International Gastrointestinal Electrophysiology Society (iGES) Annual Meeting

Saturday, May 18, 2013

Clarion Inn & Suites
Meeting Room: Manatee/Dolphin
International Drive / Convention Center
9956 Hawaiian Ct., Orlando, FL 32819
For information, call Jiande Chen at 832-640-8111

5:45-6:30pm Pizza Dinner

Session 1: Electrical Rhythms

Moderators: Ken Koch, MD, University of Wake Forest
Henry Parkman, MD, Temple University

6:30-6:40pm: The Provocative Water Load Test Evokes Nausea and Gastric Dysrhythmias in Patients with Unexplained Chronic Nausea and Vomiting. M Gillis, KL Koch, Section on Gastroenterology, Wake Forest University School of Medicine, Winston-Salem, NC (Young Investigator’s Award)


6:50-7:00pm: Cajal Cell Counts are Important Predictors of Outcomes from Gastric Electrical Stimulation Therapy in Patients with Drug Refractory Gastroparesis. Archana Kedar, Harsha S. Nagarajarao, Yana Nikitina, Vetta Vedanarayanan, Christopher J. Lahr, Charu Subramony, Thomas L. Abell. University of Mississippi Medical Center, Jackson, MS (Young Investigator’s Award)

7:00-7:10pm: The Relationship Between Gastric Myoelectric Activity and SCN5A Mutation Suggesting Sodium Channelopathy in Patients With Brugada Syndrome and Functional Dyspepsia - A Pilot Study. 1,3Hae Won Kim, 1,3Hyojin Park, 1,3 Kyo Tae Jung, 1,3 Jie-Hyun Kim. 1Department of Internal Medicine, 2Department of Radiation Oncology, 3Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, Korea

7:10-7:20pm: Evaluation of Gastric Electrical Activity in Patients with Gastric Cancer by Multichannel Electrogastrography. Haruaki Murakami, Hideo Matsumoto, Masaharu Higashida, Hiroshi Nakashima, Yasuo Oka, Hideo Okumura, Masafumi Nakamura, Toshihiro Hirai. Department of Digestive Surgery, Kawasaki Medical School Matsushima, Kurashiki, 701-0192, Japan

7:20-7:30pm: The characteristic of electrogastrogram in patients with functional dyspepsia and functional vomiting. ZF Wang, MY Ke, XH Sun. Department of Gastroenterology, Peking Union Medical College Hospital, Chinese Academy of Medical Science, Beijing, China

7:30-7:40pm: Mucosal Nerve fiber Density in Diabetic Gastroparesis Patients Obtained by Full Thickness Gastric Biopsy is Associated with Symptom Severity and Mucosal Electrogastrogram Outcomes. Archana Kedar, Harsha S. Nagarajarao, Charu Subramony, Mona Selim, Gwen Wendelschafer-Crabb, William R. Kennedy, Thomas L. Abell. University of Louisville Medical Center, Louisville, KY, United States.
7:40-7:45pm: (Short Presentation) Electrogastrography associated with symptomatic changes after prokinetic drug treatment for functional dyspepsia. **Hae Won Kim**1,2, **Hyojin Park**1,3, **Hyun Chul**1,3 **Lim, Jiande DZ Chen**1,4. 1Department of Internal Medicine, 2Department of Radiation Oncology, 3Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, Korea, 4University of Texas Medical Branch, Galveston, TX

7:45pm-8:00pm: Break

8:00-8:20 pm Panel Discussion: Roles of Electrogastrography

Moderator: **Jiande Chen, PhD**, University of Texas Medical Branch
Presenter: Mark Noar, MD
Panelists: Richard McCallum, MD, Ken Koch, MD and Tom Abell, MD

Session 2: Traditional and Emerging Electrical Therapies

Moderators: **Richard McCallum, MD**, Texas Tech University
**Bridget R. Southwell, PhD**, Murdoch Childrens Research Institute

8:20-8:30pm: Small Bowel Transit in a Canine Hypermotility Model Was Fastened by the Electrical Stimulation of Small Intestine. **Weifeng Wang**1,2, **Jieyun Yin**1, **Jiande D.Z.Chen**1. 1Division of Gastroenterology, Department of Internal Medicine, University of Texas Medical Branch, Galveston, TX, 2Department of Gastroenterology and Hepatology, Chinese PLA General Hospital, Beijing, China (Alvarez Award)

8:30-8:40pm: The Effect of Acute Gastric Electrical Stimulation with Wider Pulse and Individualized Parameters on Beagle Dogs’ Gastric Accommodation. **Yanmei Li, Shukun Yao, Yanli Zhang, Wenjuan Guo, Weishuo Zhang, I Nijiao Li. Department of gastroenterology, Division of Gastroenterology, China-Japan Friendship Hospital, Beijing, China**

8:40-8:50pm: Inhibitory effects of electroacupuncture on gastric hypersensitivity induced by acute restraint stress in FD rats. **Jingzhu Zhou**1,2, **Shiyeng Li**1, **Yinping Wang**3, **Yong Lei**1, **Robert D. Foreman**2, **Jiande D.Z.Chen**1. 1Veterans Research and Education Foundation, VA Medical Center, Oklahoma City, OK, 2Department of Physiology, University of Oklahoma Health Science Center, Oklahoma City, OK, 3Department of Acupuncture and Moxibustion, The First Affiliated Hospital with Nanjing Medical University, Nanjing, Jiangsu Province, China. 4Ningbo Pace Translational Medical Research Center, Beilun, Ningbo, China (**Robert Stern Best Young Investigator’s Award**)

8:50-9:00pm: Transcutaneous electrical stimulation combined with laxatives, diet and education increased defecation frequency and volume in slow-transit constipation children. **Julie Jordan-Ely**1,3, **Kyla Dobson**1,3, **John Hutson**1,2,3, **Bridget R. Southwell**1,2. 1Murdoch Childrens Research Institute, Parkville, VIC, Australia, 2Department of Paediatrics, University of Melbourne, Melbourne, VIC, Australia, 3Urology Department, Royal Children's Hospital, Melbourne, VIC, Australia.

9:00-9:10 Ameliorating Effects of Transcutaneous Electroacupuncture on Gastric Slow Waves in Patients With Functional Dyspepsia Using a multichannel EGG Device. **Yuemei Xu**1, **Xiaoping Li**1, **Feng Xu**1, **DeWen Lu**1, **Li Yi Ma**2, **Jianfeng Chen**2. 1Division of Gastroenterology, Yinzhou Affiliated Hospital, College of Medicine, Ningbo University, China. 2Ningbo MedKinetic Inc., Beilun, Ningbo, China (**Young Investigator’s Award**)
9:10-9:20pm: Effect of Electroacupuncture in gastric hypersensitivity in a rat model of functional dyspepsia Shiying Li1 and Jiande Chen1,2. 1Veterans Research and Education Foundation, Oklahoma City, OK, 2Ningbo Pace Translational Medical Research Center, Beilun, Ningbo, China

9:20-9:25pm: (Short Presentation) Treatment resistant slow-transit constipation (STC) in children can be improved with home-based transcutaneous electrical stimulation (TES). Yi Yi1,2,3, KA Ismail1,2, JM Hutson1,2,3, BR Southwell1,2, 1Murdoch Children’s Research Institute, Melbourne, Australia, 2Department of Paediatrics, University of Melbourne, Victoria, Australia, 3Department of Urology, Royal Children’s Hospital, Melbourne, Australia. 4Department of General Surgery, Faculty of Medicine, University of Malaya, Kuala Lumpur, Malaysia

Session 3: Gastric Electrical Stimulation

Moderators: Thomas Abell, MD, University of Louisville
Xiaohua Hou, MD, University of Huazhong University of Science and Technology

9:25-9:35pm: Toward a More Scientifically Based Programming Approach for Gastric Electrical Stimulation in Gastroparesis Patients. Irene Sarosiek, Joe Colombo, Brian Davis, Richard McCallum. Texas Tech University Health Sciences Center, El Paso TX

9:35-9:45pm: The effect and mechanism of gastric electrical stimulation on visceral hypersensitivity. Fei Dai1,2, Yong Lei1 and JDZ Chen1,2. 1Veterans Research and Education Foundation, Veterans Affairs Medical Center, Oklahoma City, OK. 2Division of Gastroenterology, University of Texas Medical Branch, Galveston, TX. 3Division of Gastroenterology, Second Affiliated Hospital, Medical College of Xi'an Jiaotong University, Xi'an, China

9:45-9:55pm: Gastric electrical stimulation for teenage children with chronic unexplained nausea and vomiting. S. Chong, S. Kadirkamanathan, C. Jenkins, D. Lother. Queen Mary's Hospital for Children, St Helier NHS Trust, Carshalton, and Surgery, Mid Essex Hospitals NHS Trust, Chelmsford, United Kingdom

9:55-10:00pm: (Short Presentation) Can Gastric Stimulation in an Animal Model Effect Duodenal and Sphincter of Odi Electrical Activity? A Pilot Study Utilizing Ancillary High Resolution Recordings. Thomas L. Abell1, Benjamin T. Boatright2, Brittain Heindl4, Sumanth Daram2, Simon H. Bull5, Zeke Pullan5, Archana Kedar2, Pierre de Delva3, Christopher J. Lahr3, Warren Starkebaum6, Peng Du6, Leo K. Cheng5. 1Digestive Diseases, University of Louisville Medical Center, Louisville, KY, United States. 2Digestive Diseases, University of Mississippi Medical Center, Jackson, MS, United States. 3Surgery, University of Mississippi Medical Center, Jackson, MS, United States. 4Medicine, University of Alabama Birmingham, Birmingham, AL, United States. 5Auckland Bioengineering Institute, The University of Auckland, New Zealand. 6Consultant Engineer, Plymouth, MN, United States.

10:00pm: Adjourn