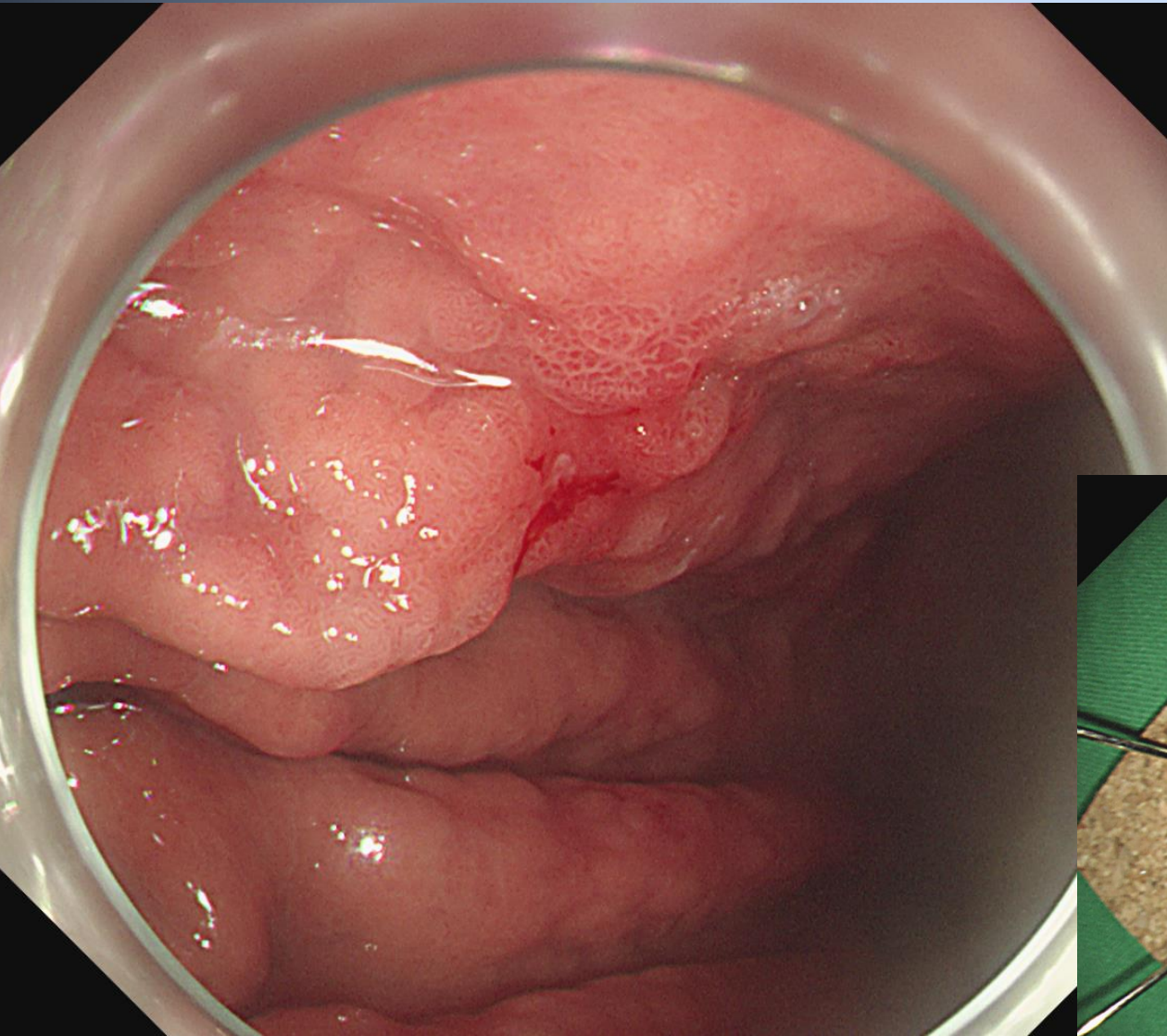


## Results

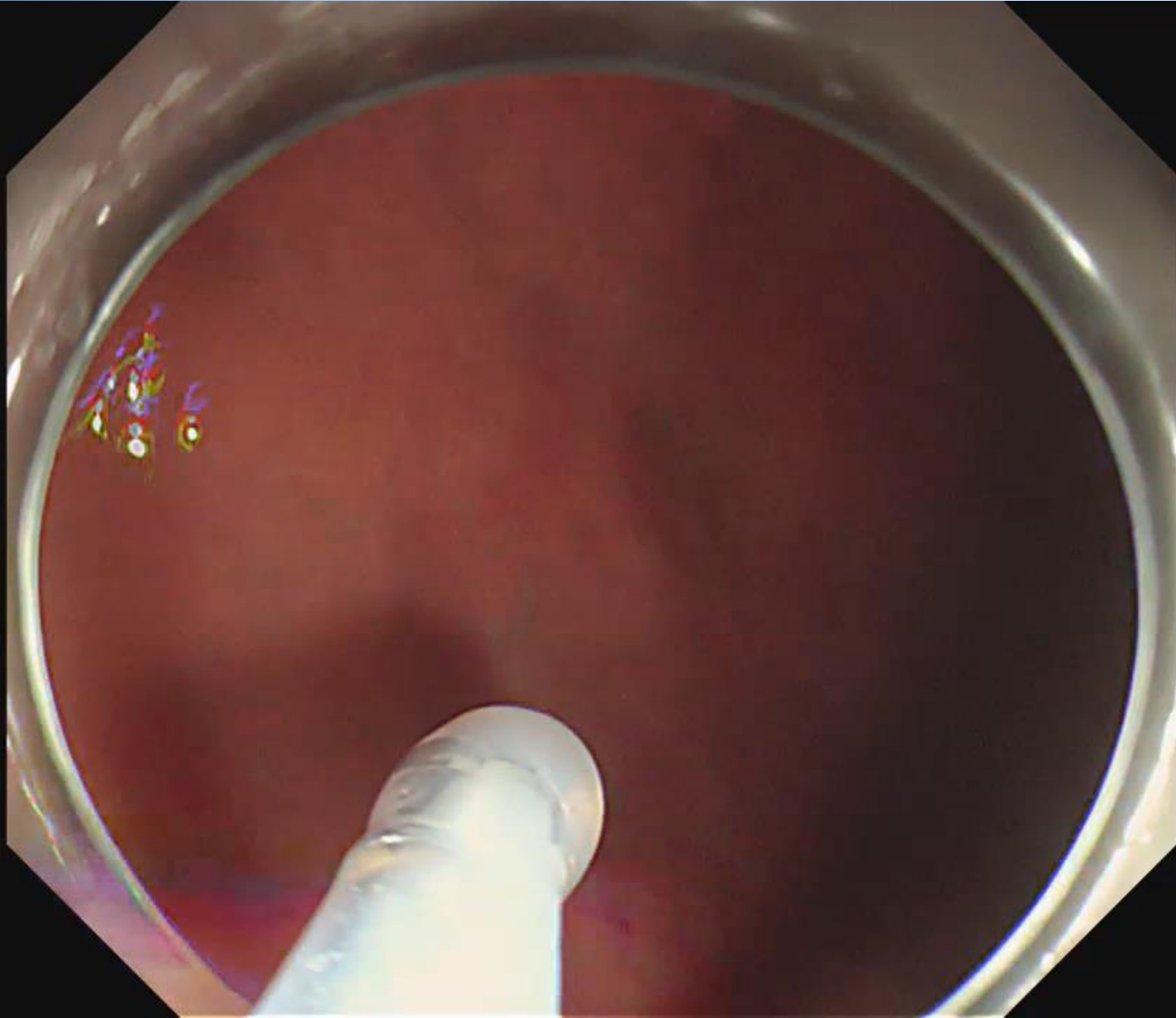
In the study period, a total of 201 patients (OSK 101 patients, CK 100 patients) were analyzed. The total procedure time was statistically significantly reduced in the OSK group (mean 13.7 vs 18.4 min,  $p < 0.01$ ). The procedure time for each location was more reduced in body (mean 15.3 vs 22.3 min  $p < 0.01$ ) than antrum (mean 11.8 vs 15.1 min,  $p = 0.01$ ) in the OSK group. There was no significant difference in post-ESD bleeding and perforation in the two groups (5.0 vs 4.0%,  $p = 0.75$  and 1.0 vs 3.0%,  $p = 0.33$ )



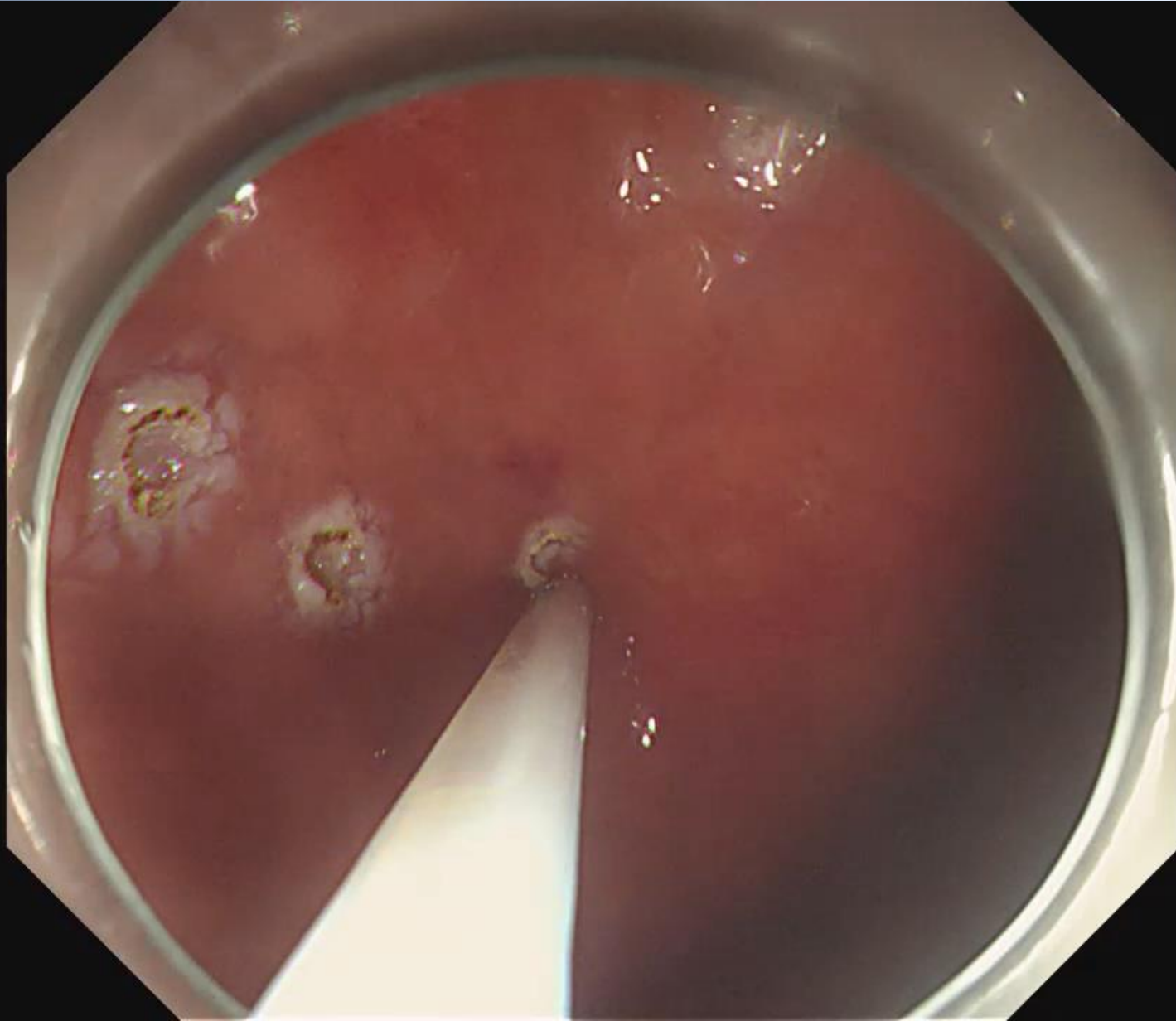
# 하체부 전벽의 조기위암



# Marking with One step knife

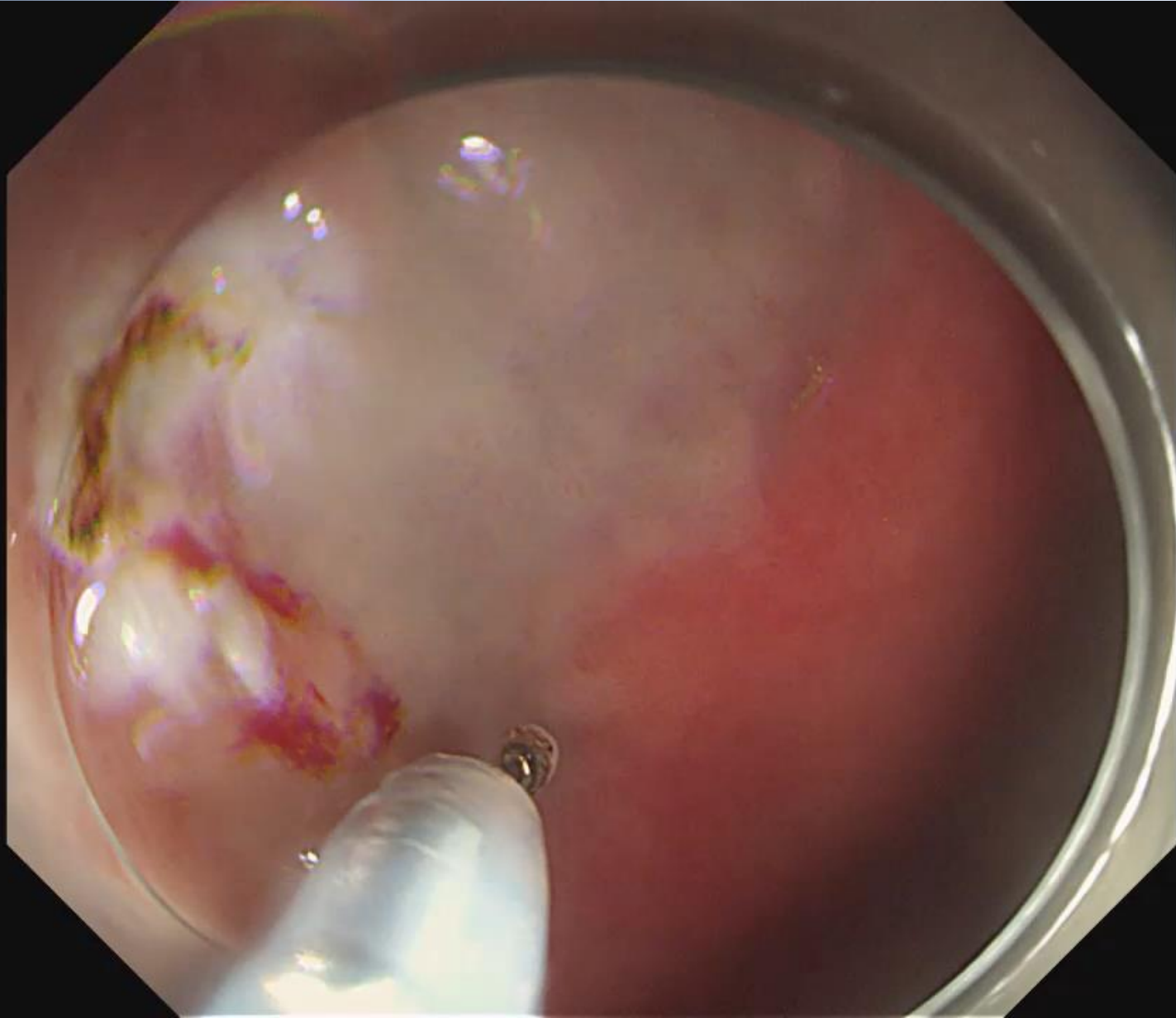


# Injection with One step knife

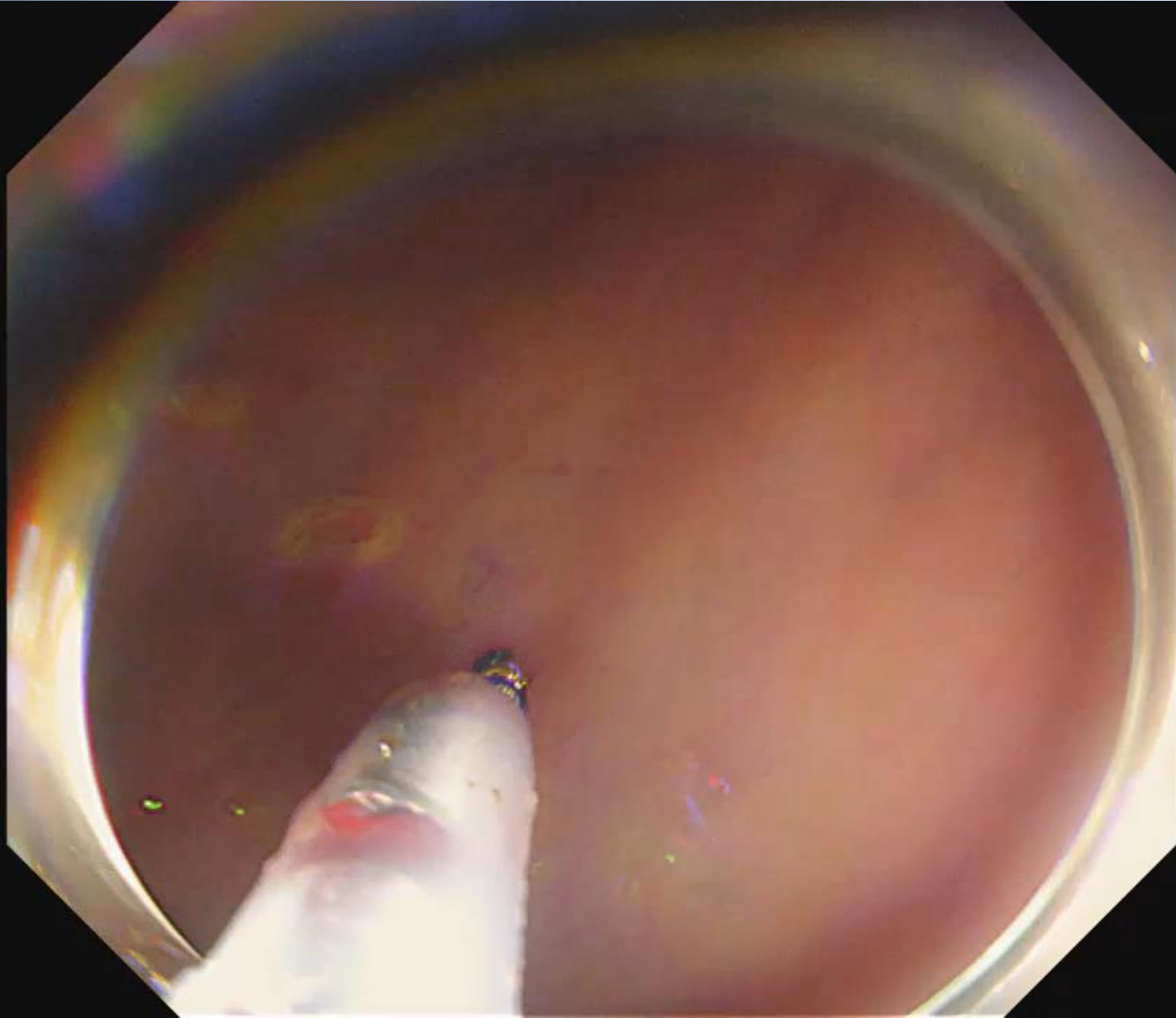




# Precut with One step knife

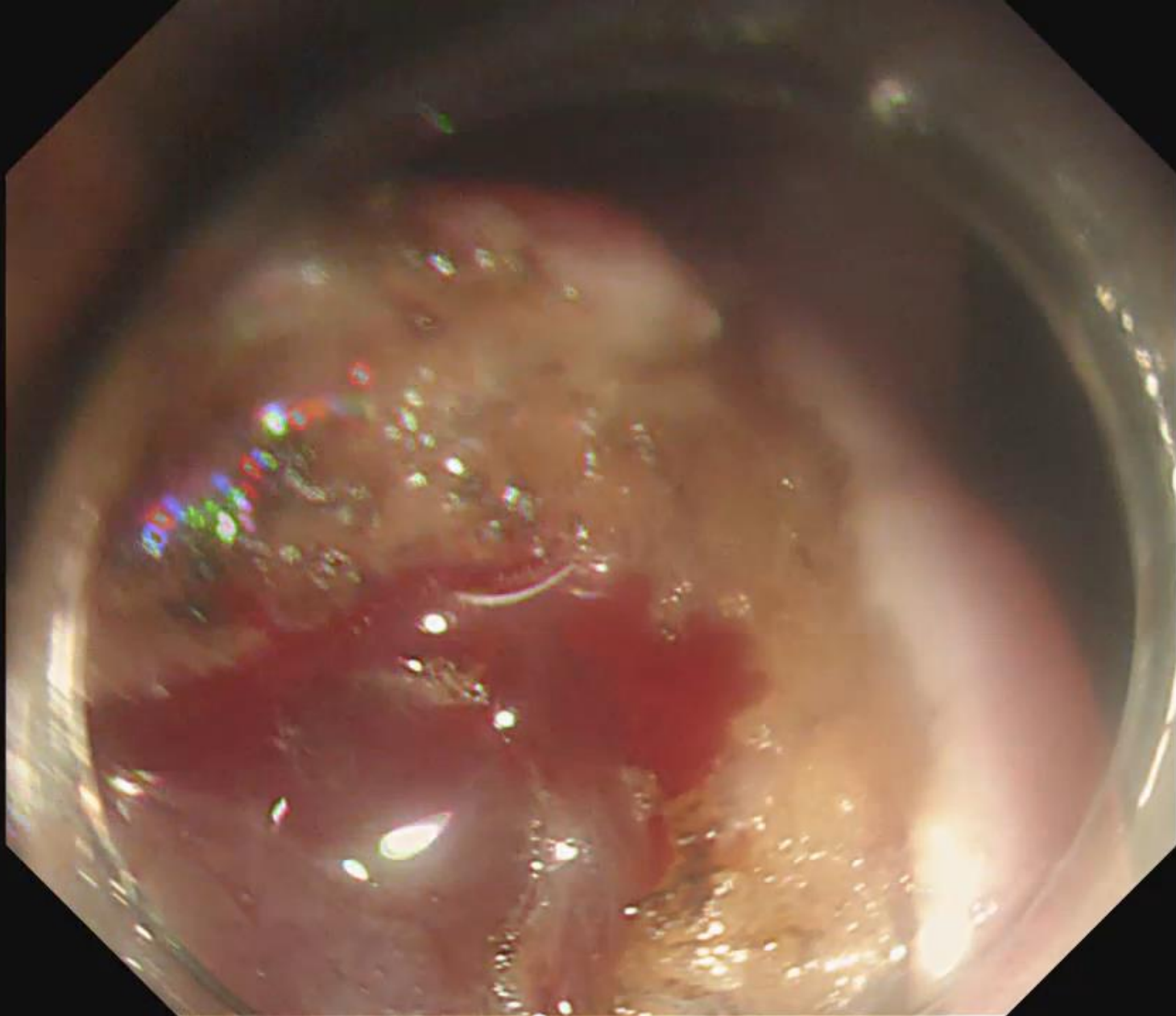


# Additional Precut with One step knife

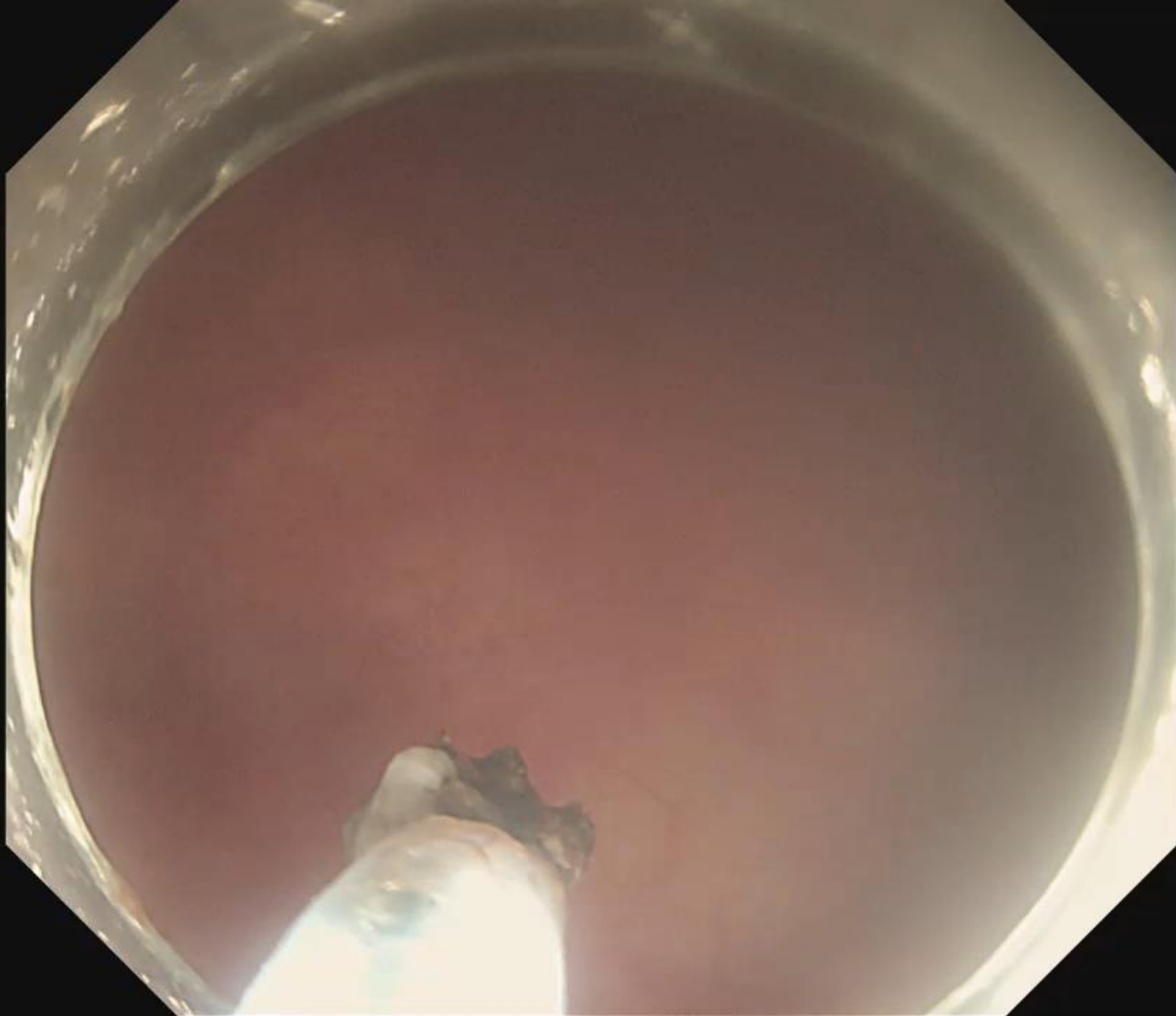




# Coagulation with One step knife



# Inj. & Dissection with One step knife





***Marking***

***Injection***

***Cutting  
(precut & dissection)***

***감사합니다.***