

Title: Optimizing *Helicobacter pylori* Eradication Strategies: Evidence from Global Clinical Trials



Name: Jyh-Ming Liou, M.D., PhD.

Affiliation:

Clinical Professor, Department of Internal Medicine, College of Medicine, National Taiwan University (2018 to present)

Director, Department of Medicine, National Taiwan University Cancer Center, National Taiwan University Hospital (2020 to present)

Secretary General, The Gastroenterological Society of Taiwan (2024 to present)

Education: M.D. National Yang-Ming University School of Medicine, Taiwan. (1998)

PhD. Graduate Institute of Epidemiology and Preventive Medicine, National Taiwan University, Taipei, Taiwan (2013)

Interests and Ongoing Research Topics:

He has focused his researches in the molecular epidemiology of GI tract cancers, *H. pylori* infection, and gut microbiota. He found rising trend of antibiotic resistance of *H. pylori* in Taiwan and Asia-Pacific regions (Lancet Gastroenterol Hepatol 2017;2):707-715). He developed strategies to optimize the treatment of *H. pylori* infection, including 14-day sequential therapy (Lancet 2013;381:205-13; Gut 2016;65:1784-92), bismuth quadruple therapy (Lancet 2016;388:2355-65) in first-line treatment, levofloxacin-based therapy and bismuth quadruple therapy in second-line treatment (Gut 2010; 59:572-8; Am J Gastroenterol 2016;111:381 -7. Lancet Gastroenterol Hepatol. 2023;8:228-241), and genotypic resistance guided therapy in first-line and third-line treatment (Gastroenterology.2018;155:1109-1119; Lancet Gastroenterol Hepatol. 2023 May 10:S2468-1253(23)00097-3. He also demonstrated the long-term safety on metabolic parameters, gut microbiota, and antibiotic resistance of *H. pylori* eradication for gastric cancer prevention (Lancet Infectious Diseases. 2019; 19:1109-1120; Lancet Gastroenterol Hepatol. 2023;8:228-241). He participated in the development of Taipei global consensus on screening and eradication of *H. pylori* for gastric cancer prevention (Gut. 2020;69:2093-2112;GUT 2025) and the Maastricht VI/Florence consensus report for management of *H. pylori* infection (Gut. 2022 Aug 8;gutjnl-2022-327745.). He has received several awards, including Outstanding Research Article Award of Professor Juei-Low Sung's Foundation (2011), Young Investigator Award of National Taiwan University Hospital, (2012), Ching-Shing Medical Award (2013), Ta-You Wu Memorial Award (2013), Young Investigator Award – International Digestive Disease Forum 2015, Outstanding Research Award of National Taiwan University Hospital (2018 &2023), Outstanding Research Award of Ministry of Science and Technology, Taiwan (2018 &2023), and Emerging Leader Award of JGH Foundation (2019).