

# IDEN 2021

International  
Digestive  
Endoscopy  
Network  
2021

**ONLINE CONFERENCE**

*Quantum leap in GI endoscopy,  
enjoy the difference!*

June 24 Thu  
— 26 Sat, 2021



Organized by



International  
Digestive  
Endoscopy  
Network



KSGE  
Korean Society of  
Gastrointestinal  
Endoscopy

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References: 1. Miner PJ, et al. Gastric acid control with esomeprazole, lansoprazole, omeprazole, pantoprazole, and rabeprazole: a five-way crossover study. *Am J Gastroenterol.* 2003 Dec;98(12):2616-20. 2. Castell DO, et al. Esomeprazole (40 mg) compared with lansoprazole (30 mg) in the treatment of erosive esophagitis. *Am J Gastroenterol.* 2002 Mar;97(3):575-83. 3. Labenz J, et al. Expo Study Investigators. A randomized comparative study of esomeprazole 40 mg versus pantoprazole 40 mg for healing erosive esophagitis: the EXPO study. *Aliment Pharmacol Ther.* 2005 Mar 15;21(6):739-46. 4. Lauritsen K, et al. Metopole study results: Esomeprazole 20 mg and lansoprazole 15 mg in maintaining erosive esophagitis. *Metopole study results. Aliment Pharmacol Ther.* 2005 Feb 1;19(2):233-41. 5. Labenz J, et al. Esomeprazole 20 mg vs. pantoprazole 20 mg for maintenance therapy of healed erosive esophagitis: results from the 6-week, randomized, controlled, maintenance trial. *Gastroenterology.* 2002;122(9):803-11. 6. Tsai JH, et al. Esomeprazole 20 mg on demand is more acceptable to patients than continuous lansoprazole 15 mg in the long-term maintenance of endoscopy-negative gastro-oesophageal reflux patients: the COMMAND Study. *Aliment Pharmacol Ther.* 2004 Sep 15;28(6):657-65.

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## CONTENTS

WELCOME MESSAGE	5
ORGANIZATION	6
PROGRAM AT A GLANCE	8
CONFERENCE INFORMATION	10
PRESENTATION & AWARDS	14
INVITED FACULTIES	15
IYEA 2021 ONLINE EDUCATION	18
SCIENTIFIC PROGRAM	
• Session Description	22
• Daily Program	
- June 25 (Fri)	26
- June 26 (Sat)	34
POSTERS	40
SPONSORSHIP	59

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# WELCOME MESSAGE



**Dear Colleagues and Friends,**

It is with great pleasure we welcome you to attend the International Digestive Endoscopy Network 2021 (IDEN 2021), which will be held from June 24 to 26, 2021 in Seoul, Korea.

IDEN 2021 will be held **as an Online Conference** for safety and efficiency. It will feature lectures and real-time Q&A of renowned speakers.

Last year we experienced unprecedented moments due to the COVID-19 pandemic, but it was also an opportunity to expand virtually and advance one step ahead. Since the first IDEN conference was held in 2011, IDEN has accomplished steady growth, with the most recent conference attracting over 1,900 participants from 35 countries. As an international academic society since 2019, IDEN has dedicated itself to the development of the gastrointestinal endoscopy field.

IDEN will continue to establish a solid foundation to educate future endoscopists and lead clinical and laboratory research with the greatest expertise. This year, a specially designed scientific program with live demonstrations will deeply focus on cutting-edge practices and skills. Moreover, we have a total of 9 joint sessions with the JGES, ESGE, WEO, and TSGE with active collaboration in the annual IDEN conference.

The 2021 International Young Endoscopist Award (IYEA 2021) has been planned as an online education program with the title "Let's start endoscopy with confidence!," and will be open to all participants for broader educational opportunities. That is why IDEN 2021 will be the perfect occasion for us to catch up on the rapidly changing developments and innovations in the advanced digestive endoscopy field.

We urge you all to take care and look forward to your global collaboration in the IDEN 2021 Online Conference.

**Joo Young Cho**  
President  
International Digestive Endoscopy Network

A stylized, handwritten signature in black ink, consisting of several fluid, overlapping strokes.



# ORGANIZATION

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	Joongwon Yoon	Samsung Top, Korea		

# PROGRAM AT A GLANCE


June 24 Thu		June 25 Fri				
Room Time	Online	Room A	Room B	Room C	Room D	
09:00-10:30	<p><b>IYEA 2021 Online Education</b></p> <p>will be held from June 24 (Thu) to 26 (Sat), 2021, on the IDEN 2021 virtual platform.</p>	<p><b>UGI 1</b></p> <p><b>[KSGE-JGES]</b></p> <p>Introduction of recent endoscopic guidelines in Korea and Japan</p>	<p><b>LGI 1</b></p> <p>Colonoscopy, quality is always the matter</p>	<p><b>PB 1</b></p> <p><b>[KSGE-ESGE]</b></p> <p>Biliary stricture summit</p>		
10:30-11:00		Break			<p>Live Industrial Session – part 1</p> <p><b>OLYMPUS</b></p> <p><b>inno.N</b></p> <p><b>DAEWOOING</b></p> <p><b>Otsuka</b></p> <p><b>Chungnam Daegu</b></p> <p><b>DAEHAN</b></p>	
11:00-12:30		<p><b>UGI 2</b></p> <p><b>[KSGE-ESGE]</b></p> <p>New technologies in endoscopy</p>	<p><b>LGI 2</b></p> <p><b>[KSGE-TSGE]</b></p> <p>In-depth session for colorectal ESD</p>	<p><b>PB 2</b></p> <p><b>[KSGE-JGES]</b></p> <p>Emerging trends of artificial intelligence for pancreatobiliary diseases</p>	10:30-12:30	
12:30-13:30		Sponsor Symposium 1 <b>inno.N</b>				
13:30-15:00			<p><b>UGI 3</b></p> <p><b>[Asian Network]</b></p> <p>Current issues on <i>H. pylori</i> and endoscopy</p>	<p><b>LGI 3</b></p> <p><b>[KSGE-WEO]</b></p> <p>Recent update on screening and surveillance to prevent colorectal cancer</p>	<p><b>PB 3</b></p> <p>Emerging ERCP/EUS technology for pancreatobiliary diseases</p>	<p>Live Industrial Session – part 2</p> <p>*The same as above</p> <p>13:30-15:30</p>
15:00-15:20		Break				
15:20-16:50			<p><b>UGI 4</b></p> <p>Challenging perspectives of ESD</p>	<p><b>LGI 4</b></p> <p><b>[KSGE-JGES]</b></p> <p>Role of endoscopy in inflammatory bowel diseases, what's new?</p>	<p><b>PB 4</b></p> <p>Post-ERCP pancreatitis: Revisiting the unavoidable</p>	

E-Poster & Exhibition & IYEA 2021 Online Education





## June 26 Sat

Room Time	Room A	Room B	Room C	Room D
09:00-10:30		<b>Live Demonstration 1</b> Upper GI Lower GI	<b>PB 5</b>  Video session: Troubleshooting in pancreatobiliary endoscopy – road to expert	
			Break	
10:30-11:00				
11:00-12:30		<b>Live Demonstration 2</b> Pancreatobiliary	Sponsor Symposium 2  DAEWOONG 11:00-12:00	Live Industrial Session (Video stream of Part 1)  10:30-12:30
12:30-13:00	Break			
13:00-14:00	Sponsor Symposium 3 <b>OLYMPUS</b>			
14:00-15:30	<b>UGI 5</b> <b>[KSGE-WEO]</b> Endoscopy in the era of COVID-19	<b>LGI 5</b> <b>[KSGE-ESGE]</b> Optimized resection techniques for colorectal neoplasia	<b>PB 6</b>  Debate session: EUS-guided ablation for pancreatic cystic lesions	Live Industrial Session (Video stream of Part 2)  14:00-16:00
	Break			
15:30-15:50				
15:50-17:20	<b>UGI 6</b> Bariatric endoscopy for obesity	<b>LGI 6</b> Innovation and expansion of endoscopy in lower GI disorders	<b>PB 7</b> Updates on diagnosis and management of hilar cholangiocarcinoma	

E-Poster & Exhibition & IVEA 2021 Online Education

**Live Industrial Session** It will offer a live product introduction and instrument demonstration. From June 26, the session video will be streamed.

Participating sponsors      

# CONFERENCE INFORMATION

## ONLINE CONFERENCE WEBSITE

To ensure that you have a great experience and to avoid any potential attendance issues, please review the following technical directions.

### Accessing the IDEN 2021 Online Conference Website

Please join the link below to log in with your ID (email address) and password and you will immediately enter the online conference website. Please note that multiple access is not allowed in real time.

Online conference website: [virtual.iden.or.kr](http://virtual.iden.or.kr)

### Browser Requirements

The video player is embedded into the online conference website, so attendees do not need to install any software or adjust any computer settings. The website is optimized for Chrome and PC, so please check your web browser first.

### Session Time = Korea Standard Time (GMT+9)

All session times for the IDEN 2021 online conference are in Korea Standard Time (KST=GMT+9). You can easily find Korea time and your local time on our online conference website. Please be aware of this when planning to view sessions.

### VOD Replay

Open period: [Until August 31, 2021](#)

If you miss a real-time presentation or would like to watch once again, you may access the VOD replay menu on the online conference website and watch presentations after the scientific program ends each day.

Please note that only VODs by consenting speakers will be available for viewing, and downloading of the VODs will not be permitted.

### Real-time Q&A



All online participants will be able to type questions through a chat window in real time on the online conference website. Session moderators will pick some questions from the chat room and ask the speakers on your behalf.

Although all Q&A will be streamed in real time via the online platform, they will not be included in the VOD replay menu.



## SPONSOR SYMPOSIUM

Three sponsored symposiums will take place according to the following schedule.

Sponsor Symposium 1 June 25 (Fri), 12:30-13:30	Sponsor Symposium 2 June 26 (Sat), 11:00-12:00	Sponsor Symposium 3 June 26 (Sat), 13:00-14:00
Tegoprazan, the novel advance in the management of acid-related diseases	NSAIDs and PPI, focusing on the new guidelines	This is the future of endoscopy: Beyond imagination
		

## IDEN APP DOWNLOAD

### To Download

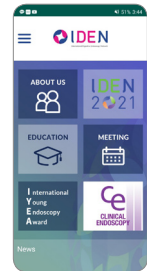
Scan the QR code or search for "IDEN" in the Google Play Store or Apple App Store.

### Why Download the App?

- Peruse our full agenda
- View sessions and invited speaker information
- Browse all abstracts
- Use the My Schedule feature to plan your day



For iOS and  
Android



## CERTIFICATE OF ATTENDANCE

You can download the certificate of attendance at 'My Page' on the IDEN 2021 official website after the conference.

## E-EXHIBITION

Visit our e-Exhibition for the latest innovations and technology on the online conference website. There will be a drawing gifts for participants who visit all the exhibition booths.

## EVENTS

### Exhibition Stamp Event

Visit our online exhibition on the online conference website for the latest innovations and technology in the digestive endoscopy field!

Collect all the exhibition stamps by visiting each sponsor and you will have a chance to play in the roulette event. If you don't win at roulette on the first day, you will get a second chance at a roulette spin again on the second day. Good luck!

\* Prizes for overseas participants: IDEN 2022 complimentary registration  
(June 25(Fri): 10 people, June 26(Sat): 10 people)

\* Prizes for domestic participants: (June 25(Fri): 10 people, June 26(Sat): 10 people)

June 25 (Fri)				
				
<b>1<sup>st</sup> Prize</b> Galaxy Tab S6 (1 person)	<b>2<sup>nd</sup> Prize</b> Galaxy Watch + Wireless Charging Duo Package (2 people)	<b>3<sup>rd</sup> Prize</b> BOSE Bluetooth Speaker (2 people)	<b>4<sup>th</sup> Prize</b> LG PuriCare Mini (2 people)	<b>5<sup>th</sup> Prize</b> Google Chromecast 3 (3 people)
June 26 (Sat)				
				
<b>1<sup>st</sup> Prize</b> LG Cinebeam Projector (1 person)	<b>2<sup>nd</sup> Prize</b> Sony Noise Cancelling Headphone (2 people)	<b>3<sup>rd</sup> Prize</b> LG Puricare Air Purifier (2 people)	<b>4<sup>th</sup> Prize</b> Nespresso Essenza Mini (2 people)	<b>5<sup>th</sup> Prize</b> Belkin Wireless Charging Stand (3 people)



### Best Question Winners

We encourage you to participate in the real-time Q&A via the chat room on the online conference website. Our scientific committee members will check all questions during the conference and select winners who ask the most interesting and thought-provoking questions!

<b>Outstanding Questions</b> 3 winners USD 100	<b>Good Questions</b> 6 winners USD 50
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### Photo Festival – “IDEN People”

Post a photo of yourself or with colleagues at the IDEN online conference on the IDEN app! We will select witty photos and give out small prizes after the conference.

<b>1<sup>st</sup> Prize</b> USD 300 (1 person)	<b>2<sup>nd</sup> Prize</b> USD 200 (2 people)	<b>3<sup>rd</sup> Prize</b> USD 100 (5 people)
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## CME CREDIT INFORMATION (Korean Participants Only)

소화기내시경 세부전문의	6월 25일 (금), 26일 (토)	양일 각 1평점
질 관리	6월 25일 (금), 26일 (토)	양일 각 2평점

\* 하루 3시간 초과 체류 시 일일 평점 부여됩니다.

# PRESENTATION & AWARDS

## LECTURES

Sessions will feature pre-recorded presentations followed by live Q&A in real time.

For the real-time Q&A, please access our virtual meeting URL sent in advance by the secretariat. Please join us 20 minutes before your session time for a final check.

## E-POSTERS

IDEN 2021 will feature an E-Poster system with all posters available on the online conference website.

## AWARDS

Please kindly note that awardees' online conference attendance must be confirmed to receive the awards. Please note that awardees will be announced on the IDEN 2021 website after the conference.



**USD 300**

Outstanding  
Poster Awards



**USD 200**

Best Poster  
Awards



**USD 100**

Excellent  
Poster Awards



**Award Certificate**

Distinguished  
Poster Awards

## IYEA 2021 Fine Crystal Awards (Research Fund)

To encourage participation and support young endoscopists' active research, the IDEN 2021 committee has decided to give research fund award. The committee reviewed applicants' research proposal and abstracts, and the winner of the IYEA 2021 Fine Crystal Awards was announced personally.



**Award**

**USD 13,000 for 1 person**

**Duties**

- The Awardee must present their research results at the IDEN annual conference 2 years after receiving the research fund.
- The Awardee must publish at least one paper as the first author or corresponding author in an SCIE accredited international journal, and states that it has received support from this fund.

# INVITED FACULTIES



## Australia

David Hewett (The University of Queensland)

## China

Pinghong Zhou (Fudan University)

## France

Mathieu Pioche (Hospital Edouard Herriot)

## Germany

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Helmut Messmann (University Clinic of Augsburg)

Helmut Neumann (University Medical Center Mainz)

Arthur Schmidt (University Hospital of Freiburg)

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(The Chinese University of Hong Kong)

Anthony Y.B. Teoh

(The Chinese University of Hong Kong)

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D Nageshwar Reddy

(Asian Institute of Gastroenterology)

## Israel

Ian M. Gralnek

(Institute of Gastroenterology and Hepatology)

## Italy

Andrea Anderloni

(Humanitas Clinical and Research Hospital)

Alessandro Repici (Humanitas University)

## Japan

Seiichiro Abe (National Cancer Center Hospital)

Yusuke Hashimoto

(National Cancer Center Hospital East)

Hiroyuki Isayama (Juntendo University)

Takao Itoi (Tokyo Medical University)

Masaaki Kodama (Oita University)

Takamichi Kuwahara (Aichi Cancer Center Hospital)

Katsuyoshi Matsuoka

(Toho University Sakura Medical Center)

Haruhiko Ogata (Keio University)

Hiroyuki Ono (Shizuoka Cancer Center)

Yutaka Saito (National Cancer Center Hospital)

Mamoru Takenaka (Kindai University)

Kohei Takizawa (Sapporo Kinentou Hospital)

Ryosuke Tonozuka (Tokyo Medical University)

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Tomonori Yano (Jichi Medical University)

Ichiro Yasuda (University of Toyama)

Shigetaka Yoshinaga

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Jae Hee Cho (Yonsei University)

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Tae-Geun Gweon (The Catholic University of Korea)

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Jae Young Jang (Kyung Hee University Hospital)

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Youngdae Kim (Chosun University)  
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Eun Young Kim (Daegu Catholic University)  
Jung Hoon Kim (Seoul National University)  
Joo Sung Kim (Seoul National University)  
Jin Hong Kim (Ajou University)  
Tae Il Kim (Yonsei University)  
Hyun-Soo Kim (Yonsei University Wonju)  
Hyun-Soo Kim (Chonnam National University)  
Hyung Kil Kim (Inha University)  
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Sang Soo Lee (University of Ulsan)  
Sang Pyo Lee (Hallym University)  
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Oh Young Lee (Hanyang University)  
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Min Jae Yang (Ajou University)  
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## Netherlands

Evelien Dekker

(Academisch Medisch Centrum - Universiteit van Amsterdam (AMC-UvA))

## Spain

Manuel Perez-Miranda

(Hospital Universitario Rio Hortega)

## Taiwan

Han-Mo Chiu (National Taiwan University Hospital)





## **Thailand**

**Nonthalee Pausawasdi**

(Faculty of Medicine Siriraj Hospital, Mahidol University)

**Rungsun Rerknimitr** (Chulalongkorn University)

## **Turkey**

**Fatih Aslan** (Koç University Hospital)

**Gozde Dervis Hakim**

(Tepecik Training and Research Hospital)

**Sadettin Hulagu** (Kocaeli University)

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**Erkin Oztas** (Eskisehir Osmangazi University)

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**Matt Rutter**

(University Hospital of North Tees and Newcastle University)

**George Webster**

(University College London and Royal Free Hospitals)

## **USA**

**William Brugge** (Massachusetts General Hospital)

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(Weill Cornell Medicine New York-Presbyterian Hospital)

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# IYEA 2021 ONLINE EDUCATION

## Let's start endoscopy with confidence!

The IYEA program is educational program intended to promote technical advancement and collaboration among international societies of GI endoscopy. This program has been held annually for young doctors in Asia since 2014, and around 200 young endoscopists have participated in the program so far.

This year, the 2021 International Young Endoscopist Award (IYEA 2021) has been planned as [online education](#).

## OVERVIEW

<b>Title</b>	2021 International Young Endoscopist Award (IYEA 2021)
<b>Date</b>	June 24 (Thu) – June 26 (Sat), 2021 * <a href="#">Online Education</a>
<b>Program</b>	16 on-demand videos can be played all day during the conference. Video education with basic and practical skills for young endoscopists will be offered.
<b>Expected participants</b>	Fellow, Resident, Student (IDEN 2021 registrants)
<b>How to watch videos</b>	<ul style="list-style-type: none"><li>• During the conference: IDEN 2021 Online Conference Website</li><li>• After the conference: Videos will be available on the IDEN/KSGE website and open to IDEN/KSGE Members.</li></ul>

## BENEFITS: For those who complete the 16 videos

1



Issue a certificate in PDF

2



Registration fee reimbursement  
Fellow, Resident, Student  
(Copy of certificate, proof will be required)



## PROGRAM

### Upper GI

#### **Proper endoscopic observation of the upper GI tract**

Soo Teik Lee, Jeonbuk National University, Korea

#### **Tips for taking endoscopic pictures and describing the results**

Ki-Nam Shim, Ewha Womans University, Korea

#### **The basics of upper GI endoscopic ultrasound: How to start EUS**

Do Hoon Kim, University of Ulsan, Korea

#### **Contrast-enhanced EUS in upper GI subepithelial tumors**

Jun Chul Park, Yonsei University, Korea

#### **Endoscopic hemostasis from A to Z**

Ji Yong Ahn, University of Ulsan, Korea

#### **Technical tips for safe and effective endoscopic submucosal dissection**

Jae Myung Park, The Catholic University of Korea, Korea

### Lower GI

#### **Colonoscopy insertion techniques**

Jaeyoung Chun, Yonsei University, Korea

#### **Observation and documentation of complete colonoscopy**

Eun Ran Kim, Sungkyunkwan University, Korea

#### **Basic skills for colonoscopic polypectomy**

Seong Ran Jeon, Soon Chun Hyang University, Korea

#### **Management of complications after colonic polypectomy**

Chang Hwan Choi, Chung-Ang University, Korea

#### **Tailored ESD for various colorectal lesions**

Bo-In Lee, The Catholic University of Korea, Korea

### Pancreatobiliary

#### **Duodenoscope insertion and appropriate acquisition of fluoroscopic images**

Dong-Won Ahn, Seoul National University, Korea

#### **Endoscopic sphincterotomy and balloon dilation of papilla**

Jong Jin Hyun, Korea University, Korea

#### **Biliary drainage**

Seong-Hun Kim, Jeonbuk National University, Korea

#### **Standard endoscopic treatment of common bile duct stones**

Yun Nah Lee, Soon Chun Hyang University, Korea

#### **Radial EUS of pancreatobiliary system**

Se-Woo Park, Hallym University, Korea



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# SCIENTIFIC PROGRAM

**IDEN 2021**

International Digestive Endoscopy Network 2021

# SESSION DESCRIPTION

## Upper GI

### UGI 1 [KSGE-JGES] Introduction of recent endoscopic guidelines in Korea and Japan

Guidelines for the treatment of upper gastrointestinal diseases are changing as gastroenterology and endoscopy practices. This session will explore the standards of therapeutic endoscopy for upper gastrointestinal diseases by reviewing and comparing guidelines in Korea and Japan.

### UGI 2 [KSGE-ESGE] New technologies in endoscopy

Endoscopy is a rapid advent field, and new techniques are constantly emerging. This joint session between the ESGE and KSGE has been planned to understand and discuss the new advancements in technologies for diagnosis, risk stratification and management of upper gastrointestinal diseases.

### UGI 3 [Asian Network] Current issues on *H. pylori* and endoscopy

Learn about endoscopic features and to what extent diagnosis using artificial intelligence can help in the diagnosis of *Helicobacter pylori* infection and high-risk lesions in the stomach.

### UGI 4 Challenging perspectives of ESD

ESD often results in non-curative resection due to technically difficult situations or pathologically beyond criteria. In this session, we will discuss various solutions and treatment options to overcome this situation.

### UGI 5 [KSGE-WEO] Endoscopy in the era of COVID-19

This is a joint session between the ESGE and KSGE. Learn the latest updates and knowledge in gastrointestinal diseases and identify how to protect healthcare workers and patients related to COVID-19.

### UGI 6 Bariatric endoscopy for obesity

A guide for starting endoscopic bariatric therapies, this session will review endoscopic weight reduction procedures, their complications and understand the different surgical methods.



## Lower GI

### **LGI 1**    **Colonoscopy, quality is always the matter**

The importance of the quality of colonoscopy cannot be overemphasized for effective colorectal cancer prevention. This session will cover topics about how to improve the quality of colonoscopy in current clinical practice, as well as the role of artificial intelligence for improving the quality of colonoscopy.

### **LGI 2**    **[KSGE-TSGE] In-depth session for colorectal ESD**

In spite of advances in techniques and devices, colorectal ESD is still one of the most challenging endoscopic procedures. This session highlights new devices, techniques, and tips to overcome hurdles for ESD. In addition, the clinical outcomes of colorectal ESD will be summarized.

### **LGI 3**    **[KSGE-WEO] Recent update on screening and surveillance to prevent colorectal cancer**

Screening is the most effective strategy to face the risk of colorectal cancer. This session is focused on how to maximize the effectiveness of the colorectal cancer preventive strategies based on results from recently updated studies.

### **LGI 4**    **[KSGE-JGES] Role of endoscopy in inflammatory bowel diseases, what's new?**

Regarding inflammatory bowel disease, endoscopy plays important roles for differential diagnosis with other diseases, assessment of disease activity, decision-making of treatment modalities, and surveillance for colorectal cancer. This session provides the latest knowledge on the role of endoscopy in patients with IBD with in-depth discussion combined with JSGE and KSGE.

### **LGI 5**    **[KSGE-ESGE] Optimized resection techniques for colorectal neoplasia**

Recent advances in endoscopic resection techniques have enabled physicians to treat colorectal neoplasia in various ways. In this session, we will explore conventional and newly developed endoscopic resection techniques for colorectal neoplasia and discuss optimal resection techniques in each case.

### **LGI 6**    **Innovation and expansion of endoscopy in lower GI disorders**

Innovation of new endoscopic technology and expansion of clinical application of endoscopy has never been discontinued since the introduction of gastrointestinal endoscopy to clinical practice. In this session, we will discuss up-to-date technology and devices for lower GI endoscopy and how they expand the role of endoscopy in various lower GI disorders.

## Pancreatobiliary

### **PB 1 [KSGE-ESGE] Biliary stricture summit**

Both benign and malignant biliary strictures present challenges to endoscopists. This session will offer insight into endoscopic diagnosis and treatment of biliary strictures from various causes.

### **PB 2 [KSGE-JGES] Emerging trends of artificial intelligence for pancreatobiliary diseases**

Artificial intelligence is a hot topic in the field of gastrointestinal endoscopy and gastroenterology. In this joint session with the Korean Society of Gastrointestinal Endoscopy and Japanese Gastroenterological Endoscopy Society, emerging trends in artificial intelligence in pancreatobiliary diseases will be reviewed.

### **PB 3 Emerging ERCP/EUS technology for pancreatobiliary diseases**

In recent years, there has been much technical progress in ERCP and EUS. This session will enlighten participants with new technologies being used in ERCP and EUS.

### **PB 4 Post-ERCP pancreatitis: Revisiting the unavoidable**

Post-ERCP pancreatitis is one of the most common and feared complications. In this session, various methods to prevent post-ERCP pancreatitis will be presented.

### **PB 5 Video session: Troubleshooting in pancreatobiliary endoscopy – road to expert**

This video session is designed to offer specific guidance regarding troubleshooting in difficult situations encountered during pancreatobiliary endoscopy.

### **PB 6 Debate session: EUS-guided ablation for pancreatic cystic lesions**

This debate session among experts will fascinate those who are interested in management of pancreatic cystic lesions. Current management methods will be discussed intensely.

### **PB 7 Updates on diagnosis and management of hilar cholangiocarcinoma**

Hilar cholangiocarcinoma is relatively prevalent in the Asian population. Updates on diagnosis and management of hilar cholangiocarcinoma will be offered in this session.



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# DAILY PROGRAM

June **25** *Fri*

**IDEN 2021**

International Digestive Endoscopy Network 2021

# DAILY PROGRAM **June 25** Fri

## Upper GI

## Room A

### 09:00-10:30 UGI 1 [KSGE-JGES] Introduction of recent endoscopic guidelines in Korea and Japan

*Moderators: Myung-Gyu Choi, The Catholic University of Korea, Korea  
Hiroyuki Ono, Shizuoka Cancer Center, Japan*

- UGI 1-1 **Endoscopic submucosal dissection/endoscopic mucosal resection guidelines of early gastric cancer of Japan**  
Noriya Uedo, Osaka International Cancer Institute, Japan
- UGI 1-2 **Endoscopic submucosal dissection/endoscopic mucosal resection guidelines for early gastric cancer: Korean guideline**  
Jong Yeul Lee, National Cancer Center, Korea
- UGI 1-3 **Clinical practice guidelines for endoscopic diagnosis of early gastric cancer (Japan)**  
Shigetaka Yoshinaga, National Cancer Center Hospital, Japan
- UGI 1-4 **Clinical practice guideline for the management of antithrombotic agents in patients undergoing gastrointestinal endoscopy (Korea)**  
Eun Jeong Gong, University of Ulsan, Korea

10:30-11:00 Break

### 11:00-12:30 UGI 2 [KSGE-ESGE] New technologies in endoscopy

*Moderators: Hyung Kil Kim, Inha University, Korea  
Ian M. Gralnek, Institute of Gastroenterology and Hepatology, Israel*

- UGI 2-1 **Real-time optical diagnosis in endoscopy**  
Alanna Ebigbo, University Hospital Augsburg, Germany
- UGI 2-2 **Novel approach to hemostasis in non-variceal upper gastrointestinal bleeding**  
Jun Chul Park, Yonsei University, Korea
- UGI 2-3 **EUS guided stenting in upper GI obstruction**  
Andrea Anderloni, Humanitas Clinical and Research Hospital, Italy
- UGI 2-4 **Machine learning for stratification of NVUGIB**  
Namkug Kim, University of Ulsan, Korea

### 12:30-13:30 Sponsor Symposium 1 | sponsored by **inno.N**

*Moderator: Joo Young Cho, CHA University, Korea*

- SS 1 **Tegoprazan, the novel advance in the management of acid-related diseases**  
Tae Hee Lee, Soon Chun Hyang University, Korea



**13:30-15:00 UGI 3 [Asian Network] Current issues on *H. pylori* and endoscopy**

*Moderators: Oh Young Lee, Hanyang University, Korea  
Pinghong Zhou, Fudan University, China*

- UGI 3-1 Endoscopic features of *H. pylori* infection**  
Moon Kyung Joo, Korea University, Korea
- UGI 3-2 Endoscopies features of EGCa before and after eradication**  
Masaaki Kodama, Oita University, Japan
- UGI 3-3 The role of linked color imaging in endoscopic diagnosis of *Helicobacter pylori* infection**  
Sang Pyo Lee, Hallym University, Korea
- UGI 3-4 Artificial intelligence in the diagnosis of early gastric cancer**  
Jun-Won Chung, Gachon University, Korea

15:00-15:20 Break

**15:20-16:50 UGI 4 Challenging perspectives of ESD**

*Moderators: Joo Young Cho, CHA University, Korea  
Dilek Oğuz, University of Kırıkkale, Turkey*

- UGI 4-1 Traction methods to assist ESD**  
Seiichiro Abe, National Cancer Center Hospital, Japan
- UGI 4-2 Learning curve of ESD**  
Erkin Oztas, Eskisehir Osmangazi University, Turkey
- UGI 4-3 ESD indication for undifferentiated early gastric cancer: The results of Japan clinical oncology group study**  
Kohei Takizawa, Sapporo Kinentou Hospital, Japan
- UGI 4-4 Endoscopic submucosal dissection versus surgery for undifferentiated early gastric cancer**  
Ji Yong Ahn, University of Ulsan, Korea

# DAILY PROGRAM **June 25** Fri

## Lower GI

Room B

### 09:00-10:30 **LGI 1 Colonoscopy, quality is always the matter**

*Moderators: Hyun-Soo Kim, Chonnam National University, Korea  
David Hewett, The University of Queensland, Australia*

- LGI 1-1 Tips for safe and effective bowel preparation**  
Dong Il Park, Sungkyunkwan University, Korea
- LGI 1-2 Devices and techniques to improve adenoma detection rate**  
David Hewett, The University of Queensland, Australia
- LGI 1-3 Colonoscopy related perforation: Diagnosis, treatment & prevention**  
Gottumukkala S. Raju, The University of Texas MD Anderson Cancer Center, USA
- LGI 1-4 Can artificial intelligence improve the quality of colonoscopy?**  
Jeong-Sik Byeon, University of Ulsan, Korea

10:30-11:00 Break

### 11:00-12:30 **LGI 2 [KSGE-TSGE] In-depth session for colorectal ESD**

*Moderators: Dong Kyung Chang, Sungkyunkwan University, Korea  
Sadettin Hulagu, Kocaeli University, Turkey*

- LGI 2-1 Device and technique, what's new for ESD?**  
Yunho Jung, Soon Chun Hyang University, Korea
- LGI 2-2 Submucosal fibrosis during colorectal ESD, how to predict and overcome**  
Gozde Dervis Hakim, Tepecik Training and Research Hospital, Turkey
- LGI 2-3 My solution for ESD of huge laterally spreading tumors**  
Fatih Aslan, Koç University Hospital, Turkey
- LGI 2-4 Clinical outcomes of colorectal endoscopic submucosal dissection in Korea**  
Dong-Hoon Yang, University of Ulsan, Korea



**13:30-15:00 LGI 3 [KSGE-WEO] Recent update on screening and surveillance to prevent colorectal cancer**

*Moderators: Byung Ik Jang, Yeungnam University, Korea  
Evelien Dekker, Academisch Medisch Centrum - Universiteit van Amsterdam (AMC-UvA),  
Netherlands*

- LGI 3-1 CRC screening, should we move from FIT to colonoscopy?**  
Han-Mo Chiu, National Taiwan University Hospital, Taiwan
- LGI 3-2 The clinical implication of sessile serrated lesions for the prevention of CRC**  
Beom Jae Lee, Korea University, Korea
- LGI 3-3 Post-colonoscopy CRC: How much do we have and how can we reduce it?**  
Matt Rutter, University Hospital of North Tees and Newcastle University, UK
- LGI 3-4 CRC surveillance of high risk population, for whom and how?**  
Hyun-Soo Kim, Yonsei University Wonju, Korea

15:00-15:20 Break

**15:20-16:50 LGI 4 [KSGE-JGES] Role of endoscopy in inflammatory bowel diseases, what's new?**

*Moderators: Joo Sung Kim, Seoul National University, Korea  
Hironori Yamamoto, Jichi Medical University, Japan*

- LGI 4-1 Differential diagnosis of IBD based on endoscopic findings**  
Sung-Ae Jung, Ewha Womans University, Korea
- LGI 4-2 Endoscopic assessment of disease activity and decision-making for IBD treatment**  
Won Moon, Kosin University, Korea
- LGI 4-3 Surveillance colonoscopy using a high-definition scope: With or without dye?**  
Katsuyoshi Matsuoka, Toho University Sakura Medical Center, Japan
- LGI 4-4 Role of small bowel endoscopy in inflammatory bowel disease**  
Tomonori Yano, Jichi Medical University, Japan

# DAILY PROGRAM **June 25** Fri

## Pancreatobiliary

Room C

### 09:00-10:30 **PB 1 [KSGE-ESGE] Biliary stricture summit**

*Moderators: Jin Hong Kim, Ajou University, Korea  
George Webster, University College London and Royal Free Hospitals, UK*

- PB 1-1 Endoscopic diagnosis and treatment of PSC with dominant biliary stricture**  
George Webster, University College London and Royal Free Hospitals, UK
- PB 1-2 Endoscopic treatment of biliary stricture following the liver transplantation: Multiple plastic stents vs. Fully covered metal stent**  
Dongwook Oh, University of Ulsan, Korea
- PB 1-3 Endoscopic treatment of stricture at bilio-enteric anastomosis: EUS-guided first**  
Manuel Perez-Miranda, Hospital Universitario Rio Hortega, Spain
- PB 1-4 Endoscopic treatment of malignant hilar biliary stricture**  
Tae Hoon Lee, Soon Chun Hyang University, Korea

10:30-11:00 Break

### 11:00-12:30 **PB 2 [KSGE-JGES] Emerging trends of artificial intelligence for pancreatobiliary diseases**

*Moderators: Kwang Bum Cho, Keimyung University, Korea  
Ichiro Yasuda, University of Toyama, Japan*

- PB 2-1 AI in pancreatobiliary disease: Radiologist's view**  
Jung Hoon Kim, Seoul National University, Korea
- PB 2-2 Deep learning analysis for the diagnosis of malignancy of IPMN on EUS**  
Takamichi Kuwahara, Aichi Cancer Center Hospital, Japan
- PB 2-3 Deep learning analysis for the detection of pancreatic cancer on EUS**  
Ryosuke Tonzuka, Tokyo Medical University, Japan
- PB 2-4 Cytological diagnosis of EUS-FNA for suspected pancreatic cancer using AI**  
Yusuke Hashimoto, National Cancer Center Hospital East, Japan



**13:30-15:00 PB 3 Emerging ERCP/EUS technology for pancreatobiliary diseases**

*Moderators: Sang Soo Lee, University of Ulsan, Korea  
Takao Itoi, Tokyo Medical University, Japan*

- PB 3-1 Disposable single use duodenoscope**  
Sunguk Jang, Cleveland Clinic, USA
- PB 3-2 New version of single operator peroral cholangioscopy**  
Yun Nah Lee, Soon Chun Hyang University, Korea
- PB 3-3 Recently developed biliary stents for ERCP and EUS-intervention**  
Anthony Y.B. Teoh, The Chinese University of Hong Kong, Hong Kong
- PB 3-4 EUS-guided gene therapy for localized pancreatic cancer**  
Jin-Hyeok Hwang, Seoul National University, Korea

15:00-15:20 Break

**15:20-16:50 PB 4 Post-ERCP pancreatitis: Revisiting the unavoidable**

*Moderators: Ho Gak Kim, Daegu Catholic University, Korea  
Nonthalee Pausawasdi, Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand*

- PB 4-1 Pathophysiology: How does rectal NSAID work?**  
Tae Yoon Lee, Konkuk University, Korea
- PB 4-2 Pharmacology: Lactated ringer's solution – Is it the panacea?**  
Chang-Hwan Park, Chonnam National University, Korea
- PB 4-3 Pharmacology: Protease inhibitor – Is it an illusion?**  
Nonthalee Pausawasdi, Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand
- PB 4-4 Evidence for prophylactic pancreatic stent and role of double guidewire technique as a two-edged sword**  
Mamoru Takenaka, Kindai University, Japan
- PB 4-5 Early precut method including primary needle knife fistulotomy**  
Seok Jeong, Inha University, Korea





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# DAILY PROGRAM

June **26** *Sat*

**IDEN 2021**

International Digestive Endoscopy Network 2021

# DAILY PROGRAM **June 26** Sat

**13:00-14:00 Sponsor Symposium 3** | sponsored by **OLYMPUS**

*Moderator: Hyung Kil Kim, Inha University, Korea*

**SS3 This is the future of endoscopy: Beyond imagination**  
Jae Young Jang, Kyung Hee University, Korea

## Upper GI

Room A

**14:00-15:30 UGI 5 [KSGE-WEO] Endoscopy in the era of COVID-19**

*Moderators: Eun Young Kim, Daegu Catholic University, Korea  
Alessandro Repici, Humanitas University, Italy*

- UGI 5-1 Digestive symptoms of COVID-19**  
Jung Hwan Oh, The Catholic University of Korea, Korea
- UGI 5-2 Impact of COVID-19 on endoscopy training**  
Sravanthi Parasa, Swedish Medical Center, USA
- UGI 5-3 Protecting your endoscopy unit during COVID-19 pandemic**  
Eun Young Kim, Daegu Catholic University, Korea
- UGI 5-4 Management of IBD patients during COVID-19 pandemic**  
Helmut Neumann, University Medical Center Mainz, Germany

15:30-15:50 Break

**15:50-17:20 UGI 6 Bariatric endoscopy for obesity**

*Moderators: Youngdae Kim, Chosun University, Korea  
Christopher C. Thompson, Harvard Medical School, USA*

- UGI 6-1 Building an endobariatric program**  
Shelby Sullivan, University of Colorado Anschutz Medical Campus, USA
- UGI 6-2 Overview of bariatric and metabolic endoscopy intervention**  
Christopher C. Thompson, Harvard Medical School, USA
- UGI 6-3 A review of commonly performed bariatric surgeries**  
Joong-Min Park, Chung-Ang University, Korea
- UGI 6-4 Management of complications after bariatric procedures**  
Sung Kwan Shin, Yonsei University, Korea



# Live Demonstration

Room B

## 09:30-11:00 Live Demonstration 1 | Upper GI / Lower GI

*Moderators: Byung-Wook Kim, The Catholic University of Korea, Korea  
Bo-In Lee, The Catholic University of Korea, Korea*

LD 1-1

### Rectal ESD

Eun Sun Kim, Korea University, Korea

LD 1-2

### POEM / ESD (UGI)

Philip Wai Yan Chiu, The Chinese University of Hong Kong, Hong Kong

LD 1-3

### EUS (UGI)

Philip Wai Yan Chiu, The Chinese University of Hong Kong, Hong Kong

#### Panels

*Do Hoon Kim, University of Ulsan, Korea*

*Woon Geon Shin, Hallym University, Korea*

*Jae Seung Soh, Hallym University, Korea*

## 11:00-12:30 Live Demonstration 2 | Pancreatobiliary

*Moderators: Don Haeng Lee, Inha University, Korea  
Kyu Taek Lee, Sungkyunkwan University, Korea*

LD 2-1

### EUS-guided confocal microscopy and radiofrequency ablation (RFA) in IPMN

Rungsun Rerknimitr, Chulalongkorn University, Thailand

LD 2-2

### PB

Se-Woo Park, Hallym University, Korea

LD 2-3

### Cholangiocarcinoma with radio frequency ablation

D Nageshwar Reddy, Asian Institute of Gastroenterology, India

#### Panels

*Jimin Han, Daegu Catholic University, Korea*

*Won Jae Yoon, Ewha Womans University, Korea*

*Joo Kyung Park, Sungkyunkwan University, Korea*

*Jong Jin Hyun, Korea University, Korea*

# DAILY PROGRAM **June 26** Sat

## Lower GI

Room B

### 14:00-15:30 **[KSGE-ESGE] Optimized resection techniques for colorectal neoplasia**

*Moderators: Yoon-Tae Jeon, Korea University, Korea  
Helmut Messmann, University Clinic of Augsburg, Germany*

- LGI 5-1 Role and limitation of cold snaring**  
Tae-Geun Gweon, The Catholic University of Korea, Korea
- LGI 5-2 Conventional versus modified endoscopic mucosal resection for colorectal neoplasia**  
Bong Min Ko, Soon Chun Hyang University, Korea
- LGI 5-3 Endoscopic submucosal dissection, is it a universal key for laterally spreading tumors?**  
Mathieu Pioche, Hospital Edouard Herriot, France
- LGI 5-4 Clinical application of endoscopic full-thickness resection**  
Arthur Schmidt, University hospital of Freiburg, Germany

15:30-15:50 Break

### 15:50-17:20 **LGI 6 Innovation and expansion of endoscopy in lower GI disorders**

*Moderators: Tae Il Kim, Yonsei University, Korea  
Yutaka Saito, National Cancer Center Hospital, Japan*

- LGI 6-1 Optical diagnosis for colorectal neoplasia, what's new?**  
Yutaka Saito, National Cancer Center Hospital, Japan
- LGI 6-2 Endoscopic intervention for colonic obstruction**  
Jae Jun Park, Yonsei University, Korea
- LGI 6-3 Colon capsule endoscopy: Where are we?**  
Haruhiko Ogata, Keio University, Japan
- LGI 6-4 Fecal microbiota transplantation beyond *C. difficile* infection**  
Young-Seok Cho, The Catholic University of Korea, Korea



# Pancreatobiliary

Room C

## 09:00-10:30 PB 5 Video session: Troubleshooting in pancreatobiliary endoscopy – road to expert

*Moderators: Seungmin Bang, Yonsei University, Korea  
Hiroyuki Isayama, Juntendo University, Japan*

### PB 5-1 Special lecture- complications of pancreatobiliary endoscopy: Looking at what you don't want to see

David L. Carr-Locke, Weill Cornell Medicine / New York-Presbyterian Hospital, USA

### PB 5-2 Post-sphincterotomy bleeding

Se-Woo Park, Hallym University, Korea

### PB 5-3 Impaction of the stone and basket

Min Kyu Jung, Kyungpook National University, Korea

### PB 5-4 ERCP for post-operative altered anatomy

Min Jae Yang, Ajou University, Korea

10:30-11:00 Break

## 11:00-12:00 Sponsor Symposium 2 | sponsored by DAEWON

*Moderator: Sung Kook Kim, Kyungpook National University, Korea*

### SS2 NSAIDs and PPI, focusing on the new guidelines

Sujin Kim, Pusan National University, Korea

## 14:00-15:30 PB 6 Debate session: EUS-guided ablation for pancreatic cystic lesions

*Moderators: Dong-Wan Seo, University of Ulsan, Korea  
Jin-Young Jang, Seoul National University, Korea  
Jong Kyun Lee, Sungkyunkwan University, Korea  
William Brugge, Massachusetts General Hospital, USA*

### PB 6-1 EUS-guided ablation vs. Wait and see

Kwang Hyuck Lee, Sungkyunkwan University, Korea

### PB 6-2 EUS-guided ablation vs. Wait and see

Tae Jun Song, University of Ulsan, Korea

### PB 6-3 Ethanol+chemotherapeutic admixture vs. Saline+chemotherapeutic admixture

Sang Hyub Lee, Seoul National University, Korea

# DAILY PROGRAM **June 26** Sat

## 14:00-15:30 **PB 6 Debate session: EUS-guided ablation for pancreatic cystic lesions**

*Moderators: Dong-Wan Seo, University of Ulsan, Korea  
Jin-Young Jang, Seoul National University, Korea  
Jong Kyun Lee, Sungkyunkwan University, Korea  
William Brugge, Massachusetts General Hospital, USA*

**PB 6-4 Ethanol+chemotherapeutic admixture vs. Saline+chemotherapeutic admixture**

Do Hyun Park, University of Ulsan, Korea

**PB 6-5 EUS-guided aspiration with molecular analysis vs. Surgery**

Sang Hyun Shin, Sungkyunkwan University, Korea

**PB 6-6 EUS-guided aspiration with molecular analysis vs. Surgery**

Hyoung-Chul Oh, Chung-Ang University, Korea

**Panel discussion**

*Moderators and Speakers*

15:30-15:50 Break

## 15:50-17:20 **PB 7 Updates on diagnosis and management of hilar cholangiocarcinoma**

*Moderators: Jong Ho Moon, Soon Chun Hyang University, Korea  
Michel Kahaleh, Rutgers Robert Wood Johnson School, USA*

**PB 7-1 Endoscopic diagnosis: Brush cytology with biopsy vs. EUS-FNA**

Chang Min Cho, Kyungpook National University, Korea

**PB 7-2 Preoperative and palliative biliary drainage**

Jae Hee Cho, Yonsei University, Korea

**PB 7-3 Endoscopic treatment: Photodynamic therapy vs. Radiofrequency ablation**

Michel Kahaleh, Rutgers Robert Wood Johnson School, USA

**PB 7-4 Surgical treatment in 2021**

Gi Hong Choi, Yonsei University, Korea

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# POSTERS

**IDEN 2021**

International Digestive Endoscopy Network 2021

# POSTERS

## Upper GI

- PUG-01**    **Endoscopic and surgical outcomes of deliberate foreign body ingestion (DFBI) amongst adults**  
Maria-Kassandra Endaya Coronel, Paz Ines Domingo, Stephanie Lee, Marycris Alenton, Madiha Zaidi (Philippines)
- PUG-02**    **Evaluation of clinical usefulness of LCI at the diagnosis EGC and gastric dysplasia based by color contrast**  
Dae Joon Kim, Jung Min Lee, Young Kwan Cho, Joo Young Cho, In Kyung Yoo, Seong Hwan Kim (Korea)
- PUG-03**    **Therapeutic application of hyperin as anti-ulcer agent: Potential role of natural inhibitors in the gastric ulcer**  
Dinesh Kumar Patel (India)
- PUG-04**    **Therapeutic benefit of quassin in the peptic ulcer: Biological importance and therapeutic benefit in the medicine**  
Dinesh Kumar Patel (India)
- PUG-05**    **Clinical outcome and safety of POEM between first treatment and treatment failure in achalasia patients**  
Dong in Kim, Joo Young Cho, Byeong Jin Jeong, In Kyung Yoo (Korea)
- PUG-06**    **Therapeutic potential and antimicrobial activity of cirsimaritin: An updated scientific data analysis**  
Kanika Patel, Dinesh Kumar Patel (India)
- PUG-07**    **Therapeutic importance of scopadulciol in the medicine for the treatment of various forms of gastric disorders**  
Kanika Patel, Dinesh Kumar Patel (India)
- PUG-08**    **Therapeutic importance of quassin for their antiulcer activity in the medicine: Biological role in the medicine**  
Kanika Patel (India)
- PUG-09**    **Biological effect of cirsimaritin against gallbladder carcinoma: An update on pharmacological and medicinal activities**  
Dinesh Kumar Patel (India)
- PUG-10**    **Endoscopic submucosal dissection and barrett's esophagus - results of the german ESD registry**  
Carola Fleischmann, Andreas Probst, Alanna Ebigbo, Siegbert Faiss, Brigitte Schumacher, Matthias Mende, Viktor Rempel, Christian Rust, Helmut Messmann (Germany)
- PUG-11**    **Yield of endoscopy in admitted patients without overt gastrointestinal bleeding**  
Masood Muhammad Karim (Pakistan)





- PUG-12**      **Therapeutic benefit and biological potential of tricetin on liver cancer: Biological application in the health sectors**  
Dinesh Kumar Patel (India)
- PUG-13**      **Association between a regular arrangement of collecting venules and absence of *Helicobacter pylori* infection**  
Van Minh Nguyen (Vietnam)
- PUG-14**      **Mid-term and long-term outcomes of peroral endoscopic myotomy for achalasia: A systematic review and meta-analysis**  
Xiaowei Tang, Han Zhang, Yan Peng (China)
- PUG-15**      **Role of urgent endoscopy in patients with suspected upper gastrointestinal bleeding**  
Jeemyoung Kim, Eunjeong Gong, Myeongsook Seo, Hyunil Seo, Jongkyu Park, Sangjin Lee, Koonhee Han, Youngdon Kim, Woojin Jeong, Gabjin Cheon (Korea)
- PUG-16**      **Reversibility of endoscopic findings after treatment for eosinophilic esophagitis**  
Hong Jin Yoon, Young Hoon Youn, Jun Chul Park, Hyojin Park (Korea)
- PUG-17**      **“One stop” clinic for upper gastrointestinal cancer – an alternative to ‘straight to test’ referrals?**  
Marina Yiasemidou, Ross Lathan, Manfred Lambertz, Chitakattil Oommen, Ian Chetter (United Kingdom)
- PUG-18**      **Endoscopic enucleation is effective and relatively safe in small gastric subepithelial tumors**  
Jung Hyun Lim, Weonjin Ko (Korea)
- PUG-19**      **Clinical usefulness of stainless steel weight assisted endoscopic submucosal dissection**  
Jeongyun Shim, Eun Sun Kim, Jae Min Lee, Hyuk Soon Choi, Bora Keum, Yoon Tae Jeen, Hoon Jai Chun (Korea)
- PUG-20**      **CDSS for the detection, diagnosis, and invasion depth prediction of gastric neoplasms in endoscopy using deep-learning**  
Chang Seok Bang, Gwang Ho Baik (Korea)
- PUG-21**      **Candidate markers for prediction of metachronous gastric cancer in patients undergoing ESD for early gastric cancer**  
Bokyung Kim, Harim Chun, Jungmin Choi, Seungkyung Kang, Eunwoo Lee, Jinju Choi, Hyunsoo Chung, Sang Gyun Kim, Soo-Jeong Cho (Korea)
- PUG-22**      **Clinical characteristics and outcomes of POEM in achalasia with normal IRP patients**  
Hyunjung Lee, Jung Min Lee, Young Kwan Cho, Seong Hwan Kim, Joo Young Cho, In Kyung Yoo (Korea)
- PUG-23**      **Investigation of predictors for post POEM (per oral endoscopic myotomy) gastroesophageal reflux**  
Hyo Joo Kang, Young Kwan Cho, Jung Min Lee, Seong Hwan Kim, Joo Young Cho, In Kyung Yoo (Korea)

- PUG-24**     **Regulated gene analysis of noble irreversible electroporation using microarray**  
Han Jo Jeon, Hoon Jai Chun, Geon Park, Jeongyun Shim, Ji Young Yoon, Eun Ju Bang, Kang Won Lee, Sang Hyun Kim, Jae Min Lee, Hyuk Soon Choi, Eun Sun Kim, Yoon Tae Jeon, Hong Sik Lee (Korea)
- PUG-25**     **Abnormal esophageal acid exposure as a risk factor for acute coronary syndrome**  
Ji Hea Bang, Seung Han Kim, Jong Jae Park, Beom Jae Lee, Moon Kyung Joo, Won Shik Kim, Ah Young Yoo, Hoon Jai Chun, Sang Woo Lee (Korea)
- PUG-26**     **Endoscopic resection of extra-gastrointestinal tumors: A further expansion of endoscopic surgery**  
Ma Liyun, Liu Zuqiang, Chen Weifeng, Li Quanlin, Zhou Pinghong (China)
- PUG-27**     **Comparison between i-scan-optical enhance and chromoendoscopy for evaluating the horizontal margin of gastric neoplasm**  
Yeo Wool Kang, Myeongseok Koh, Jong Yoon Lee, Jin Seok Jang, Seong Woo Jeon, Su Jin Kim, Song Hee Han (Korea)
- PUG-28**     **Ineffective esophageal motility is not associated with clinical outcome after laparoscopic fundoplication**  
Sang Hyun Kim, Bora Keum, Han Jo Jeon, Seung Han Kim, Jae Min Lee, Hyuk Soon Choi, Eun Sun Kim, Yoon Tae Jeon, Hong Sik Lee, Hoon Jai Chun (Korea)
- PUG-29**     **Comparative study of ESD and surgical resection for gastric sets originated from muscularispropria**  
Chang Beom Ryu, Jun Yong Bae, Moon Sung Lee (Korea)
- PUG-30**     **Long-term outcomes of ESD for undifferentiated early gastric cancer, beyond expanded criteria**  
Chang Beom Ryu, Jun Yong Bae, Moon Sung Lee (Korea)
- PUG-31**     **Analysis of predictive factors for post-POEM GERD based on HRM finding**  
Se Yeon Jeon, Young Hoon Youn, Jun Chul Park, Yong Chan Lee, Hyojin Park (Korea)
- PUG-32**     **Impact of antiplatelet use on the risk of bleeding after endoscopic submucosal dissection for gastric neoplasm**  
Shin Ju Oh, Jae-Young Jang, Gi-Ae Kim, Chi Hyuk Oh, Jung-Wook Kim, Chang Kyung Lee (Korea)
- PUG-33**     **Adverse events after endoscopic submucosal dissection for gastric neoplasms: A population-based study**  
Jung-Wook Kim, Jun Kyu Lee, Jae-Young Jang, Tae-Hee Lee, Hyuk Soon Choi, In-Hwan Oh (Korea)
- PUG-34**     **Metachronous cancer after endoscopic submucosal dissection for early gastric cancer with undifferentiated histology**  
Kyung Jun Lee, Jung-Wook Kim, Shin Ju Oh, Gi-Ae Kim, Chi Hyuk Oh, Jae-Young Jang (Korea)
- PUG-35**     **Incidence and survival rates of lymphoepithelioma-like gastric carcinoma**  
Jin-Woo Kim, Hee Man Kim (Korea)
- PUG-36**     **Endoscopic treatment strategy for anastomosis site leakage after gastric surgery**  
Myeongseok Koh, Min-Chan Kim, Jin Seok Jang (Korea)



- PUG-37**     **The efficacy of robot arm assisted traction in gastric endoscopic submucosal dissection: An animal study**  
Jieun Ryu, Joonhwan Kim, Dongho Lee, Seung Woo Lee, Dong-Soo Kwon (Korea)
- PUG-38**     **Clinical correlation with morphologic restoration and symptom after peroral endoscopic myotomy (POEM)**  
Hyunjung Lee, Jung Min Lee, Young Kwan Cho, Seong Hwan Kim, Joo Young Cho, In Kyung Yoo (Korea)
- PUG-39**     **Comparison of the visibility of malignant lesion of stomach between LCI, BLI and WLI**  
Hyo Joo Kang, Young Kwan Cho, Jung Min Lee, Seong Hwan Kim, Joo Young Cho, In Kyung Yoo (Korea)
- PUG-40**     **Comparison of the microbiome diveristy in gastric cancer patients and in non-cancerous patients**  
Eun Joo Bang, Hyuk Soon Choi, Jae Min Lee, Eun Sun Kim, Bora Keum, Yoon Tae Jeen, Hoon Jai Chun (Korea)
- PUG-41**     **Should small gastric subepithelial tumors measuring  $\leq 2$  cm undergo endoscopic resection?**  
Dong in Kim, Joo Young Cho, Dae Suk Noh, In Kyung Yoo (Korea)
- PUG-42**     **The use of underwater endoscopic mucosal resection for the resection of duodenal neuroendocrine tumor**  
Sujin Kim (Korea)
- PUG-43**     **APC is safe and effective compared with EMR or ESD in treatment of smaller gastric low grade dysplasia**  
Dong Hyun Lee, Hyung Gil Kim (Korea)
- PUG-44**     **Our experience with the diagnosis of linitis plastica**  
Kanat Batyrbekov, Ainur Galiakbarova, Asset Ualikhanov (Kazakhstan)
- PUG-45**     **Endoscopic submucosal dissection versus surgery in undifferentiated-type early gastric cancer: A systematic review**  
Hyo-Joon Yang, Jie-Hyun Kim, Na Won Kim, Il Ju Choi (Korea)
- PUG-46**     **Nexpowder to prevent benign stricture after large esophageal endoscopic submucosal dissection**  
Weonjin Ko, Boram Cha, Jongbeom Shin, Kye Sook Kwon, Hyung Kil Kim (Korea)
- PUG-47**     **Comparison of the treatment outcomes of endoscopic resections of GI stromal tumors in the stomach**  
Weonjin Ko, Boram Cha, Jongbeom Shin, Kye Sook Kwon, Hyung Kil Kim (Korea)
- PUG-48**     **An unusual case of metachronous squamous cell carcinoma of pancreas and stomach in an old female patient**  
Ji Hyun Kim, Seung-Joo Nam, Sung Chul Park, Chang Don Kang, Kyu Hyung Lim, Sung Joon Lee (Korea)

- PUG-49**     **Safety of early feeding after endoscopic submucosal dissection for gastric neoplasms**  
Bo Ra Han, Young-Eun Joo (Korea)
- PUG-50**     **Long-term outcomes of endoscopic submucosal dissection vs. surgery for undifferentiated intramucosal early gastric cancer**  
Choong-Kyun Noh, Gil Ho Lee, Eunyoung Lee, Bumhee Park, Jin Roh, Sun Gyo Lim, Sung Jae Shin, Kee Myung Lee (Korea)
- PUG-51**     **A diagnostic method for gastric cancer using two-photon microscopy with enzyme-selective fluorescent probes**  
Choong-Kyun Noh, Chang Su Lim, Gil Ho Lee, Myung Gi Cho, Hyo Won Lee, Jin Roh, Young Bae Kim, Eunyoung Lee, Bumhee Park, Hwan Myung Kim, Sung Jae Shin (Korea)
- PUG-52**     **A rare case of massive bleeding of gastric fundal diverticulum**  
Chan Muk Lim, Hyung Hoon Oh, Bo Ra Han, Hyung Ju Yoo, Woo Rim Kang, Jae Kyoung So, Min-Woo Chung, Ji-Yun Hong, Ki Hyun Kim, Dae-Seong Myung, Sung Bum Cho, Wan Sik Lee, Young-Eun Joo (Korea)
- PUG-53**     **A case of HCC necrosis associated with mesh closure and histoacryl inject as treatment for esophago-bronchial fistula**  
Hyung Joo Yoo, Chan Muk Im, Hyung Hoon Oh, Bo Ra Han, Woo Rim Kang, Jae Kyoung So, Min-Woo Chung, Ji-Yun Hong, Ki Hyun Kim, Dae-Seong Myung, Sung Bum Cho, Wan Sik Lee, Young-Eun Joo (Korea)
- PUG-54**     **Pyloric gland adenoma of the esophagus treated by endoscopic submucosal dissection**  
Kwangbeom Park, Do Hoon Kim, Sung Duck Lee, Hyun Lee, Hwoon-Yong Jung (Korea)
- PUG-55**     **The external validation of ABC score in upper and lower gastrointestinal bleeding in asian population**  
Onuma Sattayalerthyanyong, Uayporn Kaosombatwattana, Manassawee Chakpaisarn, Aniwat Saleepol, Julajak Limsrivilai, Nonthalee Pausawasdi, Phunchai Charatcharoenwittaya, Somchai Leelakusolvong (Thailand)
- PUG-56**     **Surgical versus endoscopic resection for patients with 2-5 cm gastric gastrointestinal stromal tumors**  
Hao Wu, Liang Shang, Leping Li (China)
- PUG-57**     **Hemangioma of liver showing gastric subepithelial mass like lesion**  
Suhyun Park, Hang Lak Lee (Korea)
- PUG-58**     **Undifferentiated pleomorphic sarcoma of stomach presenting as gastrointestinal bleeding**  
Recep Cecen, Betul Piyade, Gurhan Sisman (Turkey)
- PUG-59**     **Comparison between i-scan-optical enhancement and chromoendoscopy for evaluating the margin of gastric neoplasm**  
Myeongseok Koh, Jong Yoon Lee, Jin Seok Jang, Seong Woo Jeon, Su Jin Kim, Song-Hee Han (Korea)
- PUG-60**     **BRIP-1 gene mutation and polyposis syndrome: Presentation of a case report and review of literature**  
Jaehoon Kim, Jin Seok Jang, Myeongseok Koh (Korea)



- PUG-61**      **Influence of the preoperative nutritional status in patients with upfront surgery for esophageal cancer**  
Jin Hee Noh, Hee Kyong Na, Yong-Hee Kim, Ho June Song, Hyeong Ryul Kim, Kee Don Choi, Gin Hyug Lee, Hwoon-Yong Jung (Korea)
- PUG-62**      **Scoring systems for predicting clinical outcomes and endoscopic intervention requirement in peptic ulcer bleeding**  
Jin Hee Noh, Boram Cha, Ji Yong Ahn, Hee Kyong Na, Jeong Hoon Lee, Kee Wook Jung, Do Hoon Kim, Kee Don Choi, Ho June Song, Gin Hyug Lee, Hwoon-Yong Jung (Korea)
- PUG-63**      **Outcomes of endoscopic submucosal dissection for superficial esophageal neoplasms in patients with liver cirrhosis**  
Jin Hee Noh, Young Kwon Choi, Do Hoon Kim, Hee Kyong Na, Ji Yong Ahn, Jeong Hoon Lee, Kee Wook Jung, Kee Don Choi, Ho June Song, Gin Hyug Lee, Hwoon-Yong Jung (Korea)
- PUG-64**      **Gastric ectopic pyloric opening : A rare case**  
Keonhee Kim, Jin Seok Jang, Myeongseok Koh (Korea)
- PUG-65**      **Efficacy and safety of one-step knife compared to conventional insulated tip knife for endoscopic submucosal dissection**  
Dae Gon Ryu, Cheol Woong Choi, Su Jin Kim, Dae Hwan Kang, Hyung Wook Kim, Su Bum Park, Hyeong Seok Nam (Korea)
- PUG-66**      **Effectiveness of pre-ESD endoscopic examination for gastric neoplasms**  
Woo Rim Kang, Young Eun Joo, Bo Ra Han, Chan Muk Im, Hyung Ju Yoo, Hyung Hoon Oh, Jae Kyung So, Min-Woo Chung, Ji-Yun Hong, Ki Hyun Kim, Dae Seong Myung, Sun Young Park, Sung Bum Cho, Wan Sik Lee (Korea)
- PUG-67**      **Development of operational definitions for clinical outcomes of gastric endoscopic resection for big data analysis**  
Jae Yong Park, Jae Gyu Kim, Beom Jin Kim, Mi-Sook Kim (Korea)
- PUG-68**      **A case of acute esophageal necrosis: Black esophagus**  
Suhyun Park, Hang Lak Lee (Korea)
- PUG-69**      **Accuracy of linked-color imaging for diagnosis of *H. pylori* infection**  
Nattawut Keeratibharat (Thailand)
- PUG-70**      **Endoscopic ultrasound guided fine needle biopsy of gastric submucosal lymphovascular structures in a porcine model**  
Sun Gyo Lim (France, Korea), Leonardo Sosa Valencia, Véronique Lindner, Barbara Seeliger, Swanstrom Lee (France)
- PUG-71**      **The stretta procedure for the treatment of GERD: A Korea single center study**  
Yu Kyung Cho, Ga-Yeong Shin, Jae Myung Park, Myung-Gyu Choi (Korea)
- PUG-72**      **Comparison of core-knife to conventional IT-2 knife in endoscopic submucosal dissection for gastric mucosal lesions**  
Myeongsoon Park, Dong Woo Shin, Jung Seok Kim, Yoo Jin Lee, Ju Yeop Lee, Kwang Bum Cho (Korea)

- PUG-73**     **Difference in the prevalence of advanced colon adenoma between patients with gastric neoplasm and healthy people**  
Myeongseok Koh, Min-Chan Kim, Jin Seok Jang (Korea)
- PUG-74**     **Intragastric balloon for obesity treatment in Vietnam: Efficacy and safety**  
Nguyen Ngoc Thanh, Luu Ngoc Doan Hung, Truong Van Luat, Vu Van Khien (Vietnam)
- PUG-75**     **Gastric mucormycosis : Presentation of a case report and review of literature**  
Wonyul Yang, Jin Seok Jang, Meongseok Koh (Korea)



## Lower GI

- PLG-01**     **Comparison of colonoscopic performances according to the type of instruments**  
Ik Hyun Jo, Kang-Moon Lee (Korea)
- PLG-02**     **Biological potential of poncirin as a main constituent poncirus trifoliolate attenuates colitis**  
Dinesh Kumar Patel, Kanika Patel (India)
- PLG-03**     **Comparison of efficacies between a new flare-end covered stent and uncovered stent for malignant colorectal obstruction**  
Soo Jung Park, Hyun Jung Lee, Jae Jun Park, Jae Hee Cheon, Won Ho Kim, Tae-II Kim (Korea)
- PLG-04**     **The long term efficacy and safety of argon plasma coagulation in moderate to severe chronic radiation proctitis**  
Hameed Raina (India)
- PLG-05**     **1L vs. 2L polyethylene glycol with ascorbate for bowel preparation in elderly patients: A randomized multicenter study**  
Jin Young Yoon, Jae Myung Cha, Hyun Gun Kim, Young Seok Cho, Ha Il Kim (Korea)
- PLG-06**     **A simple scoring model using endoscopic features for selection of colorectal cancer amenable to endoscopic resection**  
Jongwook Yu, Young Min Kim, Jae Woo Shin, Jie-Hyun Kim, Young Hoon Youn, Hyojin Park, Yunho Jung, Jae Jun Park (Korea)
- PLG-07**     **Long-term outcomes of early colorectal cancer treated by endoscopic submucosal dissection: Multicenter cohort study**  
Jongbeom Shin, Eun Ran Kim, Hyun Joo Jang, Dong Hoon Baek, Dong-Hoon Yang, Bo-In Lee, Kwang Bum Cho, Jin Woong Cho, Sung-Ae Jung, Bong-Min Ko (Korea)
- PLG-08**     **Complicated and difficult case of colitis with multiple co-infections and an underlying ulcerative colitis**  
Sung Kyun Yim, Seung Young Seo, Soo Teik Lee (Korea)
- PLG-09**     **Is colorectal ESD a safe and effective method in tumors of 15 to 19 mm size?**  
Yunho Jung, Hong Jin Yoon, Young Sin Cho, Il Kwun Chung (Korea)
- PLG-10**     **Usefulness of fluoroscopy for endoscopic balloon dilation in patients with Crohn's disease-related strictures**  
Hyun Seok Lee (Korea), Michael Chiorean (United States)
- PLG-11**     **Comparative effectiveness of second-line biological therapies for ulcerative colitis and Crohn's disease in patients with prior failure of anti-tumour necrosis factor treatment**  
Hye Kyung Hyun, Jongwook Yu, Eun Ae Kang, Jihye Park, Soo Jung Park, Jae Jun Park, Tae Il Kim, Won Ho Kim, Jae Hee Cheon (Korea)
- PLG-12**     **Radiology plus ileocolonoscopy versus radiology alone in Crohn's disease: Prognosis prediction and mutual agreement**  
Hye Kyung Hyun, Jongwook Yu, Eun Ae Kang, Jihye Park, Soo Jung Park, Jae Jun Park, Tae Il Kim, Won Ho Kim, Jae Hee Cheon (Korea)

- PLG-13**    **The effectiveness and stability of etomidate as a single sedative during upper and lower endoscopy**  
Suhjoon Lee, Jongbeom Shin, Weonjin Ko, Yong Woon Shin, Kye Sook Kwon, Hyung Kil Kim (Korea)
- PLG-14**    **Efficacy and safety of oral sulfate tablet for the bowel preparation in patients with inflammatory bowel disease**  
Kyeong Ok Kim, Eun Young Kim, Yoo Jin Lee, Byung Ik Jang, Hyun Seok Lee, Eun Soo Kim, Sung Kook Kim, Yun Jin Chung, Chang Heon Yang (Korea)
- PLG-15**    **Surveillance endoscopy strategy and clinical outcome of multiple colorectal polyps**  
Jin Hwa Park, Sung Wook Hwang, Sang Hyoung Park, Dong-Hoon Yang, Byoung Duk Ye, Seung-Jae Myung, Suk-Kyun Yang, Jeong-Sik Byeon (Korea)
- PLG-16**    **A case of synchronous small bowel gastrointestinal stromal tumour and colorectal adenocarcinoma in a patient with melena**  
Joune Seup Lee (Korea)
- PLG-17**    **Predictors of clinical outcomes of self-expandable metal stent treatment for left-sided malignant colorectal obstruction**  
Hyung-Hoon Oh, Ji-Yun Hong, Hee-Chan Yang, Sang-Wook Kim, Jun Lee, Seong-Jung Kim, Yeom-Dong Han, Geom-Seok Seo, Gun-Young Hong, Ho-Dong Kim, Hyun-Soo Kim, Young-Eun Joo (Korea)
- PLG-18**    **Clinical profile and outcome of savary gilliard dilatation in rectosigmoid strictures a prospective study from India**  
Hameed Raina (India)
- PLG-19**    **Anchoring EMR vs. conventional EMR for colorectal polyps: A randomized controlled trial**  
Chang Kyo Oh, Sung Hak Lee, Young-Seok Cho, Bo-In Lee (Korea)
- PLG-20**    **Clinical outcomes of early colon cancer, diagnosed after endoscopic resection**  
Ji Hea Bang, Beom Jae Lee, Jong Jae Park, Moon Kyung Joo, Seung Han Kim, Won Sik Kim, Ah Young Yoo (Korea)
- PLG-21**    **1-L and 2-L PEG with ascorbic acid in a split method for bowel preparation in patients with ulcerative colitis**  
Ji Min Lee, Kang-Moon Lee, Duk Hwan Kim, Keehyung Hong (Korea)
- PLG-22**    **Discrete terminal ileal ulcers in patients diagnosed with ulcerative colitis: Clinical significance and natural course**  
Hyo-Jin Lim, Jae Seung Soh, Hyun Lim, Ho Suk Kang, Jong Hyeok Kim (Korea)
- PLG-23**    **Randomized comparison of cold snare polypectomy versus cold endoscopic mucosal resection for small colorectal polyps**  
Min Ji Kim, Joon Sung Kim (Korea)
- PLG-24**    **Microscopic alert for an ischemic colon**  
Rajendra Patel, Sandeep Gopal, B V Tantry, Suresh Shenoy, Anurag Shetty (India)





- PLG-25**      **Comparing very-low dose polyethylene glycol plus ascorbate and oral sulfate solution for colonoscopic bowel preparation**  
Jung Min Moon, Hyun Jung Lee, Hosim Soh, Hyuk Yoon, Seong-Joon Koh, Jong Pil Im, Young Soo Park, Ji Won Kim, Joo Sung Kim (Korea)
- PLG-26**      **Successful endoscopic resection of rectal gastrointestinal stromal tumor larger than 5 cm**  
Su Young Kim, Seong Jung Kim, Jun Lee, Yun Jung, Ran Hong (Korea)
- PLG-27**      **Artificial intelligence model may aid to predict lymph node metastasis in T1 colorectal cancer**  
Seung Wook Hong, Da Eun Kim, Ji Young Lee, Sang Hyong Park, Dong-Hoon Yang, Byong Duk Ye, Seung-Jae Myung, Suk-Kyun Yang, Namkug Kim, Jeong-Sik Byeon (Korea)
- PLG-28**      **The association between peripheral artery disease and advanced colorectal neoplasm with the ankle-brachial index**  
Sang Hoon Lee, Sung Chul Park, Sung Joon Lee, Chang Don Kang, Jin Myung Park, Seung-Joo Nam, Ji Hyun Kim (Korea)
- PLG-29**      **Endoscopic features predictive of active histological inflammation based on nancy index in UC with Mucosal Healing**  
Kisung Kim, Seung Yong Shin, Chang Won Choi, Jung Min Moon, Hee Sung Kim, Chang Hwan Choi (Korea)
- PLG-30**      **Effect of dietary fibers in IBD patients with clinical remission**  
 Phalat Sathirawich, Julajak Limsrivilai, Pornpoj Pramyothin, Iyarit Thaipisuttikul, Nonthalee Pausawasdi, Phunchai Charatcharoenwitthaya, Rungnapha Sarasak, Phutthaphorn Phaophu, Nichcha Subdee, Sathaporn Manatsathit (Thailand)
- PLG-31**      **Intragastric fluid in patients with bowel preparation using 1L polyethylene glycol plus ascorbic acid**  
Soo-Jeong Han, Tae-Geun Gweon (Korea)
- PLG-32**      **Comparison of 4L polyethylene glycol and 2L polyethylene glycol plus ascorbic acid in elderly patients**  
Hyo Suk Kim, Tae-Geun Gweon (Korea)
- PLG-33**      **Prediction of technically difficult endoscopic submucosal dissection for superficial colorectal tumors**  
Bing Li, Yunshi Zhong, Pinghong Zhou (China)
- PLG-34**      **Paradoxical effect of probiotics mixture against Clostridium difficile growth inhibition**  
 Dong Ho Lee, Jung Hyun Kim, Ki Sung Kang, Jin Sol Lee, Na Ri Lim, Won Suk Lee, Young Soo Park, Cheol Min Shin, Hyuk Yoon, Na Young Kim, Eun Ji Lee, Yu Jin Kim, Mun Jin Ju, Ye Ji Choi (Korea)
- PLG-35**      **Effective growth inhibition of Clostridium difficile by bacterial supernatant from human feces**  
 Dong Ho Lee, Jung Hyun Kim, Ki Sung Kang, Jin Sol Lee, Na Ri Lim, Won Suk Lee, Young Soo Park, Cheol Min Shin, Hyuk Yoon, Na Young Kim, Eun Ji Lee, Yu Jin Kim, Mun Jin Ju, Ye Ji Choi (Korea)

- PLG-36**      **Evaluation of microbial viability by period of stool frozen stock for fecal microbiota transplantation**  
Dong Ho Lee, Jung Hyun Kim, Ki Sung Kang, Jin Sol Lee, Na Ri Lim, Won Suk Lee, Young Soo Park, Cheol Min Shin, Hyuk Yoon, Na Young Kim, Eun Ji Lee, Yu Jin Kim, Mun Jin Ju, Ye Ji Choi (Korea)
- PLG-37**      **Colon cancer with obstruction and distant metastasis in a patient with longstanding ulcerative colitis: A case report**  
Kyang Hwa Lee, Sun-Jin Boo, Ho Gyung Jun, Chang Lim Hyun, Seong Taeg Kim, Seong Kyun Na, Hyun Joo Song, Eun Kwang Choi, Heung up Kim, Byung-Cheol Song (Korea)
- PLG-38**      **Plasma-based detection of microsatellite instability in colorectal cancer**  
Won Shik Kim, Beom Jae Lee, Jong-Jae Park, Moon Kyung Joo, Seung Han Kim, Hoon Jae Chun, Sang Woo Lee (Korea)
- PLG-39**      **Identification and validation of differentially expressed genes associated with high-risk colon adenoma by RNA sequence analysis**  
Yu-Chang Lee, Beom-Jae Lee, Jong-Jae Park, Moon-Kyung Joo, Seung-Han Kim (Korea)
- PLG-40**      **Dye-spray chromoendoscopy is a still way to go in dysplasia surveillance in inflammatory bowel disease: A meta-analysis**  
Seung Wook Hong, Jiyoung Yoon, Jin Hwa Park, Sang Hyoung Park, Byong Duk Ye, Jeong-Sik Byeon, Seung-Jae Myung, Suk-Kyun Yang, Dong-Hoon Yang (Korea)
- PLG-41**      **Role of early capsule endoscopy in overt obscure GI bleeding**  
Hyun Joo Jang, Sang Pyo Lee, Sea Hyub Kae, Jin Lee (Korea)
- PLG-42**      **Deep learning model to predict the risk of colorectal cancer focused on personal life-log data: Results from two nationwide long-term follow up studies**  
Youn I Choi, Dong Kyun Park, Yoon Jae Kim, Jun-Won Chung, Jung Ho Kim, Kyoung Oh Kim, Kwang Ki Kim, Kwang an Kwon, Young Jae Kim (Korea)
- PLG-43**      **Effect of ultra-processed food intake on the risk of colorectal cancer: Results from two nationwide long-term follow-up studies in Korea**  
Youn I Choi, Dong Kyun Park, Jun-Won Chung, Kyoung Oh Kim, Jung Ho Kim, Kwang an Kwon, Yoon Jae Kim (Korea)



# Pancreatobiliary

- PPB-01**     **Comparison of diagnostic efficacy of liquid-based cytology and conventional smears in biliary tract cancer**  
Min Woo Lee, Sang Hyub Lee, Woo Hyun Paik, Jung Won Chun, Gunn Huh, Nam Young Park, Joo Seong Kim, In Rae Cho, Ji Kon Ryu, Yong Tae Kim, Hae Ryoung Kim, Kyoung Bun Lee (Korea)
- PPB-02**     **Brush cytology, forceps biopsy, or endoscopic ultrasound-guided sampling for bile duct cancer: A meta-analysis**  
Seung Bae Yoon, Sung-Hoon Moon, Sung Woo Ko, Hyun Lim, Ho Suk Kang, Jong Hyeok Kim (Korea)
- PPB-03**     **Association between chemotherapy response and metal stent patency in patients with advanced pancreatic cancer**  
Jinwoo Ahn, Jae Hyup Jung, Jaewoo Park, Kwangrok Jung, Jong-Chan Lee, Jinhyeok Hwang, Dong-Won Ahn, Ji Bong Jung, Jaihan Kim (Korea)
- PPB-04**     **Combined endoscopic retrograde and endosonography-guided for repairing post-cholecystectomy transected bile ducts**  
Marina De Bento Sanz, Ana Yaiza Carbajo, Ramón Sánchez-Ocana, Carlos Chavarría, Carlos De La Serna Higuera, Manuel Pérez-Miranda (Spain)
- PPB-05**     **Comparative effectiveness of prophylactic interventions for post-ERCP pancreatitis among risky patients: Meta-analysis**  
Jin Ho Choi, Sang Hyub Lee, Nam Young Park, Joo Seong Kim, In Rae Cho, Woo Hyun Paik, Ji Kon Ryu, Yong-Tae Kim (Korea)
- PPB-06**     **Analysis of microrna expression in brush cytology specimens improves the diagnosis of pancreatobiliary cancer**  
Qurais Syhib, Zulfia Mondir, Reza Alfiltra (Indonesia)
- PPB-07**     **A case of cardiac arrest due to a pancreaticopleural fistula**  
Joo Seong Kim, Sang Hyub Lee, Namyoung Park, Jin Ho Choi, Min Woo Lee, In Rae Cho, Ji Kon Ryu, Yong-Tae Kim (Korea)
- PPB-08**     **A case of insulinoma treated effectively with ethanol ablation**  
Namyoung Park, Sang Hyub Lee, Joo Seong Kim, Jin Ho Choi, Min Woo Lee, In Rae Cho, Woo Hyun Paik, Ji Kon Ryu, Yong-Tae Kim (Korea)
- PPB-09**     **A retrospective analysis of bilirubin patterns after ERCP drainage in patients with chronic liver disease**  
Kang Won Lee, Jae Min Lee, Hyuk Soon Choi, Eun Sun Kim, Bora Keum, Yoon Tae Jeen, Hong Sik Lee, Hoon Jai Chun (Korea)
- PPB-10**     **Features of EUS compared with abdomen CT and MRI for mural nodules within pancreas cystic neoplasms**  
Jae Kook Yang, Sung Il Jang, Sang Hyub Lee, Joung-Ho Han, Seong Hun Kim, Tae Hyeon Kim, Jae Chul Hwang, Chang-Il Kwon, Min Kyu Chung, Jae Hee Cho, Chang-Hwan Park, Chang Min Cho, Seok Jeong, Jun-Ho Choi, Dong Uk Kim, Ki-Hyun Ryu, Tae Hoon Lee (Korea)

- PPB-11**     **Optimal drainage of anastomosis stricture after living donor liver transplantation**  
Min Je Sung, Jung Hyun Jo, Hee Seung Lee, Jeong Youp Park, Seungmin Bang, Seung Woo Park, Si Young Song, Moon Jae Chung (Korea)
- PPB-12**     **Comparison between physician-controlled wire-guided cannulation and assistant-controlled wire-guided cannulation**  
Min Je Sung, Jung Hyun Jo, Hee Seung Lee, Jeong Youp Park, Seungmin Bang, Moon Jae Chung (Korea)
- PPB-13**     **Efficacy and safety of endoscopic intraductal radiofrequency ablation for ampullary adenoma with intraductal extension**  
Sung Hyun Cho, Sang Soo Lee, Dongwook Oh, Tae Jun Song, Do Hyun Park, Dong-Wan Seo, Sung Koo Lee, Myung-Hwan Kim (Korea)
- PPB-14**     **Antibiotic selection based on microbiology and resistance profiles of bile from gallbladder with acute cholecystitis**  
Suk-Won Suh, Yoo Shin Choi, Seong Ho Choi, Jae Hyuk Do, Hyoung-Chul Oh, Hong Jin Kim, Seung-Eun Lee (Korea)
- PPB-15**     **Is there a change of pathogens in acute cholangitis and their antibiotic susceptibility over a period of 10 years?**  
Han Taek Jung, Jimin Han, Ho Gak Kim, Hwi in Koh, Joon Kee Lee (Korea)
- PPB-16**     **A case of left gastric artery pseudoaneurysm**  
Heung up Kim, Kwang Sik Kim, Sun Jin Boo, Hyun Joo Song (Korea)
- PPB-17**     **A review for analysis of patterns in antibiotics usage in acute pancreatitis**  
Kang Won Lee, Hong Sik Lee, Jae Min Lee, Hyuk Soon Choi, Eun Sun Kim, Bora Keum, Yoon Tae Jeen, Hoon Jai Chun (Korea)
- PPB-18**     **Clinical outcomes of endoscopic papillectomy for duodenal ampullary neoplasms: A single-center experience**  
Min-Woo Chung, Ji-Yun Hong, Ki Hyun Kim, Young Jung Kim, Eunae Cho, Dae Seong Myung, Sung Bum Cho, Wan Sik Lee, Chang Hwan Park, Young-Eun Joo (Korea)
- PPB-19**     **Spontaneous biloma in a case of recurrent pyogenic cholangitis**  
Anto Delasalle, Sandeep Gopal, Bailuru Vishwanath Tantry, Suresh Shenoy, Anurag J Shetty (India)
- PPB-20**     **Kaffe's stents in post-liver transplant biliary anastomotic stricture management**  
Hamish Miller, Waleed Fateen, Beverley Kok, Douglas Thorburn, Jonathan Potts (United Kingdom)
- PPB-21**     **Outcomes and loop pattern analysis of a road-map technique for ERCP in patients with billroth II gastrectomy**  
Min Jae Yang, Jin Hong Kim, Jae Chul Hwang, Byung Moo Yoo (Korea)
- PPB-22**     **Predictors for clinical success after endobiliary stent placement in unresectable malignant biliary obstruction patients**  
Panotpol Termsinsuk, Nonthalee Pausawasdi, Phunchai Charatchareonwithaya, Julajuk Limsrivilai, Uayporn Kaosombatwattana (Thailand)



- PPB-23**     **Analysis of short double balloon endoscope assisted ERCP in surgically-altered pancreaticobiliary anatomy**  
Manus Rugivarodom, Nonthalee Pausawasdi, Julajak Limsrivilai, Varayu Prachayakul, Uayporn Kaosombatwattana, Tassanee Sriprayoon, Phunchai Charatcharoenwitthaya, Thawatchai Akaraviputh, Somchai Leelakusolvong (Thailand)
- PPB-24**     **Removal of intrahepatic bile duct stones by endoscopic ultrasound-guided hepaticogastrostomy after failed ERCP**  
Seung Goun Hong (Korea)
- PPB-25**     **Efficacy of modified non-flared fully covered self-expandable metal stent for preoperative drainage in pancreatic cancer**  
Il Sang Shin, Jong Ho Moon, Yun Nah Lee, Chang Wook Min, Tae Hoon Lee, Jae Kook Yang, Sang Woo Cha, Young Deok Cho, Sang Heum Park (Korea)
- PPB-26**     **Clinical evaluation of endoscopic ultrasound-guided drainage using electrocautery-enhanced lumen-apposing metal stents**  
Jun Ho Myeong, Jong Ho Moon, Yun Nah Lee, Chang Wook Min, Tae Hoon Lee, Jae Kook Yang, Sang Woo Cha, Young Deok Cho, Sang Heum Park (Korea)
- PPB-27**     **Outcome of endoscopic step up approach for walled-off necrosis in our hospital**  
Yasutsugu Asai, Shuntaro Mukai, Atsushi Sofuni, Takayoshi Tsuchiya, Kentaro Ishii, Reina Tanaka, Ryosuke Tonozuka, Kazumasa Nagai, Kenjiro Yamamoto, Yukitoshi Matsunami, Hiroyuki Kojima, Toshihiro Honma, Ryosuke Nakatsubo, Noriyuki Hirakawa, Takao Itoi (Japan)
- PPB-28**     **This abstract is withdrawn after publishing.**
- PPB-29**     **Urgent ERCP decreases mortality in acute cholangitis from common bile duct stones**  
Ronnakorn Kongsakon, Nonthalee Pausawasdi, Pochamana Phisalprapa (Thailand)
- PPB-30**     **Change of gallbladder ejection fraction by Rowachol treatment**  
Sang Hoon Lee, Hyun Woo Chung, Tae Yoon Lee, Young Koog Cheon (Korea)

## Others

- POT-01**    **Efficacy and safety of double pigtail stents for hepaticogastrostomy dysfunction and repeated intrahepatic access**  
Michiel Bronswijk (Belgium), Giuseppe Vanella (Italy), Hannah Van Malenstein, Wim Laleman, Schalk Van Der Merwe (Belgium)
- POT-02**    **Paradoxical reaction of tuberculosis masquerading as a gastric subepithelial tumor**  
Kwangwoo Nam, Jun-Ho Choi, Won-Ae Lee (Korea)
- POT-03**    **Diagnostic outcomes of endoscopic ultrasound-guided tissue sampling techniques for gastrointestinal subepithelial tumors**  
Joon Seop Lee, Chang Min Cho, Yong Hwan Kwon, An Na Seo, Han Ik Bae, Man-Hoon Han (Korea)
- POT-04**    **Prospective multicenter assessment of lumen apposing metal stents associated adverse events**  
Francisco Javier Garcia Alonso, Sergio Bazaga, José Ramón Aparicio Tormo, Belén Martínez Moreno, Vicente Sanchiz, Joan B Gornals, Carme Loras, Francisco J Garcia-Fernandez, Alvaro Terán, Enrique Vazquez-Sequeiros, Rafael Pedraza Sanz, Leticia Pérez, Jose Carlos Subtil, Antonio Pérez-Millán, Francisco Uceda Porta, Victoria Busto Bea, Carlos Guarner-Argente, Isabel Pinto Garcia, Carlos De La Serna-Higuera, Manuel Perez-Miranda (Spain)
- POT-05**    **Heparin wet suction acquires longer white tissue in EUS-FNB of pancreatic mass, a randomized crossover trial**  
Meng Ying Lin, Wei Lun Chang, Bor Shyang Sheu (Taiwan)
- POT-06**    **Transjejunal ERCP (TJ-ERCP) via EUS-guided entero-anastomoses (EUS-EA) in roux-en-y-hepaticojejunostomy (RYHJ)**  
Ana Carbajo, Marina De Benito (Spain), Rastislav Kunda (Belgium), Javier Garcia Alonso, Ramon Sanchez-Ocaña, Carlos Chavarria, Carlos De La Serna, Manuel Perez-Miranda (Spain)
- POT-07**    **EUS-guided gastroenterostomy: Multicenter procedural standardization of the parallel enteral catheter method**  
Carlos Chavarria, Vanessa Vanessa Martín-Álvarez, Jose Ramon Aparicio Tormo, Jose Carlos Subtil, Francisco Javier Garcia Alonso, Juan Jose Vila, Belen Martínez-Moreno, Victoria Busto Bea, Ramon Sanchez-Ocana, Carlos De La Serna-Higuera, Manuel Perez-Miranda (Spain)
- POT-08**    **Differential diagnosis of subepithelial tumors by using endoscopic ultrasound elastography**  
Dae Joon Kim, Jung Min Lee, Young Kwan Cho, Seong Hwan Kim, In Kyung Yoo, Joo Young Cho (Korea)
- POT-09**    **Endosonography guided ethanol ablation therapy for solid pancreatic tumors: A single center experience with 48 patients**  
Jin Ho Choi, Joo Seong Kim, Nam Young Park, Min Woo Lee, In Rae Cho, Woo Hyun Paik, Sang Hyub Lee, Ji Kon Ryu, Yong-Tae Kim (Korea)



- POT-10 Prediction of chemotherapy response in pancreatic cancer using vascular enhancement and doppler image on CEH-EUS**  
Jae Keun Park, Kyu Choi, Jeongmin Lee, Joo Kyung Park, Kwang Hyuck Lee, Kyu Take Lee, Jong Kyun Lee (Korea)
- POT-11 Outcomes of double EUS-bypass versus surgical hepaticojejunostomy and gastrojejunostomy**  
Michiel Bronswijk, Jonas Lauwereys, Hannah Van Malenstein, Wim Laleman, Schalk Van Der Merwe (Belgium)
- POT-12 A case of small solid pseudopapillary neoplasms of pancreas (SPN-P) in male diagnosed after EUS-FNA**  
Eun Kwang Choi, Tae Jun Song (Korea)
- POT-13 Outcome of endoscopic ultrasound-guided sampling of mediastinal lymphadenopathy**  
Tae Young Park, Jeong Seop Moon, I Nae Park, Ho Kee Yum (Korea)
- POT-14 The novel imaging modality for endoscopic ultrasonography in pancreatic tumors**  
Shunsuke Omoto, Mamoru Takenaka, Masatoshi Kudo (Japan)
- POT-15 Prognosis prediction of PDAC using integrated clinico-genomic data of endoscopic ultrasound-guided fine needle biopsy**  
Hwe Hoon Chung, Hye Min Kim, Dae Soon Son, Na Young K.d. Kim, Young Kyung Sung, Min Seob Cho, Chung Lee, Dong Hyo Noh, Se Hoon Lee, Kyu Taek Lee, Jong Kyun Lee, Kee Taek Jang, Woo Young Park, Kwang Hyuck Lee, Joo Kyung Park (Korea)
- POT-16 A case of acute acalculous cholecystitis associated with gallbladder cancer diagnosed after EUS**  
Eun Kwang Choi, Sang Hyub Lee (Korea)
- POT-17 Effect of propofol during endoscopy in cirrhotics and utility of psychometric, ICT and CFF in recovery from sedation**  
Amit Agrawal (India)
- POT-18 Efficacy of a novel channel cleaning ball brush for endoscope reprocessing – a pilot randomized controlled trial**  
Kwang Hyun Chung, Jeong Don Chae, Wonho Choe, Hyo Young Lee, Il Hwan Oh, Byoung Kwan Son (Korea)
- POT-19 Safety and efficacy of etomidate in comparison with propofol as sedative for gastric endoscopic submucosal dissection**  
Jinyoung Park, Hoon Jai Chun, Geon Park, Jeongyun Shim, Jee Young Yoon, Eun Ju Bang, Kang Won Lee, Sang Hyun Kim, Han Jo Jeon, Jae Min Lee, Hyuk Soon Choi, Eun Sun Kim, Yoon Tae Jeon, Hong Sik Lee (Korea)
- POT-20 The safety of balanced propofol sedation in ESD procedure with elderly patients**  
Seung Woo Lee, Young Dae Kim, Jun Hyung Lee, Joo-Yeon Cho, Jun Lee, Chan Guk Park (Korea)

- POT-21**     **The safety of balanced propofol sedation in patients over 80 years of age who underwent ERCP**  
Jun Hyung Lee, Su Young Kim, Seung Woo Lee, Joo-Yeon Cho, Jun Lee, Young Dae Kim, Chan Guk Park (Korea)
- POT-22**     **Safety and efficacy of prophylactic gastric open peroral endoscopic myotomy for prevention of post-ESD Stenosis**  
Won Dong Lee, Jae Sun Song, Byung Sun Kim, Min A Yang, Young Jae Lee, Gum Mo Jung, Ji Woong Kim, Yong Keun Cho, Jin Woong Cho (Korea)
- POT-23**     **Development and application of new endoscopic suture machine: Feasibility study**  
Geon Park (Korea)
- POT-24**     **Clinical usefulness of nasopharyngeal airway(NPA) in snoring patients during gastric endoscopic submucosal dissection**  
Jee Young Yoon, Yoon Tae Jeon, Jae Min Lee, Hyuk Soon Choi, Eun Sun Kim, Bora Keum, Hoon Jai Chun (Korea)
- POT-25**     **Computer-aided diagnosis of diminutive colorectal polyps in endoscopic images: Diagnostic test accuracy meta-analysis**  
Chang Seok Bang, Gwang Ho Baik (Korea)
- POT-26**     **Deep-learning models with no-code platform for the histologic prediction of colorectal polyps in endoscopy images**  
Chang Seok Bang, Gwang Ho Baik (Korea)
- POT-27**     **The efficacy of hemostatic spray following endoscopic papillectomy: A multicenter case study**  
Kyong Joo Lee, Tae Hoon Lee, Sung Ill Jang, Jae Hee Cho, Seok Jeong, Jin-Seok Park, Jae Kook Yang, Dong Haeng Lee, Dong Ki Lee, Sang Heum Park (Korea)
- POT-28**     **Serum trefoil factor family 3 as a more effective biomarker for advanced colorectal cancer compared with CEA**  
Hyun Seok Lee (Korea)
- POT-29**     **Usefulness of near-focus magnification with narrow-band imaging in the prediction of *Helicobacter pylori* infection**  
Jung-Wook Kim, Jae-Young Jang, Shin Ju Oh, Gi-Ae Kim, Chi Hyuk Oh (Korea)
- POT-30**     **Endoscopic prediction of invasive depth in early gastric cancer by magnifying NBI: A pilot feasibility trial**  
Ji Hee Lee, Jung-Wook Kim, Jun-Hyung Cho, Yunho Jung, Hyun Lim, Han Hee Lee, Kee Myung Lee, Chan Gyoo Kim, Kyoung Oh Kim, Bo-In Lee (Korea)
- POT-31**     **The scientific progresses and prospects of artificial intelligence in digestive endoscopy: A comprehensive bibliometric analysis**  
Xiaowei Tang, Peiling Gan, Xian Zhou (China)
- POT-32**     **The risk factors of digestive (case of Indonesia)**  
Pisi Bethania Titalessy (Indonesia)





- POT-33**     **Cap-assisted transgastric necrosectomy as a novel technique in endoscopic necrosectomy: A case report**  
Can Boynukara, Recep Cecen, Didem Saka, Betul Piyade, Gurhan Sisman (Turkey)
- POT-34**     **Identification of treatment range and apoptosis of irreversible electroporation on the stomach with immunohistochemistry**  
Han Jo Jeon, Hoon Jae Chun (Korea)
- POT-35**     **Needs for increased awareness of gastrointestinal manifestations in patients with human inborn errors of immunity**  
Mi Jin Kim, Eun Sil Kim, Yiyoung Kwon, Sangwoo Park, Jihyun Kim, Kangmo Ahn, Soomin Ahn, Yon Ho Choe, Yae-Jean Kim (Korea)
- POT-36**     **A comparison of the impact of ERCP between pre-COVID-19 and current COVID-19 outbreaks in South Korea**  
Kook Hyun Kim, Kyeong Ok Kim, Min Cheol Kim, Joon Hyun Cho, Sung Bum Kim, See Hyung Lee, Byung Ik Jang, Tae Nyeun Kim, Ki Young Lim (Korea)
- POT-37**     **Prevalence and impact of digestive and hepatic disease on patients with COVID-19: A systematic review and meta-analysis**  
Xiaowei Tang, Shali Tan, Chunyu Zhong, Yan Peng (China)
- POT-38**     **Liver injury in patients with COVID-19 infections: A comprehensive systematic review and meta-analysis**  
Xiaowei Tang, Shali Tan, Chunyu Zhong, Yan Peng (China)
- POT-39**     **New challenge for the efficacy and safety of low-volume preparation: The new easy prep trial**  
Yunho Jung, Sang Bum Kang, Jae Myung Cha (Korea)
- POT-40**     **Endoscopy-related bleeding and thromboembolic events in patients on direct oral anticoagulants or vitamin K antagonists**  
Jumriani Jumriani, Megawati Megawati (Indonesia)
- POT-41**     **Mental health problems, digital aging, and risk mitigation in the older people with cancer disease**  
Rosinta Hotmaida Pebrianti Purba, Asriati Asriati (Indonesia)
- POT-42**     **The outpatient care patterns of elderly with catastrophic diseases in Indonesian**  
Rosinta Hotmaida Pebrianti Purba (Indonesia)
- POT-43**     **Megakaryocytes and platelet-fibrin thrombi characterize multi-organ thrombosis at autopsy in COVID-19: A review**  
Ramlah Ramlah (Indonesia)
- POT-44**     **Unusual foreign body found during endoscopy in living-donor liver transplant recipient**  
Han Taek Jung, Eun Young Kim, Hyeong Ho Jo, Joong Goo Kwon, Mi Seon Go (Korea)
- POT-45**     **Gastrointestinal endoscopy management during the COVID-19 pandemic in Indonesia**  
Andi Nursanti, Andi Nursanti Andi Ureng (Indonesia)

- POT-46**      **The impact of face shield on the quality of colonoscopy during the COVID-19 pandemic**  
Jong Yoon Lee, Jong Hoon Lee (Korea)
- POT-47**      **Effect of the coronavirus 2019 pandemic on the management and outcomes of patients admitted with acute cholangitis**  
Manus Rugivarodom, Nonthalee Pausawasdi, Phunchai Charatchareonwitthaya,  
Uayporn Kaosombatwattana, Julajak Limsrivilai (Thailand)
- POT-48**      **Changing performance of colorectal cancer screening following a COVID-19 pandemic in Korea**  
Hyunil Kim, Su Young Kim, Hee Man Kim, Hong Jun Park, Dong Wook Kim, Eoung-Eun Kim,  
Hyun-Soo Kim (Korea)
- POT-49**      **Real-world changes in endoscopy procedure volumes during the COVID pandemic**  
Rashid Lui, Terry Yip, Louis Lau, Sunny Wong, Raymond Tang, Philip Chiu (Hong Kong)
- POT-50**      **Endoscopic submucosal dissection by double-bending scope to 66-year-old man who had gastric adenoma**  
Jinsoon Park, Seungwoo Lee (Korea)

# SPONSORSHIP



Platinum

Olympus Korea

## OLYMPUS

**Address.** 12, 38-gil, Seochodaero-ro, Seocho-gu, Seoul, Korea  
**Tel.** +82-2-1544-3200  
**Website.** www.olympus.co.kr

### Company or Product Information

Olympus Korea was founded by Olympus Corporation which is the world leading optical device and system in the product field of digital Imaging devices such as medical device, system, endoscope, Endo-therapy accessories and various surgical product. Moreover, Life science business is also run by Olympus Korea.

Olympus Korea's medical division was founded in July, 2004 and has acquired over 70% of market share taking the no.1 in the endoscope market.

Driven by its core-competence of optical technology and continuous marketing drive, Olympus Korea will not stop being as one of the overseas branch offices. It will keep investing in the technology and solutions R&D to be a more competitive company.

Gold

DAEWOONG PHARMACEUTICAL



**Address.** Bongeunsa-ro 114-gil 12, Gangnam-gu, Seoul, Korea  
**Tel.** +82-2-550-8800  
**Website.** www.daewoong.co.kr

### Company or Product Information

Established in 1945, Daewoong Pharmaceutical Co., Ltd. is a leading South Korean pharmaceutical company that develops, manufactures, and commercializes pharmaceuticals for both domestic and international markets. With its strong and competent in-house R&D and qualified manufacturing facilities (cGMP), Daewoong provides a total healthcare solution to customers across the globe.

Based on its vision as a "Global Healthcare Group Leading the Improvement of Quality of Life," Daewoong Pharmaceutical has developed superior medicines and supplied them to markets around the world. It has established local subsidiaries, research institutes, and plants in eight countries around the world, including Indonesia, the United States, and China, and operates Indonesia as a base for research, development and production of biopharmaceuticals.

We strive endlessly to fulfill our goal of producing the world's first-in-class and best-in-class new drug through continuous R&D investment and open collaboration. Our unceasing effort is channeled towards diversifying our new drug pipeline and platform technology to ultimately progress human health and quality of life. Daewoong Pharmaceutical will devote itself to become a global healthcare group that creates new values to advance human health and quality of life based on continuous innovation.

Gold

HK inno.N



**Address.** (04551) 100, Eulji-ro, Jung-gu, Seoul, Republic of Korea  
**Tel.** +82-2-6477-0000  
**Website.** http://www.inno-n.com/eng/index.asp

### Company or Product Information

inno.N was established in 1984 as CJ CheilJedang Pharmaceutical Business Division, based on 30 years of pharmaceutical business know-how. To make the foundation for a 100-year company from CJ Healthcare to inno.N in 2020, we are creating real innovations in global high-tech pharmaceutical.

On March 2019, inno.N launched K-CAB Tab.(ingredient name: tegoprazan), a new drug for Gastroesophageal acid reflux, in Korea. K-CAB Tab is not only resulted in the largest performance among new drugs in the first year of its launch, but also exported to 22 countries such as China, Thailand, Indonesia, and 17 nations in Central and South America.

inno.N enhances the speed and success of new drug development through open innovation with domestic and overseas biotech companies and universities, and concentrates its own ability on securing future innovative technologies.

Furthermore, we are leading the development of the Korean domestic pharmaceutical industry by adapting advanced technologies from venture companies in the US, Japan, and Europe into Korea.

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## Silver Chong Kun Dang



**Chong Kun Dang**  
Pharm. Seoul, Korea

Address. 8, Chunjeong-ro, Seodaemun-gu, Seoul, Korea  
Tel. +82-2-2194-0300  
Website. <http://www.ckdpharm.com/en/>

### Company or Product Information

#### <OUR MISSION: Better Life through Better Medicine>

Contributing to improved quality of life and public welfare by developing quality medicines.

A company that has achieved numerous 'first', 'bests' and 'very bests' Dedicated to pharmaceuticals since its foundation, Chong Kun Dang has overcome many challenges, while continuing to grow and contribute to the advancement of Korea's pharmaceutical industry. In the days when Korea imported 100% of the raw materials required for medicines from abroad, we built Korea's largest plants for chemical synthesis and fermentation, making it possible to produce pharmaceutical ingredients locally using our own technology. From there, we had driven Korean Pharmaceutical Industry with this breakthrough on the path toward modernization.

Furthermore, we became the first Korean pharmaceutical company to export products to the US market through the obtainment of the U.S. FDA

approval. Now, on its 80th anniversary, we promise to put all efforts to lead continuous change and innovation, positioning Chong Kun Dang as a global pharmaceutical company with a competitive edge in the international market.

## Bronze IL-YANG PHARM. CO., LTD.



Address. 110, Hagal-ro, Giheung-gu, Yongin-si, Gyeonggi-do, Korea  
Tel. +82-2-570-3891  
Website. [www.ilyang.co.kr](http://www.ilyang.co.kr)

### Company or Product Introduction

IL-YANG PHARM. CO., LTD., has been dedicated to develop and supply the OTC and ETC drugs with superior efficacy and safety to the worldwide patients since 1946.

On the basis of the most advanced medical practices and R&D capabilities, IL-YANG had developed 2 new chemical entities, NOLTEC (API: Ilaprazole) and SUPECT (API: Radotinib). IL-YANG is currently exporting a variety of pharmaceuticals products to approximately 30 countries in the world including USA and Europe.

NOLTEC (API: Ilaprazole) is a Proton Pump Inhibitor with indication of Duodenal Ulcer, Gastric Ulcer, EE/GERD, *H.pylori* eradication which marketed in Korea and China so far. Also had been License out to UAE, Turkey and Latin American countries.

We completed phase II trial for EE/GERD in U.S and Canada and Phase III trial for indication of NERD is on-going in Korea. Crystalline A form patent is available until 2027 in US, EU, Korea and AP countries.

## Silver Korea Otsuka Pharmaceutical



**Otsuka** Korea Otsuka Pharm.

Address. 226 Yeoksam-ro, Gangnam-gu, Seoul 06227  
Tel. +82-2-3287-9000  
Website. [https://www.otsuka.co.kr/introduction\\_en](https://www.otsuka.co.kr/introduction_en)

### Company or Product Information

Established in 1982, Korea Otsuka Pharmaceutical is a multinational pharmaceutical company that provides excellent and innovative medicines and healthcare products to treat diseases, but also to maintain and improve the everyday health of Korean people.

In addition, Korea Otsuka Pharmaceutical has taken the lead in improving South Korea's clinical capabilities and share of the medical market by innovative medicines like Mucosta SR® newly into the Korean market. A new medicine for gastritis was launched in April 2021 in Korea and is regarded as a highly competitiveness through innovative formulation as double-layer(Immediate and Sustained layer) for optimal effectiveness.

To achieve our mission to provide improve the quality of life of valued patients, We have been making a commitment to trustworthy activities.

## Bronze Daewon Pharmaceutical Corp



Address. 386 Cheonhodaero, Seongdong-gu, Seoul, Korea  
Tel. +82-2-2204-7000  
Website. [www.daewonpharm.com](http://www.daewonpharm.com)

### Company or Product Information

In 1958, Daewon Pharm was established on the basis of founding idea : "the realization of human health." it has been our unchanging role and mission to protect the public health as a company specialized in therapeutic agents.

Daewon Pharm is ready to go beyond a-half-century long reputation of being a therapeutic agent specialist of the Republic of Korea

Eswonamp Tab. 20mg, 40mg(Esomeprazole magnesium trihydrate) is the smallest tablet and has the longest duration of intragastric pH greater than 4.0 among esomeprazole drugs

-Indication : Treatment of GERD, Risk reduction of NSAID-associated gastrointestinal symptoms, *H.pylori* eradication



**Bronze Dong-A ST**



**Address.** 64 Cheonhodaero, Dongdeamun-gu, Seoul  
**Tel.** 82-2-920-8445  
**Website.** <http://en.donga-st.com>

**Company or Product Introduction**

Dong-A ST focuses on ethical drugs, such as domestically developed new drugs like Stillen, Zyderna, and Motilitone, medical devices, diagnosis, and overseas businesses with its optimized research infrastructures such as its world-class, sophisticated research center completed in 2011, as well as its excellent researchers, Dong-A ST is furthering its efforts to develop global new drugs. Also, with the backing of these infrastructures, Dong-A ST vows to positively explore overseas markets, to expand its overseas exports, and to establish itself as a global pharmaceutical company, operating beyond the domestic market.

**Bronze Hanmi Pharm. Co., Ltd.**



**Address.** 14, Wiryeseong-daero, Songpa-gu, Seoul, Korea  
**Tel.** +82-2-410-9114  
**Website.** [www.hanmipharm.com](http://www.hanmipharm.com)

**Company or Product Information**

**Creativity & Innovation**

Hanmi jumps up to be a global leading pharmaceutical company with development of new biologics, new chemical entities, and innovative new drugs. The slogan of Hanmi is 'creation and challenge' as Hanmi tries to make new ways for the domestic pharmaceutical market. We have started a distribution revolution with RFID technology, the nation's very first success of US expansion with IMD, and R&D collaboration with global companies.

**Bronze ILDONG PHARMACEUTICAL CO.,LTD.**



**Address.** 2, Baumoe-ro 27-gil, Seocho-gu, Seoul  
**Tel.** +82-2-526-3523  
**Website.** [www.ildong.com](http://www.ildong.com)

**Company or Product Introduction**

**Customer Value-Driven Global Healthcare Company, ILDONG**

As a Korean pharmaceutical company, Ildong Pharmaceutical has focused on developing and supplying excellent medicines that can contribute to human health and happiness. Through the treatment and prevention of diseases, as well as the development of new solutions for a healthier and happier life, we aim for a first-class company that continues to grow with our customers.

Ildong Pharmaceutical has been trusted by customers based on Korea's leading general medicine brands such as chronic disease treatment, anti-cancer drugs, antibiotics, digestive and circulatory machinery therapy, lactobacillus biobita, and multivitamin aronamine. We have a number of new drug pipelines, including Besh Correction, the 28th new drug in Korea, and we are completing the vision of total healthcare companies through various new businesses for healthcare, including health functional foods, medical devices, cosmetics, and beverages.

**Bronze JEIL PHARMACEUTICAL CO.,LTD**



**Address.** 343, Sapyeong-daero, Seocho-gu, Seoul, 06543, Korea  
**Tel.** +82-2-549-7451  
**Website.** <https://www.jeilpharm.co.kr/english/>

**Company or Product Information**

**"We pursue happiness and health for people worldwide"**

Founded in 1959, Jeil Pharm has developed and supplied superior pharmaceutical products to promote the happiness and health of mankind and has contributed to the growth and development of the pharmaceutical industry in Korea. Jeil, equipped with global-class research centers and production facilities, has been recognized for its outstanding value on the world market as well.

In addition, Jeil Pharm is leading GI treatment market in Korea with upper GI treatments such as proton pump inhibitors, mucosal protectants, and H2RA and lower GI treatment such as idiopathic chronic constipation treatment.

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## Bronze JW Pharmaceutical



**Address.** 2477, Namsunhwan-ro, Seocho-gu, Seoul, 137-864, Korea  
**Tel.** +82-2-840-6777  
**Website.** www.jw-pharma.co.kr

### Company or Product Introduction

#### JW Pharmaceutical

"Constant challenge and passion for global innovative new medicine development"

JW Pharmaceutical CORPORATION, who has been leading hospital market with its medical products, is strengthening its global competitiveness by getting the outstanding pipeline for original medicine and medical supplies and putting its passion to develop innovative new medicine through its global R&D network.

We will make commitment to making our society bright and healthy by producing and supplying innovative technologies, products and services which will support for healthy life of the people, and will pursue the satisfaction and happiness of customers, shareholders and the employees through our trustworthy activities.

## Bronze M.I.Tech Co., Ltd.



**Address.** 174, Habuk 2-gil, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, Korea  
**Tel.** +82-31-662-5645  
**Website.** www.mitech.co.kr

### Company or Product Information

Since April 1991, M.I.Tech has been developing our own unique non-vascular stent, HANAROSTENT®, to improve the quality of life for patients. By using the years of our accumulated experience, M.I.Tech is maintaining the global standard, ISO 13485:2016, in order for us to satisfy quality demands in the interventional medical field.

Globally, while exporting to more than 75 countries and competing with global brand products, we could give impetus to our R&D activities and achieve more than 50 patents. Not staying in our present, we are reinforcing our R&D potential to continue supplying quality and innovative products to patients.

From June 2020, M.I.Tech became a direct distributor of FUJIFILM in Republic of Korea. To achieve our top value, "Customer Satisfaction", M.I.Tech will always be in a race to make customer satisfaction, not only by its technology but also by heart, with an affirmative and progressive mind.

## Bronze SK Chemicals



**Address.** 310, Pangyo-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, 13494 KOREA  
**Tel.** +82-2-2008-2008  
**Website.** <https://www.skchemicals.com/en/ls/main.aspx>

### Company or Product Information

SK chemicals successfully developed the first Korean medicine, "Sunpla," in 1999; thereby opening up a new chapter in the field of synthetic new medicines. The company established a competitive product portfolio in the pharmaceutical field with the consecutive launches of MVIX, an erectile dysfunction treatment, and MVIX S, a film-type erectile dysfunction treatment. In addition to the first new natural medicine 'Joins', we are securing a diverse line of medicines to include arthritis treatment patch 'Trast' and blood circulation improvement agent 'Ginexin'.

## Bronze Yuhan



**Address.** 4, Norangin-ro, Dongjak-gu, Seoul, KOREA  
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**Website.** www.yuhan.co.kr

### Company or Product Introduction

Yuhan offers comprehensive contract manufacturing services with the promise of quality, consistency, and reliability.

Equipped with excellent research capabilities and cGMP manufacturing facilities with approvals by United States' Food & Drug Administration (FDA), the European Directorate for the Quality of Medicines (EDQM), Australia's Therapeutic Goods Administration (TGA), Japan's Pharmaceuticals and Medical Devices Agency (PMDA), and other regulatory agencies, Yuhan develops safe, robust, economical and value-added processes for production and delivery.

Yuhan excels in the custom synthesis marketplace as a one-stop service provider offering early process development through commercial supply. Yuhan's one-stop services offer numerous benefits to customers which may ultimately translate into improved product quality, more efficient processes, and significant savings of time and money.



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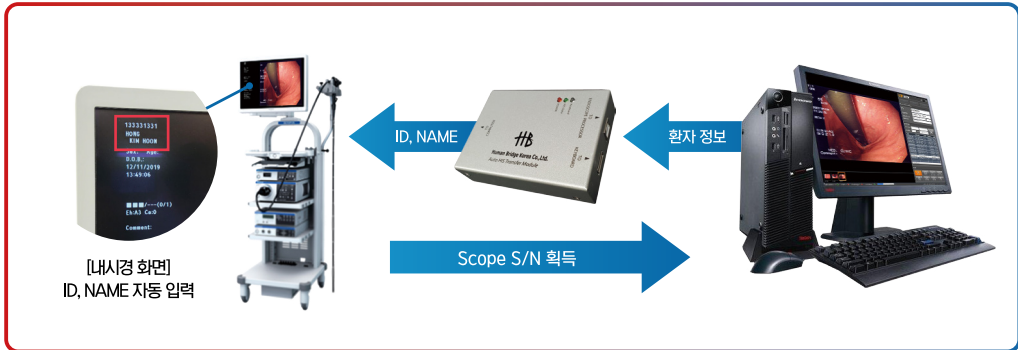
# Scope Infection Tracking Management Solution

## 내시경 스코프 감염 추적 및 소독관리 솔루션

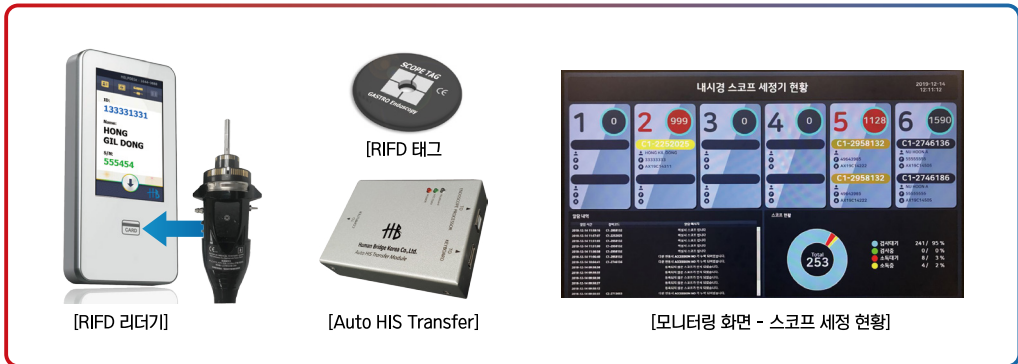
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5. 글로벌 기업의 RFID 리더기 및 Tag 공급 - 정확성과 안정성 향상
6. 대학병원 구축 경험으로 안정적인 운영

### ■ 검사실 프로세스 간소화 - 환자 정보(ID, NAME) 자동 입력 및 Scope S/N 자동 획득



### ■ Solution 구성



(주)휴먼브릿지 코리아 ( Human Bridge Korea Co.,Ltd.)

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 H-Business Park B-511, Beobwon-ro 11-gil 25, Songpa-gu, Seoul, 05836 Rep. of KOREA  
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Rapid and long-lasting effect in GERD<sup>3,4</sup>

Pariet® is available in various doses for the treatment of gastric/duodenal ulcers and the prevention of recurrent gastroduodenal ulcers caused by low-dose aspirin.<sup>1,2</sup>

Rabeprazole (PPI)



STOP

5 mg

10 mg

20 mg

Rabeprazole

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RABEPRAZOLE

**Indication** Pariet® 10 mg, 20 mg: Gastric/duodenal ulcer, Erosive/ulcerative GERD, Symptomatic treatment of moderate to very severe GERD, GERD long-term management, Eradication of *Helicobacter pylori*, Zollinger-Ellison syndrome.

Pariet® 5 mg: Prevention of recurrent gastroduodenal ulcers caused by low-dose aspirin.

PPI, proton pump inhibitor; GERD, gastroesophageal reflux disease

**References** 1. Pariet® tablet 10 mg/20 mg product information (2019-01-08), 2. Pariet® tablet 5 mg product information (2019-02-27), 3. Warrington S, et al. *Aliment Pharmacol Ther*. 2002;16(7):1301-7. 4. Shinatani T, et al. *Aliment Pharmacol Ther*. 2004;19(1):113-22.

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# LOWER THE RISK OF DRUG-DRUG INTERACTIONS<sup>1</sup>



- Drug interactions are a common cause of treatment failure and adverse drug reactions.<sup>1</sup>
- The potential for drug interactions should be taken into account when choosing a therapy for gastric acid-related disorders, especially for elderly patients in whom polypharmacy is common, or in those receiving a concomitant medication with a narrow therapeutic index.<sup>1,2</sup>
- Pantoprazole-Na appears to have lower potential for interactions with other medications.<sup>1,2</sup>

## Summary of Prescribing Information<sup>3</sup>

Prescribing drug MFDS Category number: 232

**[PRODUCT NAME IN KOREA]** • Pantoloc Tab, 40mg(pantoprazole sodium sesquihydrate) • Pantoloc Tab, 20mg(pantoprazole sodium sesquihydrate) • Pantoloc Inj.(pantoprazole sodium sesquihydrate) **[ACTIVE INGREDIENT AND ITS CONTENT]** • Pantoloc Tab, 40mg; pantoprazole sodium sesquihydrate(EP) 45,10mg(corresponding to 40mg pantoprazole) • Pantoloc Tab, 20mg; pantoprazole sodium sesquihydrate(EP) 22,5mg(corresponding to 20mg pantoprazole) • Pantoloc Inj.; pantoprazole sodium sesquihydrate(EP) 45,10mg(corresponding to 40mg pantoprazole) **[INDICATION AND USAGE]** • Pantoloc Tab, 40mg: 1. Eradication of *Helicobacter pylori* in patients with gastric or duodenal ulcers for prevention of *H. pylori*-related peptic ulcer's recurrence, (in combination with antibiotic therapy) 2. Duodenal ulcer 3. Gastric ulcer 4. Moderate to severe reflux esophagitis 5. Pathological hypersecretory conditions including Zollinger-Ellison Syndrome. • Pantoloc Tab, 20mg: 1. Treatment of mild gastroesophageal reflux disease and associated symptoms such as heartburn, acid regurgitation, odynophagia 2. Long-term management for prevention of relapse in reflux esophagitis 3. Prevention of NSAID-induced peptic ulcer disease in patients with a need for continuous NSAID treatment. • Pantoloc Inj, 1. Duodenal ulcer 2. Gastric ulcer 3. Moderate to severe erosive esophagitis 4. Pathological hypersecretory conditions including Zollinger-Ellison Syndrome. **[DOSAGE AND ADMINISTRATION]** • Pantoloc Tab, 40mg: \**H. pylori* eradication (in combination with antibiotics) 40mg, b.i.d, for 1 week; treatment of peptic ulcer disease and moderate to severe reflux esophagitis 40mg, q.d. Pathological hypersecretory conditions including Zollinger-Ellison Syndrome: initial dose of 80mg/day • Pantoloc Tab, 20mg: Treatment of mild GERD and associated symptoms, long-term management for prevention of relapse in reflux esophagitis; prevention of NSAID-induced peptic ulcer disease 20mg, q.d • Pantoloc Inj.: For patients not adequate to oral therapy, by injection with 10mL of normal saline solution or iv infusion for 2~15minutes with 100mL of normal saline or 5% dextrose solution. Treatment of peptic ulcer disease 40mg, q.d Pathological hypersecretory conditions including Zollinger-Ellison Syndrome Initial dose of 80mg/day **[CONTRAINDICATIONS AND ADVERSE REACTIONS]** • Pantoloc Tab, 40mg: 1. (in case of *H. pylori* eradication) Patients with moderate to severe hepatic or renal failure 2. Patients with known hypersensitivity to any component of the formulation or any substituted benzimidazole. Hypersensitivity reactions may include anaphylaxis, anaphylactic shock, angioedema, bronchospasm, acute interstitial nephritis, and urticaria) 3. (in case of *H. pylori* eradication) Patients who are hypersensitive to penicillin 4. (in case of *H. pylori* eradication) Patients who are hypersensitive to macrolide antibiotics 5. (in case of *H. pylori* eradication) Concomitant administration of clarithromycin with lerteneside, cisapride, pimozide, or astemizole. 6. Co-administration with atazanavir or nelfinavir 7. Pregnant women 8. Nursing mothers 9. Co-administration with Rilovirine • Pantoloc Tab, 20mg: 1. Patients with known hypersensitivity to any component of the formulation or any substituted benzimidazole. Hypersensitivity reactions may include anaphylaxis, anaphylactic shock, angioedema, bronchospasm, acute interstitial nephritis, and urticaria) 2. Co-administration with atazanavir or nelfinavir 3. Co-administration with Rilovirine • Pantoloc Inj.: 1. Patients with known hypersensitivity to any component of the formulation or any substituted benzimidazole. Hypersensitivity reactions may include anaphylaxis, anaphylactic shock, angioedema, bronchospasm, acute interstitial nephritis, and urticaria) 2. Co-administration with atazanavir or nelfinavir 3. Co-administration with Rilovirine • Pantoloc Inj. (Common,  $\geq 1/100$  to  $< 1/10$ ) abdominal pain, diarrhea, constipation, abdominal distension and bloating, dyspepsia, lundic gland poly-, mimis, injection site reaction(including abscess), injection site thrombophlebitis, headache, and sleep disorders **[MANUFACTURER]** Takeda GmbH • Pantoloc Tab, 40mg, 20mg; Leimbühlerstrasse 70-78, 16155 Orianenburg, Germany • Pantoloc Inj.; Robert-Bosch-Str.8, D-78224 Singen, Germany **[IMPORTER]** Takeda Pharmaceuticals Korea Co., Ltd., 8 Teheran-ro 98-gil, Gangnam-gu, Seoul, 135-280, Korea / Tel. 02-3484-0900 **[DISTRIBUTER]** SK Chemicals, 310, Pantogy-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, 13844, Korea / Tel. +62-2-2008-2900/www.skchemicals.com/kr **Revised:** • Pantoloc Tab, 40mg, 20mg; Mar. 21, 2018 • Pantoloc Inj; May, 1, 2018

\* For the details, you are recommended to check on prescribing information. The latest approved label is available on the website following, <http://nedrug.mfds.go.kr>

References 1, Burne H et al, Pharmacokinetic drug interaction profiles of proton pump inhibitors, *Drug Saf*, 2006;29(9):769-84, 2, Wedemeyer RS et al, Pharmacokinetic drug interaction profiles of proton pump inhibitors: an update, *Drug Saf*, 2014;37:201-13, Prescribing information of Pantoloc Tab, 20mg, 40mg, Pantoloc Inj, NeDrug, [Cited 2019 MAR 27] Available from: <http://nedrug.mfds.go.kr/>



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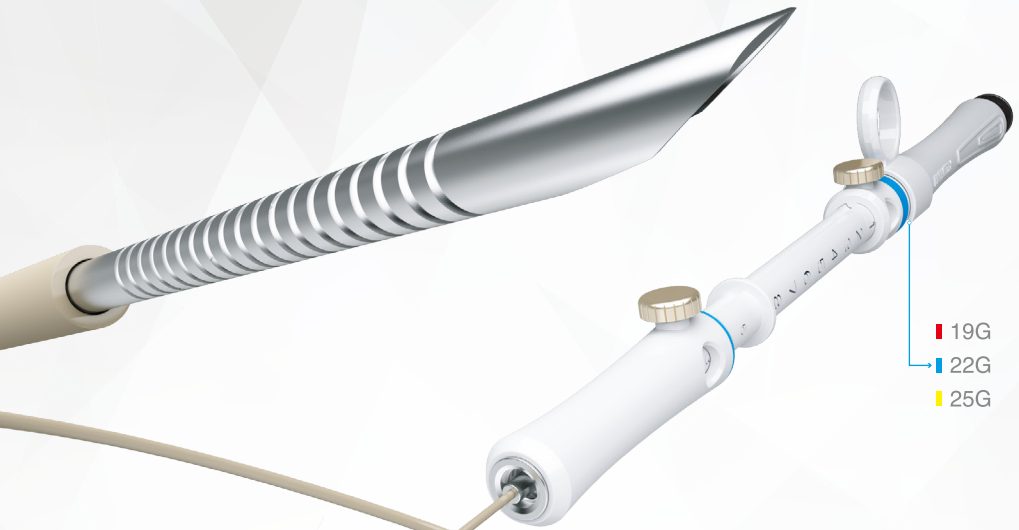
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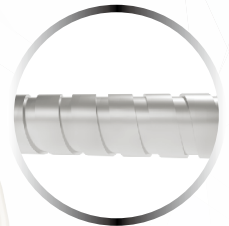
## - FNA (A type)

The back-cut needle is designed for precise targeting and easy insertion into the lesion.



## - FNB (B type)

During to and fro motion in the lesion, this special type needle (both back cutted bevel) can acquire more tissue with less handling.



## - Spiral Echo Shape

Well visible echo pattern on EUS image makes easy positioning of the needle.

# TWO RELEASES IN ONE PILL

## Granule 1

Comprises ~25% of total dose and is released at pH 5.5 within 1-2 hours of capsule ingestion <sup>2</sup>

## Granule 2

Comprises ~75% of total dose and is released at pH 6.75 within 4-5 hours of capsule ingestion <sup>2</sup>

# DEXILANT<sup>®</sup>

## dexlansoprazole

### 1 Game-changing Efficacy <sup>1-5</sup>

Dexilant maintains higher plasma concentration for longer periods of time with its dual delayed release technology and provides freedom from heartburn both day and night.

### 2 Free Dosing Timing <sup>2, 6, 7</sup>

Dexilant is the PPI which can be taken regardless of meal times and provides comparable acid suppression efficacy whether taken after a prolonged fast or before or after a high-fat meal.

### 3 Good Adherence <sup>8</sup>

Dexilant allows successful step down to once-daily dosing for patients who take twice-daily PPI to control GERD symptoms.

### 4 Less Drug Interaction <sup>9</sup>

Dexlansoprazole can minimize its effect on the efficacy clopidogrel compared to other PPIs (esomeprazole, omeprazole).

**DEXILANT delayed-release<sup>®</sup> capsule** (Dexlansoprazole 30mg, 60mg) **[Indications and Usage]** 1) Healing of all grades of erosive esophagitis (EE) 2) Maintaining healing of EE and relief of heartburn 3) Treating heartburn associated with symptomatic non-erosive gastroesophageal reflux disease (GERD) **[Dosage and Administration]** Dexilant can be taken without regard to food. Dexilant should be swallowed whole. \* **Patients 12 Years of Age and Older** 1) Healing of EE: 60 mg once daily for up to 8 weeks. 2) Maintenance of healed EE: 30 mg once daily for up to 6 months in adults and up to 16 weeks in patients ≥ 12 years of age 3) Symptomatic non-erosive GERD: 30 mg once daily for 4 weeks. **[Contraindication]** 1) Patients with known hypersensitivity to any component of the formulation. (Hypersensitivity reactions and anaphylaxis have been reported. Acute interstitial nephritis (AIN) has been reported with other PPIs, including lansoprazole.) 2) Patients receiving Antiretrovirals (Ritonavir, Atazanavir, Nelfinavir) **[Adverse Reactions]** Most commonly reported adverse reactions (>2%) that occurred at a higher incidence for DEXILANT than placebo in the controlled studies: diarrhea, abdominal pain, nausea, upper respiratory tract infection, vomiting, and flatulence. **[Manufacturer]** Legal Manufacturer: Takeda Pharmaceuticals U.S.A. Inc. Deerfield, IL 60015, USA. Contract Manufacturer: Takeda GmbH, Plant Oranienburg, Lehmitzstrasse 70-98, 16515 Oranienburg, Germany. (All processing (except packaging)) AUPA BIOPHARM CO., LTD, 1 Kwang-Fu Rd., Huko/Hsin Chu Hsien, Taiwan (Packaging) **[Importer]** Takeda Pharmaceuticals Korea Co., Ltd 37F, Lotte World Tower, Olympic-Ro 300, Songpa-gu, Seoul 05551, Korea Tel. 02-3484-0800 Fax. 02-3484-0808 Product related Medical Information Inquires Tel: 080-908-0971/ e-mail: medinfoAUPA@takeda.com Reporting Adverse Events: DSO-KR@takeda.com **[Distributor]** Jell Pharmaceutical Co., Ltd, 343, Sapyeong-daero, Seocho-gu, Seoul, (06543), Korea Tel. 080-555-7171  
\* These highlights do not include all the information needed to use DEXILANT safely and effectively. See full prescribing information for Dexilant.

**Abbreviations.** PPI Proton pump inhibitor, GERD Gastroesophageal reflux disease.

**Adapted from 1.** Howden CW *et al.*, Update on Dual Delayed-Release PPI Formulations. *Gastroenterol Hepatol (NY)*. 2010;6(7):417-9. **2.** Behm BW *et al.*, Dexlansoprazole MR for the management of gastroesophageal reflux disease. *Expert Rev Gastroenterol Hepatol* 2011;5(4):439-45 **3.** Kukulka M *et al.*, Comparator pH study to evaluate the single-dose pharmacodynamics of dual delayed-release dexlansoprazole 60 mg and delayed-release esomeprazole 40 mg. *Clin Exp Gastroenterol* 2011;4:213-20. **4.** Metz DC *et al.*, Clinical trial: dexlansoprazole MR, a proton pump inhibitor with dual delayed-release technology, effectively controls symptoms and prevents relapse in patients with healed erosive esophagitis. *Aliment Pharmacol Ther* 2009;29:742-54. **5.** Howden CW *et al.*, Clinical trial: efficacy and safety of dexlansoprazole MR 60 and 90 mg in healed erosive esophagitis - maintenance of healing and symptom relief. *Aliment Pharmacol Ther* 2009;30(9):895-907. **6.** Lee RD *et al.*, Clinical trial: the effect and timing of food on the pharmacokinetics and pharmacodynamics of dexlansoprazole MR, a novel Dual Delayed Release formulation of a proton pump inhibitor - evidence for dosing flexibility. *Aliment Pharmacol Ther* 2009;29:824-33. **7.** Dexilant DR capsule prescribing information, Ministry of Food and Drug Safety, Drug Safety Korea Available at <https://medrug.mfds.go.kr/searchDrug> Accessed on Sep 04, 2020. **8.** Fass R *et al.*, Maintenance of heartburn relief after step-down from twice-daily proton pump inhibitor to once-daily dexlansoprazole modified release. *Clin Gastroenterol Hepatol* 2012;10:247-53. **9.** Freilinger AL 3rd *et al.*, A randomized, 2-period, crossover design study to assess the effects of dexlansoprazole, lansoprazole, esomeprazole, and omeprazole on the steady-state pharmacokinetics and pharmacodynamics of clopidogrel in healthy volunteers. *J Am Coll Cardiol* 2012;59:1304-11

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Fast & Strong PPI

# Rabiet<sup>Tab.</sup>

(Rabeprazole sodium 10mg, 20mg)



References)  
 Ishizaki T, et al. Aliment Pharmacol Ther. Actions, 1999 Aug;13 Suppl 3:27-36.  
 Scarpignato C, et al. BMC Medicine, 2016 Nov 9;14(1):179.  
 Furuta K, et al. Digestion, 2016;33:107-116.  
 Pantolickova D, et al. Aliment Pharmacol Ther 2003; 17:1507-1514.



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regardless of food intake

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**40mg**  
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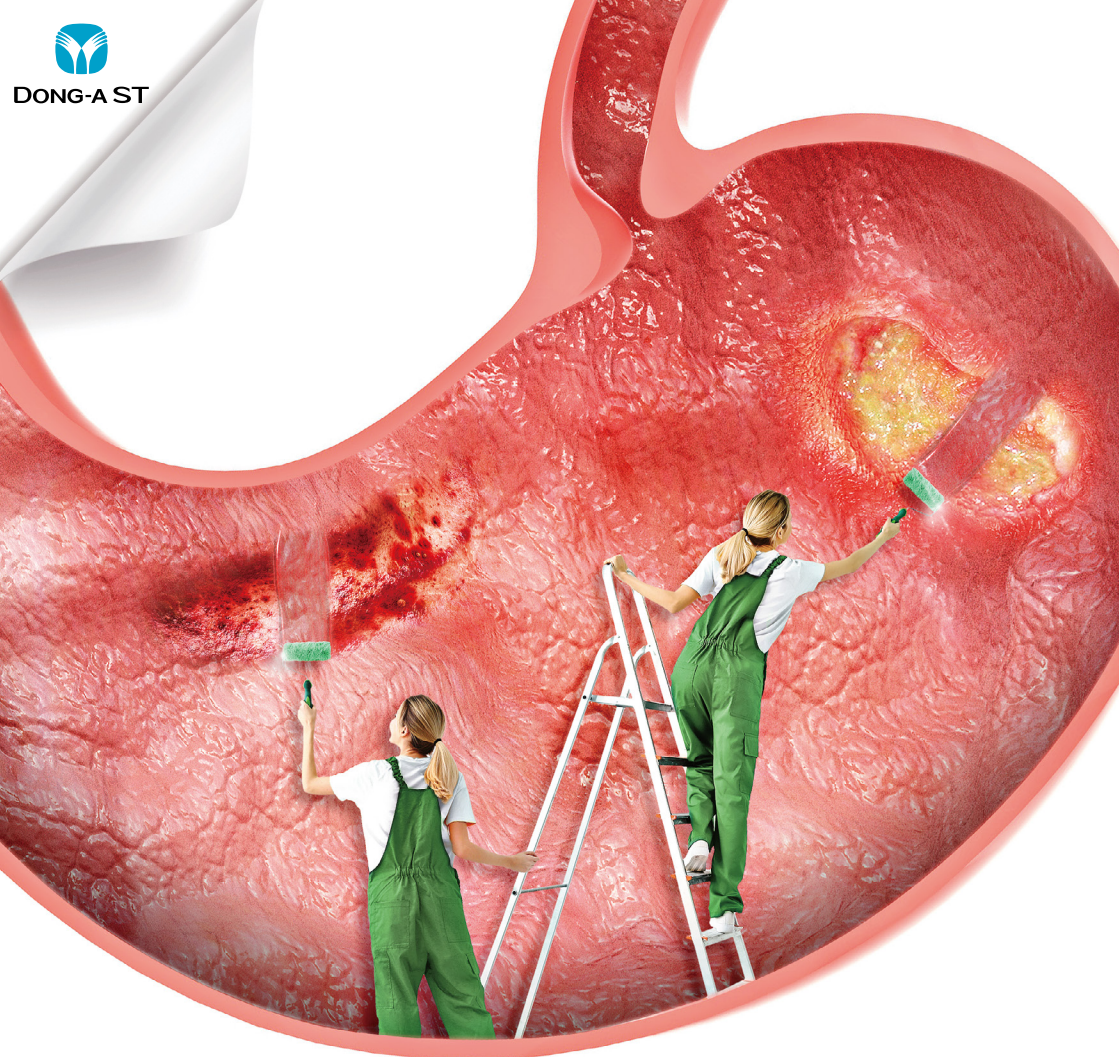
## DUAL Delayed-Release



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2. **Expected to improve NAB** through dual delayed-release<sup>1)</sup>
3. GERD therapy available **regardless of food<sup>2)</sup>**



DONG-A ST



# **The Original mucoprotective agent Indicated for NSAIDs-induced Gastritis**

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Reference

1. 식품의약품안전처, 의약품통합정보시스템 (<http://medrug.mfds.go.kr>) 2. Tai, Kamatsu, et al. Dig Dis Sci. 2002;47(6):1389-1404 3. Yui, Naka, Eguchi, Rev., Gastroenterol., Hepatol., 2010 Jun; 41(3): 261 - 70

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 **Effective dual action** of Esomeprazole and  
Sodium bicarbonate for GERD symptom<sup>1)</sup>

\*the first time to reach pH>4  
GERD, gastroesophageal reflux disease

# KOREA P-CAB, K-CAB

## NOVEL, FAST & POTENT ACID BLOCKER

1. Erosive Gastroesophageal Reflux Disease (ERD)
2. Non-Erosive Gastroesophageal Reflux Disease (NERD)
3. Gastric Ulcer (GU)
4. Eradication of *H. pylori* concurrently given with appropriate antibiotic therapy treatment in patients with peptic ulcer and/or chronic atrophic gastritis

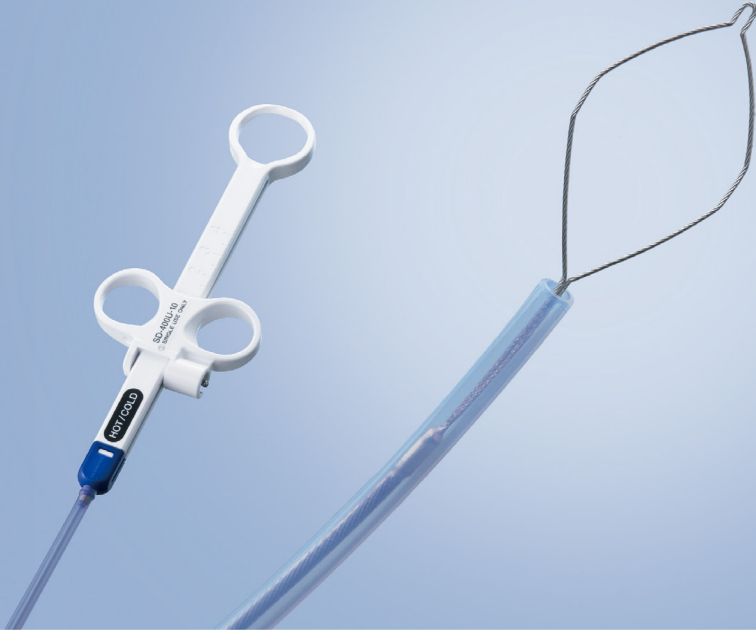


ERD Erosive Reflux Disease NERD Non-Erosive Reflux Disease GU Gastric Ulcer

Reference Han S, et al. Aliment Pharmacol Ther. 2019;50(7):751-759

**K-CAB Tab, 50mg (Tegoprazan) [Indication]** 1. Treatment of Erosive Gastroesophageal Reflux Disease 2. Treatment of Non-Erosive Gastroesophageal Reflux Disease 3. Treatment of Gastric Ulcer 4. Eradication of *H. pylori* concurrently given with appropriate antibiotic therapy treatment in patients with peptic ulcer and/or chronic atrophic gastritis. **[Dosage and Administration]** Adult 1. Treatment of Erosive Gastroesophageal Reflux Disease - 50mg once daily for 4 weeks. - For patients who do not heal or have persistent symptoms after 4 weeks, an additional 4-week treatment may be considered. 2. Treatment of Non-Erosive Gastroesophageal Reflux Disease - 50mg once daily for 4 weeks. 3. Treatment of Gastric Ulcer - 50mg once daily for 8 weeks. 4. Eradication of *H. pylori* concurrently given with appropriate antibiotic therapy treatment in patients with peptic ulcer and/or chronic atrophic gastritis - Patients with *H. pylori* infection should be treated with eradication therapy, Tegoprazan 50mg, clarithromycin 500mg, and amoxicillin 1g are orally administered twice daily for 7 days. K-CAB can be taken without regard to food. **[Precautions in Use]** 1. Contraindications 1) (Patients with Hypersensitivity to the tegoprazan, any of the product components or substituted benzimidazoles) 2) Patients who take atazanavir, raltegravir or rilpivirine-containing products (see '5. Drug Interactions'). 3) Pregnant women or nursing mothers (see '6. Pregnant Women and Nursing Mothers') 2. Warnings and Precautions 1) Hepatic impairment : There is no data on patients with hepatic impairment. 2) Renal impairment (There is no data on patients with renal impairment.) 3) Elderly people (See '8. Geriatric use')

\*The information above dose not include all the information needed to use K-CAB® safely and effectively. See full prescribing information for K-CAB®



## Specially designed for flexible use of *Cold and hot* snaring

- Newly designed hexagonal shape
- Thin(0.3mm) and stiff wire(1x7 Braided type)
- Size Line up (10mm, 15mm)
- Connect to high frequency generator

Single Use Electrosurgical Snares SD-400

# SnareMaster Plus