

APNM 2018

7th Asian Postgraduate Course
on Neurogastroenterology and Motility
in conjunction with the
1st KSNM Education Program and
2nd Annual Conference of the Korean Society
of Neurogastroenterology and Motility

SCIENTIFIC PROGRAM DAY 1

April 6 (Fri), 2018 Vista Hall (B2F)

13:50-15:10 KSNMEP SESSION I

FGIDS IN ASIA (YOUNG INVESTIGATORS' PRESENTATION)

Moderators Na Young Kim (Seoul National University Bundang Hospital, Korea),
Minhu Chen (The First Affiliated Hospital of Sun Yat-Sen University, China),
Uday Ghoshal (SCPCI, Lucknow, India)

13:50-14:05 PREVALENCE OF FUNCTIONAL CONSTIPATION AND CONSTIPATION-PREDOMINANT IRRITABLE BOWEL SYNDROME IN INDIAN POPULATION

Amit Kumar Agrawal (MGM Medical College, India)

14:05-14:20 COLORECTAL CANCER IN CAMBODIA

Ky Vutha (Calmette Hospital, Cambodia)

14:20-14:35 THE ROLES OF 24-HR ESOPHAGEAL PH/ IMPEDANCE MONITORING FOR SALIVA FLOW RATE EVALUATION IN PATIENTS WHO WERE SUSPECTED OF GASTROESOPHAGEAL REFLUX DISEASE (GERD)

Panyavee Pitisuttithum (Chulalongkorn University, Thailand)

14:35-14:50 CLINICAL, ENDOSCOPIC AND IMPEDANCE MONITORING FEATURES OF INEFFECTIVE ESOPHAGEAL MOTILITY AND ASSOCIATION WITH GERD

Süleyman Günay (ATATURK Training and Research Hospital, Turkey)

14:50-15:05 NATIONWIDE MULTICENTER STUDY FOR OVERLAPS OF COMMON FUNCTIONAL GASTROINTESTINAL DISORDERS IN ASIAN PATIENTS WITH CONSTIPATION

In Tae So (Keimyung University, Korea)

15:10-15:30 Coffee Break

15:30-16:50 KSNMEP SESSION II

UNDERSTANDING OF GI MOTILITY TESTS AND PROCEDURES (PROFESSOR'S PRESENTATION)

Moderators Suck Chei Choi (Wonkwang University Hospital, Korea),
Sutep Gonlachanvit (Chulalongkorn University, Thailand),
Tanisa Patcharatrakul (Chulalongkorn University, Thailand)

15:30-15:50 APPLICATION OF GASTROINTESTINAL MOTILITY TESTS

Sutep Gonlachanvit (Chulalongkorn University, Thailand)

15:50-16:10 ESOPHAGEAL MANOMETRY

Ji Hyun Kim (Inje University Busan Paik Hospital, Korea)

16:10-16:30 IMPEDANCE-PH MONITORING

Seon Young Park (Chonnam National University Hospital, Korea)

16:30-16:50 ANORECTAL MANOMETRY AND ANAL EMG

Tae Hee Lee (Soonchunhyang University Hospital Seoul, Korea)



SCIENTIFIC PROGRAM DAY 1

April 6 (Fri), 2018 Vista Hall (B2F)

16:50-17:50 **SATELLITE SYMPOSIUM I [BY DAEWOONG PHARM]**
BEYOND PPLS: BEST CHOICE OF P-CABS, "DWP14012"

Moderators Oh Young Lee (Hanyang University Medical Center, Korea),
In-Kyung Sung (Konkuk University Medical Center, Korea)

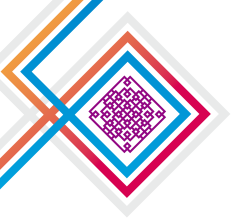
16:50-17:05 **INTRODUCTION OF DWP14012**
Jong Wook Lee (Daewoong Pharm, Korea)

17:05-17:20 **DISCOVERY, CMC & PREFORMULATION**
Bongyong Lee / Chun Ho Lee (Daewoong Pharm, Korea)

17:20-17:35 **PHARMACOLOGY, DMPK & TOXICOLOGY**
Il-Hwan Kim (Daewoong Pharm, Korea)

17:35-17:50 **P-CAB REVIEW**
SeungHwan Lee (Seoul National University, Korea)

18:00-20:00 **WELCOME RECEPTION**



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SCIENTIFIC PROGRAM DAY 2

April 7 (Sat), 2018 Vista Hall (B2F)

08:30-10:00

SESSION I

EMERGING TOPICS IN FGID: SEX & GENDER DIFFERENCE

Moderators

Oh Young Lee (Hanyang University Medical Center, Korea),
Emeran Mayer (University of California, Los Angeles, USA),
Chi-Sen Chang (Taichung General Veterans General Hospital, Taiwan)

08:30-09:00

SEX-RELATED ALTERATIONS OF BRAIN STRUCTURE AND FUNCTION IN DISORDERS OF BRAIN GUT INTERACTIONS

Emeran Mayer (University of California, Los Angeles, USA)

09:00-09:30

EFFECT OF SEX ON HPA AXIS RESPONSE AND PERIPHERAL GLUCOCORTICOID RECEPTOR IN IBS

Lin Chang (University of California, Los Angeles, USA)

09:30-10:00

GENDER ROLE AND STRESS IN FGIDS

Yong Sung Kim (Wonkwang University Sanbon Hospital, Korea)

10:00-10:20

Coffee Break

10:20-10:50

HONORABLE SESSION

STATE-OF-THE-ART LECTURE

Moderator

Oh Young Lee (Hanyang University Medical Center, Korea)

10:20-10:50

LOOKING BACK FROM THE FINISH LINE: DREAM AND REALITY

Young-Tae Bak (Korea University Guro Hospital, Korea)

10:50-12:20

SESSION II

RECENT UPDATES ON UPPER GI DISORDERS

Moderators

Myung-Gyu Choi (The Catholic University of Korea, Seoul St. Mary's Hospital, Korea),
Sang Don Koh (University of Nevada, USA),
Magnus Simrén (University of Gothenburg, Sweden)

10:50-11:20

ALTERATION OF ENS AND ICC IN GASTROPARESIS

Sang Don Koh (University of Nevada, USA)

11:20-11:50

DIAGNOSIS AND MANAGEMENT OF NCCP IN THE ERA OF ROME IV

Ronnie Fass (Case Western Reserve University, USA)

11:50-12:20

EXPERIENCE OF STRETTA PROCEDURE AND FUNDOPLICATION IN KOREAN PATIENTS WITH GERD

Kee Wook Jung (University of Ulsan College of Medicine, Asan Medical Center, Korea)

12:20-12:50

LUNCHEON SYMPOSIUM I [BY DAEWOONG PHARM]

RECENT UPDATES IN THE MANAGEMENT OF FUNCTIONAL DYSPEPSIA

Moderator

Ching-Liang Lu (National Yang-Ming University, Taiwan)

12:20-12:50

RECENT UPDATES IN THE MANAGEMENT OF FUNCTIONAL DYSPEPSIA

Jung Hwan Oh (The Catholic University of Korea, St. Paul's Hospital, Korea)

12:50-13:50

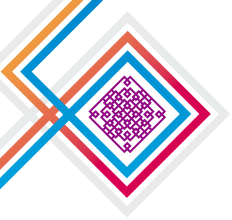
POSTER ROUNDING



SCIENTIFIC PROGRAM DAY 2

April 7 (Sat), 2018 Vista Hall (B2F)

- 13:50-15:20** **SESSION III**
MANAGEMENT OF GERD IN ASIA: UPDATES FOCUSING ON REFRACTORY GERD AND BARRETT'S ESOPHAGUS
- Moderators Young-Tae Bak (Korea University Guro Hospital, Korea),
Sutep Gonlacharvit (Chulalongkorn University, Thailand),
Ronnie Fass (Case Western Reserve University, USA)
- 13:50-14:20** **CHANGES OF EPIDEMIOLOGY OF EROSIVE AND NON-EROSIVE REFLUX DISEASE IN ASIA-PACIFIC REGION**
Minhu Chen (Sun Yat-Sen University, China)
- 14:20-14:50** **IMPACT OF OVERLAPPING FUNCTIONAL GASTROINTESTINAL DISORDERS ON THE QUALITY OF LIFE IN PATIENTS WITH GERD**
Chi-Sen Chang (Taichung General Veterans General Hospital, Taiwan)
- 14:50-15:20** **WHAT IS THE ADVANTAGE OF ADVANCED ENDOSCOPIC IMAGING TECHNIQUES OVER WHITE LIGHT ENDOSCOPY IN DETECTING DYSPLASIA/CANCER IN BARRETT'S ESOPHAGUS?**
Justin Wu (The Chinese University of Hong Kong, Hong Kong)
- 15:40-17:10** **SESSION IV**
FD CONSENSUS IN ASIA: FOCUS ON DIAGNOSIS AND MANAGEMENT
- Moderators Hyojin Park (Gangnam Severance Hospital, Korea),
Hiroto Miwa (Hyogo College of Medicine, Japan),
Albert J Bredenoord (AMC Amsterdam, Netherlands)
- 15:40-16:10** **WHEN TO TEST AND HOW TO MANAGE *HELICOBACTER PYLORI* INFECTION IN FD?**
Hiroto Miwa (Hyogo College of Medicine, Japan)
- 16:10-16:40** **ROLE OF ACID SUPPRESSION IN PATIENTS WITH FUNCTIONAL DYSPEPSIA: PPIs AND PCABS**
Hidekazu Suzuki (Keio University School of Medicine, Japan)
- 16:40-17:10** **INDIVIDUALIZED MANAGEMENT OF FD: NON-PHARMACOLOGICAL APPROACH**
Ching-Liang Lu (National Yang-Ming University, Taiwan)
- 17:10-18:00** **SATELLITE SYMPOSIUM II [BY CJ PHARM]**
RECENT UPDATES IN THE MANAGEMENT OF GERD
- Moderators Sung Pyo Hong (CHA Bundang Medical Center, CHA University, Korea),
Kwang Jae Lee (Ajou University Hospital, Korea)
- 17:10-17:35** **REFLUX HYPERSENSITIVITY**
Ronnie Fass (Case Western Reserve University, USA)
- 17:35-18:00** **BEYOND PPI**
Sang Kil Lee (Yonsei University Severance Hospital, Korea)
- 18:00-20:00** **GALA DINNER**



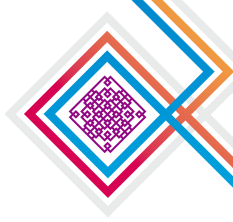
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SCIENTIFIC PROGRAM DAY 3

April 8 (Sun), 2018 Vista Hall (B2F)

- 08:30-10:00** **SESSION V**
UPDATES ON DIAGNOSIS AND TREATMENT IN ESOPHAGEAL MOTILITY DISORDER
- Moderators Joon Seong Lee (Soonchunhyang University Hospital Seoul, Korea),
Albert J Bredenoord (AMC Amsterdam, Netherlands),
Ronnie Fass (Case Western Reserve University, USA)
- 08:30-09:00** **BELCHING DISORDER**
Albert J Bredenoord (AMC Amsterdam, Netherlands)
- 09:00-09:30** **ACHALASIA**
Su Jin Hong (Soonchunhyang University Hospital Bucheon, Korea)
- 09:30-10:00** **HIGH RESOLUTION ESOPHAGEAL MANOMETRY AND FUNCTIONAL LUMEN IMAGING PROBE (FLIP)**
Yu Kyung Cho (The Catholic University of Korea, Seoul St. Mary's Hospital, Korea)
- 10:00-10:20** Coffee Break
- 10:20-11:50** **SESSION VI**
UPDATES ON PATHOPHYSIOLOGY IN IBS
- Moderators Poong-Lyul Rhee (Samsung Medical Center, Korea),
Hye-Kyung Jung (Ewha Womans University Mokdong Hospital, Korea),
Lin Chang (University of California, Los Angeles, USA)
- 10:20-10:50** **NUTRIENTS AND MICROBIOTA**
Magnus Simrén (University of Gothenburg, Sweden)
- 10:50-11:20** **VISCERAL HYPERSENSITIVITY**
Uday Ghoshal (SGPGI, Lucknow, India)
- 11:20-11:50** **ROLE OF FOOD IN KOREAN PATIENTS WITH IRRITABLE BOWEL SYNDROME**
Hyun Jin Kim (Gyeongsang National University Hospital, Korea)
- 11:50-12:50** **LUNCHEON SYMPOSIUM II [BY DAEWOONG PHARM]**
INTERESTING RECENT CLINICAL RESEARCH DATA ON ESOMEPRAZOLE
- Moderator Young Woo Kang (Konyang University Hospital, Korea)
- 11:50-12:50** **INTERESTING RECENT CLINICAL RESEARCH DATA ON ESOMEPRAZOLE**
Kyung Sik Park (Keimyung University Dongsan Medical Center, Korea)
- 12:50-13:30** **ANNUAL GENERAL MEETING**



SCIENTIFIC PROGRAM DAY 3

April 8 (Sun), 2018 Vista Hall (B2F)

13:30-14:50 KSNM PLENARY SESSION

Moderators Chong-il Sohn (Kangbuk Samsung Hospital, Korea),
Moo In Park (Kosin University Gospel Hospital, Korea)

13:30-13:50 EXPRESSION OF NEUROTROPHIC FACTORS AND TIGHT JUNCTION PROTEINS ACCORDING TO THE IRRITABLE BOWEL SYNDROME SUBTYPE AND SEX

Ju Yup Lee^{1,2}, Nayoung Kim^{1,3*}, Ji Hyun Park³, Ryoung Hee Nam¹, Sun Min Lee¹ and Dong Ho Lee^{1,3}

¹Department of Internal Medicine, Seoul National University Bundang Hospital, Seongnam, Korea

²Department of Internal Medicine, Keimyung University School of Medicine, Daegu, Korea

³Department of Internal Medicine and Liver Research Institute, Seoul National University College of Medicine, Seoul, Korea

13:50-14:10 A CRITICAL ANALYSIS OF YOUTUBE PERTAINING EXERCISE FOR THE RELIEF OF CONSTIPATION

Tae Hee Lee¹, Seong-Eun Kim^{2*}, Kyung Sik Park³, Jeong Eun Shin⁴, Seon-Young Park⁵, Han Seung Ryu⁶,
Jung-Wook Kim⁷, Yoo Jin Lee³, Young Sin Cho⁸ and Suyeon Park⁹

¹Institute for Digestive Research & Nutritional Support Team (NST) of Soonchunhyang University Seoul Hospital, Seoul, Korea

²Department of Internal Medicine, Ewha Woman's University College of Medicine, Seoul, Korea

³Department of Internal Medicine, Keimyung University School of Medicine, Daegu, Korea

⁴Department of Internal Medicine, Dankook University College of Medicine, Korea

⁵Chonnam National University Medical School, Gwangju, Korea

⁶Department of Internal Medicine, Wonkwang University School of Medicine, Iksan, Korea

⁷Division of Gastroenterology, Department of Internal Medicine, Kyung Hee University School of Medicine, Seoul, Korea

⁸Division of Gastroenterology, Cheonan Hospital, Soonchunhyang University College of Medicine, Cheonan-si, Chungcheongnam-do, Korea

⁹Department of Biostatistics, Soonchunhyang University Seoul Hospital, Seoul, Korea

14:10-14:30 POSSIBLE MECHANISM OF THE SUPRAGASTRIC BELCHING INDUCED GASTROESOPHAGEAL REFLUX

Shin Ok Jeong¹, Joon Seong Lee^{1*}, Tae Hee Lee¹, Su Jin Hong², Young Sin Cho³, Jun Seok Park¹,
Seong Ran Jeon¹, Hyun Gun Kim¹ and Jin-Oh Kim¹

¹Institute for Digestive Research, Digestive Disease Center Soonchunhyang University College of Medicine, Seoul, Korea

²Digestive Disease Center and Research Institute, Department of Internal Medicine, Soonchunhyang University College of Medicine, Bucheon, Korea

³Division of Gastroenterology, Department of Internal Medicine, Soonchunhyang University Cheonan Hospital, Soonchunhyang University College of Medicine, Cheonan-si, Korea

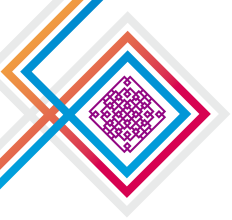
14:30-14:50 COMBINED MULTICHANNEL INTRALUMINAL IMPEDANCE AND MANOMETRY IMPROVES DETECTING CLINICALLY SIGNIFICANT ESOPHAGOGASTRIC JUNCTION OUTFLOW OBSTRUCTION

Byeong Geun Song, Yang Won Min¹, Hyuk Lee, Byung-Hoon Min, Jun Haeng Lee, Poong-Lyul Rhee and Jae J. Kim
Samsung Medical Center, Korea

14:50-15:10 Coffee Break

15:10-16:40 KSNM ORAL PRESENTATION

Moderators Kyu Chan Huh (Konyang University Hospital, Korea),
Joong Goo Kwon (Daegu Catholic University Medical Center, Korea)



SCIENTIFIC PROGRAM DAY 3

April 8 (Sun), 2018 Vista Hall (B2F)

- 15:10-15:25** **EXTRACT OF CHEONGKUKJANG (KOREAN FERMENTED SOYBEAN PASTE) PREPARED WITH BACILLUS AMYLOLIQUEFACIENS AND BACILLUS SUBTILIS DECREASED DSS-INDUCED COLONIC INFLAMMATION IN MICE**
Yong Sung Kim¹, Yun-Seong Lee², Mi-Sung Park², Suck Chei Choi³ and Seong-Hoon Park^{4*}
¹Gastroenterology, School of Medicine, Wonkwang University Sanbon Hospital, Gunpo, Korea
²Institution of Metabolic Diseases, School of Medicine, Wonkwang University, Iksan, Korea
³Gastroenterology, School of Medicine, Wonkwang Digestive Disease Research Institute, Iksan, Korea
⁴Institution of Metabolic Diseases, School of Medicine, Radiology, School of Medicine, Wonkwang University, Iksan, Korea
- 15:25-15:40** **EFFECT OF MOTILITON ON THE GASTROINTESTINAL MOTILITY IN THE STREPTOZOTOCIN UNDEDUCED DIABETIC MICE**
Hyun Jin Kim^{1*}, Tae Wan Kim², Ok Jae Lee¹, Sang Su Lee¹, Jae Min Lee¹, Jin Joo Kim¹, Wan Soo Kim¹ and Ra Ri Cha¹
¹Department of Internal Medicine, Gyeongsang National University School of Medicine and Gyeongsang National University Changwon Hospital, Changwon, Korea
²College of Veterinary Medicine, Kyungpook National University, Daegu, Korea
- 15:40-15:55** **CLEANSING ENEMA FOR CONSTIPATION IN HOSPITALIZED PATIENTS OF TERTIARY HOSPITALS: A MULTICENTER RETROSPECTIVE STUDY**
Jung-Wook Kim¹, Jeong Eun Shin^{2*}, Tae Hee Lee³, Seong-Eun Kim⁴, Yoo Jin Lee⁵, Han Seung Ryu⁶, Seon-Young Park⁷, Joong Goo Kwon⁸ and Kyung Sik Park⁵
¹Department of Internal Medicine, Kyung Hee University School of Medicine, Seoul, Korea
²Department of Internal Medicine, Dankook University College of Medicine, Cheonan, Korea
³Institute for Digestive Research, Soonchunhyang University Seoul Hospital, Seoul, Korea
⁴Department of Internal Medicine, Ewha Womans University School of Medicine, Seoul, Korea
⁵Department of Internal Medicine, Keimyung University School of Medicine, Daegu, Korea
⁶Department of Internal Medicine and Digestive Disease Research Institute, Wonkwang University School of Medicine, Iksan, Korea
⁷Department of Internal Medicine, Chonnam National University Medical School, Gwangju, Korea
⁸Department of Internal Medicine, Catholic University of Daegu School of Medicine, Daegu, Korea
- 15:55-16:10** **MOSAPRIDE IMPROVES LOWER ESOPHAGEAL SPHINCTER AND ESOPHAGEAL BODY FUNCTIONS IN PATIENTS WITH MINOR DISORDERS OF ESOPHAGEAL PERISTALSIS**
Sung Eun Kim, Moo In Park^{*}, Kyoungwon Jung, Hyun Seung Je, Gyung Mi Kim and Hee Kyoung Joo
Department of Internal Medicine, Kosin University College of Medicine, Korea
- 16:10-16:25** **THE USEFULNESS OF MULTIPLE RAPID SWALLOWS AND SEMI-SOLID SWALLOWS FOR DETECTION OF ESOPHAGEAL MOTILITY DISORDERS IN PATIENTS WITH ESOPHAGEAL SYMPTOMS**
Yoo-Hyun Jeong, Yoo Jin Um, Chung Kyun Noh and Kwang Jae Lee^{*}
Department of Gastroenterology, Ajou University Hospital, Korea
- 16:25-16:40** **ON-DEMAND VERSUS HALF-DOSE CONTINUOUS THERAPY WITH PROTON PUMP INHIBITOR FOR THE MAINTENANCE TREATMENT OF GASTROESOPHAGEAL REFLUX DISEASE: A RANDOMIZED COMPARATIVE STUDY**
Ji Yeon Koo, Joon Hyun Cho, Kyeong Ok Kim, Si Hyung Lee, Byung Ik Jang and Tae Nyeun Kim^{*}
Division of Gastroenterology and Hepatology, Department of Internal Medicine, Yeungnam University College of Medicine, Daegu, Korea