

Innovations in Gastroenterology & Hepatology: AI & Beyond

Loews Minneapolis Hotel, Minneapolis, MN

May 19-20, 2023 – Central Time

Friday, May 19, 2023	
General Session	
7:30 a.m.	Registration & Breakfast Stone Arch Ballroom Lobby
8:00 a.m.	Welcome and Introduction <i>Shounak Majumder, M.D., Douglas (Doug) A. Simonetto, M.D., and Nayantara Coelho-Prabhu, M.B.B.S.</i>
Session I: What is New in Artificial Intelligence Assisted GI Endoscopy Moderator: Rahul Pannala, M.D., Barham K. Abu Dayyeh, M.D., M.P.H.	
8:15 a.m.	The Landscape of AI in GI Endoscopy: What is Here Now and What is Coming Next? <i>Aasma Shaukat, M.D., MPH</i>
8:45 a.m.	Computer-Aided Detection of Dysplasia in IBD <i>Nayantara Coelho-Prabhu, M.B.B.S.</i>
9:00 am	Artificial Intelligence Applications in EUS: Opportunities and Pitfalls <i>Neil Marya, M.D. (Virtual)</i>
9:15 a.m.	Indeterminate Biliary Strictures- Can Artificial Intelligence Help? <i>Vinay Chandrasekhara, M.D.</i>
9:30 a.m.	Panel Discussion <i>Rahul Pannala, M.D., Barham K. Abu Dayyeh, M.D., M.P.H., Aasma Shaukat, M.D., MPH, Nayantara Coelho-Prabhu, M.B.B.S., Neil Marya, M.D.(virtual), Vinay Chandrasekhara, M.D.</i>
9:45 a.m.	Break
Session II: Gastroenterology Reimagined Moderator: Nayantara Coelho-Prabhu, M.B.B.S., Cadman L. Leggett, M.D.	
10:00 a.m.	Keynote: Digital Transformation of Healthcare: The Future is Here <i>John D. Halamka, M.D., M.S. (Virtual)</i>
10:30 a.m.	Regenerative Medicine Paradigm for Type 2 Diabetes <i>Barham K. Abu Dayyeh, M.D., M.P.H.</i>
10:45 a.m.	Next-generation Endoscopic Tattoo Inks <i>Rahul Pannala, M.D.</i>
11:00 a.m.	Panel Discussion <i>Nayantara Coelho-Prabhu, M.B.B.S., Cadman L. Leggett, M.D., John D. Halamka, M.D., M.S. (virtual), Barham K. Abu Dayyeh, M.D., M.P.H., Rahul Pannala, M.D.</i>
11:30 a.m.	Lunch
Session III: Thinking outside the Box: Futuristic Approaches to Diagnosis and Management of GI and Liver Diseases Moderator: Vinay Chandrasekhara, M.D., Alina M. Allen, M.D.	
12:30 p.m.	Electrocardiogram-Enabled Algorithms for Diagnosis and Prognosis of Chronic Liver Disease <i>Douglas (Doug) A. Simonetto, M.D.</i>
12:45 p.m.	Voice-based Diagnosis of GERD <i>Cadman L. Leggett, M.D.</i>
1:00 p.m.	Molecular Detection of Pancreatic Cancer Using Cell-free DNA From Pancreatic Juice <i>Shounak Majumder, M.D.</i>
1:15 p.m.	Virtual Reality for Brain-Gut Disorders: Emerging Clinical Applications <i>Brian E. Lacy, M.D., Ph.D.</i>

1:30 p.m.	Panel Discussion <i>Vinay Chandrasekhara, M.D., Alina M. Allen, M.D., Douglas (Doug) A. Simonetto, M.D., Cadman L. Leggett, M.D., Shounak Majumder, M.D., Brian E. Lacy, M.D., Ph.D.</i>
1:45 p.m.	Break
Session IV: EHR-based Digital Applications in Clinical Practice	
Moderator: Douglas (Doug) A. Simonetto, M.D., Laura E. Raffals, M.D.	
2:00 p.m.	Advances and Pitfalls of Using NLP/AI in advancing LGBTQ+ Health <i>Victor G. Chedid, M.D., M.S.</i>
2:15 p.m.	Fatty Liver Disease: From N of 1 to 1 in 1,000 <i>Konstantinos N. Lazaridis, M.D.</i>
2:30 p.m.	Digital Solutions for NAFLD Diagnosis in Non-hepatology Settings Using EHR <i>Alina M. Allen, M.D.</i>
2:45 p.m.	Development of an EHR-Enabled Machine Learning Algorithm for Detection of Celiac Disease <i>Joseph A. Murray, M.D.</i>
3:00 p.m.	Panel Discussion <i>Douglas (Doug) A. Simonetto, M.D., Laura E. Raffals, M.D., Victor G. Chedid, M.D., M.S., Konstantinos N. Lazaridis, M.D., Alina M. Allen, M.D., Joseph A. Murray, M.D.</i>
3:30 p.m.	Adjourn
3:45 p.m.	Reception <i>Stone Arch Lobby</i>

Saturday, May 20, 2023	
7:30am	Breakfast <i>Stone Arch Lobby</i>
Session V: Career Development and Entrepreneurship Toolkit for the Digital Gastroenterologist Moderator: Darrell S. Pardi, M.D., Shounak Majumder, M.D.	
8:00 a.m.	“Entrepreneurship in Healthcare: Key Considerations for the Clinician” <i>Rena F. Hale Ph.D.</i>
8:30 a.m.	From Idea to Commercialization: The Fistula Plug <i>William A. Faubion, Jr. M.D.</i>
8:45 a.m.	Collaborations with Industry to Accelerate Translation <i>John B. Kisiel, M.D.</i>
9:00 a.m.	What is the FDA Looking for When Evaluating Software as a Medical Device? <i>David E. Vidal, J.D.</i>
9:15 a.m.	Panel Discussion <i>Darrell S. Pardi, M.D., Shounak Majumder, M.D., Rena F. Hale Ph.D., William A. Faubion, Jr. M.D., John B. Kisiel, M.D., David E. Vidal, J.D.</i>
9:30 a.m.	Break
Session VI: Oral Presentation of Selected Abstracts *Speakers will be selected from submitted abstracts.	
9:45 a.m.	Deep Learning Based Prediction of Treatment Outcomes for Hepatic Fibrosis in Mouse Models Using Histopathology Images <i>Keerthy Gopalakrishnan</i>
10:00 a.m.	Identification of Pancreatic Cancer Risk Factors from Clinical Notes Using Natural Language Processing <i>Anup Kumar Mishra, Ph.D., M.S.</i>
10:15 a.m.	AI-Cirrhosis-ECG (ACE) Score Predicts Hepatic Decompensation and Liver-related Mortality in Patients with Cirrhosis <i>Joseph Ahn, M.D.</i>
10:30 a.m.	Eye Movements and Task Load Of Endoscopists While Using Computer-Aided Detection System for Colonoscopy <i>Shunsuke Kamba</i>
Session VI: AI Applications in GI Radiology and Pathology Moderator: Victor Chedid, M.D., M.S., William A. Faubion, Jr. M.D.	
10:45 a.m.	Building Blocks for a Digital GI Pathology Platform <i>Jason D. Hipp, M.D., Ph.D.</i>
11:15 a.m.	Harnessing the Power of Digital Pathology for Barrett’s Dysplasia Detection <i>Prasad G. Iyer, M.D.</i>
11:30 a.m.	Detecting Pancreatic Cancer on CT Scans Before it is Visible to the Human Eye <i>Ajit H. Goenka, M.D.</i>
11:45 a.m.	Panel Discussion <i>Victor Chedid, M.D., M.S., William A. Faubion, Jr. M.D., Jason D. Hipp, M.D., Ph.D., Prasad G. Iyer, M.D., Ajit H. Goenka, M.D.</i>
11:55 a.m.	Concluding Remarks
12:15 p.m.	Adjourn