

CURRICULUM VITAE
The Johns Hopkins University School of Medicine

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DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments

2021 – Present Associate Professor of Medicine, Division of Gastroenterology & Hepatology, The Johns Hopkins School of Medicine, Baltimore, MD

2016 – Present Attending Physician, Johns Hopkins Bayview Medical Center and Johns Hopkins Hospital, Baltimore, MD

2021 - Present Associate Director, Gastroenterology Fellowship Training Program, Johns Hopkins Medicine

2021 - Present Core Faculty, Endoscopic Training. Gastroenterology Fellowship, Johns Hopkins Medicine

Personal Data

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Education and Training

Doctoral/graduate

1999 - 2005 Doctor of Medicine (First class honor; top 3%)
Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand

Postdoctoral

2008 - 2011 Internal Medicine internship and residency, Texas Tech University School of Medicine, Lubbock, TX

2011 - 2014 Fellowship in Gastroenterology & Hepatology, Mayo Clinic College of Medicine. Mayo Clinic Florida, Jacksonville, FL

2014 - 2016 Advanced Fellowship, Interventional Endoscopy, The Johns Hopkins University School of Medicine, Baltimore, MD

Professional Experience

2013 - 2014 Instructor, Mayo Clinic College of Medicine and Science. Jacksonville, FL

2016 – 2021 Assistant Professor of Medicine, Johns Hopkins University School of Medicine

2021 – Present Associate Professor of Medicine, Johns Hopkins University School of Medicine

Original Research [OR]

1. **Ngamruengphong S**, Sharma VK, Das A. Diagnostic yield of methylene blue chromoendoscopy for detecting specialized intestinal metaplasia and dysplasia in Barrett's esophagus: a meta-analysis. *Gastrointest Endosc.* 2009;69(6):1021-8. PMID: 19215918
2. Das A, **Ngamruengphong S**, Nagendra S, Chak A. Asymptomatic pancreatic cystic neoplasm: A cost-effectiveness analysis of different strategies of management. *Gastrointest Endosc* 2009;70(4):690-699. PMID: 19647240
3. **Ngamruengphong S**, Sharma VK, Nguyen B, Das A. Assessment of Response to Neoadjuvant Therapy in Esophageal Cancer – an Updated Systematic Review of Diagnostic accuracy of EUS and FDG-PET. *Disease of Esophagus* 2010;23(3):216-31. PMID: 19515185
4. **Ngamruengphong S**, Li F, Zhou Y, Chak A, Cooper GS, Das A. Endoscopic Ultrasound and Survival in Patients with Pancreatic Cancer: A population-based study. *Gastrointest Endosc* 2010;72:78-83. PMID: 20620274
5. **Ngamruengphong S**, Leontiadis GI, Radhi S, Dentino A, Nugent K. Proton Pump Inhibitors and Risk of Fracture: A Systematic Review and Meta-Analysis of Observational Studies. *Am J Gastroenterol.* 2011; 106(7):1209-18. PMID: 21483462
6. **Ngamruengphong S**, Nugent K, Rakvit A, Parupudi S. Potential Preventability of Spontaneous Bacterial Peritonitis. *Dig Dis Sci.* 2011;56(9):2728-34. PMID: 21394460
7. Panamonta N, **Ngamruengphong S**, Kijisrichareanchai K, Nugent K, Rakvit A. Endoscopic ultrasound-guided versus conventional transmural techniques have comparable treatment outcomes in draining pancreatic pseudocysts. *Eur J Gastroenterol Hepatol* 2012;24(12):1355-62. PMID: 23114741
8. Vazquez-Elizondo G, **Ngamruengphong S**, Khrisna M, Devault KR, Talley NJ, Achem SR. The outcome of patients with oesophageal eosinophilic infiltration after an eight-week trial of a proton pump inhibitor. *Aliment Pharmacol Ther.* 2013;38(10):1312-9. PMID:24117619
9. **Ngamruengphong S**, Xu C, Woodward TA, Raimondo M, Stauffer JA, Asbun HJ, Wallace MB. Risk of gastric/peritoneal recurrence and long term outcomes after EUS-guided FNA in patient with resected pancreatic cancer. *Endoscopy.* 2013;45(8):619-26. PMID: 23881804.
10. **Ngamruengphong S**, Wolfsen HC, Wallace MB. Survival Following Endoscopic Treatment versus Surgery in patients with Superficial Esophageal Adenocarcinoma. *Clin Gastroenterol Hepatol.* 2013;11(11):1424-1429. PMID:23735443
11. **Ngamruengphong S**, Bartel MJ, Raimondo M. Diagnostic Performance of Intra-cystic Carcinoembryonic Antigen in Differentiating Benign from Malignant Pancreatic Cysts: A Meta-Analysis. *Dig Liver Dis.* 2013;45(11):920-6. PMID:23790480
12. Horsley-Silva JL, **Ngamruenphong S**, Frey GT, Paz-Fumagalli R, Lewis MD. Segmental arterial mediolysis: a case of mistaken hemorrhagic pancreatitis and review of the literature. *JOP.* 2014; 10;15(1):72-7. PMID:24413790
13. **Ngamruengphong S**, Patel T. Molecular Evolution of Genetic Susceptibility to Hepatocellular Carcinoma. *Dig Dis Sci.* 2014;59(5):986-91. PMID:24357186
14. **Ngamruengphong S**, Boardman LA, Heigh RI, Krishna M, Roberts MA, Riegert-Johnson DL. Gastric adenomas in Familial Adenomatous Polyposis are common, but subtle, and have a benign course. *Hereditary Cancer in Clinical Practice.* *Hered Cancer Clin Pract.* 2014; 24;12(1):4. PMID:24565534.
15. Kijisrichareanchai K, **Ngamruengphong S**, Rakvit A, Nugent K, Parupudi S. The utilization of standardized order sets using AASLD guidelines for patients with suspected cirrhosis and acute gastrointestinal bleeding. *Quality Management in Health Care.* 2013;22(2):146-51. PMID: 23542369 [SI/QI]
16. **Ngamruengphong S**, Swanson KM, Shah ND, Wallace MB. Preoperative endoscopic ultrasound-guided fine needle aspiration does not impair survival of patients with resected pancreatic cancer. *Gut.* 2015;64(7):1105-10. PMID: 25575893
17. **Ngamruengphong S**, Seeger KM, McCrone LM, Moris M, Garrison SJ, Pungpapong S, Keaveny AP, Raimondo M. Prevalence and outcomes of cystic lesion of the pancreas in immunosuppressed patients with solid organ transplantation. *Dig Liver Dis.* 2015;47(5):417-22. PMID: 25804443

18. Kumbhari V, Besharati S, Abdelgelil A, Tieu AH, Saxena P, El-Zein MH, **Ngamruengphong S**, Aguila G, Kalloo AN, Khashab MA. Intraprocedural fluoroscopy to determine the extent of the cardiomyotomy during per-oral endoscopic myotomy (with video). *Gastrointest Endosc.* 2015;81(6):1451-6. PMID: 25887723
19. **Ngamruengphong S**, Horsley-Silva JL, Hines SL, Pungpapong S, Patel T, Keaveny AP. Educational intervention on primary care residents' knowledge and performance on Hepatitis B vaccination in patients with Diabetes Mellitus. *South Med J* 2015;108(9):510-5. PMID: 26332473
20. Khashab MA, Besharati S, **Ngamruengphong S**, Kumbhari V, El Zein M, Stein EM, Tieu A, Mullin GE, Dhalla S, Nandwani MC, Singh V, Canto MI, Kalloo AN, Clarke JO. Refractory gastroparesis can be successfully managed with endoscopic transpyloric stent placement and fixation (with video). *Gastrointest Endosc.* 2015;82(6):1106-9. PMID: 26253017
21. Stoven SA, Choung RS, Rubio-Tapia A, Absah I, Lam-Himlin DM, Harris LA, **Ngamruengphong S**, Vazquez Roque MI, Wu T, Murray JA. Analysis of Biopsies From Duodenal Bulbs of all Endoscopy Patients Increases Detection of Abnormalities but has a Minimal Effect on Diagnosis of Celiac Disease. *Clinical Gastroenterology and Hepatology.* 2016;14(11):1582-1588. PMID: 26965842
22. Khashab MA, Messallam AA, Penas I, Nakai Y, Modayil RJ, De la Serna C, Hara K, El Zein M, Stavropoulos SN, Perez-Miranda M, Kumbhari V, **Ngamruengphong S**, Dhir VK, Park do H. International multicenter comparative trial of transluminal EUS-guided biliary drainage via hepatogastrostomy vs. choledochoduodenostomy approaches. *Endosc Int Open.* 2016;4(2):E175-81. PMID: 26878045
23. Khashab MA, Kumbhari V, Grimm IS, **Ngamruengphong S**, Aguila G, El Zein M, Kalloo AN, Baron TH. EUS-guided gastroenterostomy: the first U.S. clinical experience (with video). *Gastrointest Endosc.* 2015;82(5):932-8. PMID: 26215646
24. Khashab MA, El Zein M, Kumbhari V, Besharati S, **Ngamruengphong S**, Messallam A, Abdelgalil A, Saxena P, Tieu AH, Raja S, Stein E, Dhalla S, Garcia P, Singh VK, Pasricha PJ, Kalloo AN, Clarke JO. Comprehensive analysis of efficacy and safety of peroral endoscopic myotomy performed by a gastroenterologist in the endoscopy unit: a single-center experience. *Gastrointest Endosc.* 2016;83(1):117-25. PMID: 26212369
25. Khashab MA, Van der Merwe S, Kunda R, El Zein MH, Teoh AY, Marson FP, Fabbri C, Tarantino I, Varadarajulu S, Modayil RJ, Stavropoulos SN, Peñas I, **Ngamruengphong S**, Kumbhari V, Romagnuolo J, Shah R, Kalloo AN, Perez-Miranda M, Artifon EL. Prospective international multicenter study on endoscopic ultrasound-guided biliary drainage for patients with malignant distal biliary obstruction after failed endoscopic retrograde cholangiopancreatography. *Endosc Int Open.* 2016;4(4):E487-96. PMID: 27092334
26. **Ngamruengphong S**, von Rahden BH, Filser J, Tyberg A, Desai A, Sharaiha RZ, Lambroza A, Kumbhari V, El Zein M, Abdelgelil A, Besharati S, Clarke JO, Kalloo AN, Kahaleh M, Khashab MA. Intraoperative measurement of esophagogastric junction cross-sectional area by impedance planimetry correlates with clinical outcomes of peroral endoscopic myotomy for achalasia: A multicenter study. *Surgical Endoscopy* 2016;30(7):2886-94. PMID: 26487227
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28. Khashab MA, Bukhari M, Baron TH, Nieto J, El Zein M, Chen YI, Chavez YH, **Ngamruengphong S**, Alawad AS, Kumbhari V, Itoi T. International multicenter comparative trial of endoscopic ultrasonography-guided gastroenterostomy versus surgical gastrojejunostomy for the treatment of malignant gastric outlet obstruction. *Endosc Int Open.* 2017;5(4):E275-E281. PMID: 28382326
29. **Ngamruengphong S**, Sharaiha RZ, Sethi A, Siddiqui AA, DiMaio CJ, Gonzalez S, Im J, Rogart JN, Jagroop S, Widmer J, Hasan RA, Laique S, Gonda T, Ponerros J, Desai A, Tyberg A, Kumbhari V, El Zein M, Abdelgelil A, Besharati S, Hernaez R, Okolo PI, Singh V, Kalloo AN, Kahaleh M, Khashab MA. Endoscopic suturing for the prevention of stent migration in benign upper gastrointestinal conditions: a comparative multicenter study. *Endoscopy.* 2016;48(9):802-8. PMID: 27356125
30. Kumbhari V, Peñas I, Tieu AH, De la Serna-Higuera C, Juneja M, Maufa F, **Ngamruengphong S**, El-Zein MH, Haddad N, Krishnan S, Gonzalez S, Renny PV, Saxena P, Howard L, DiMaio CJ, Buscaglia JM, Perez-

- Miranda M, Khashab MA. Interventional EUS Using a Flexible 19-Gauge Needle: An International Multicenter Experience in 162 Patients. *Dig Dis Sci*. 2016;61(12):3552-3559. PMID: 27714511
31. Khashab MA, **Ngamruengphong S**, Carr-Locke D, Bapaye A, Benias PC, Serouya S, Dorwat S, Chaves DM, Artifon E, de Moura EG, Kumbhari V, Chavez YH, Bukhari M, Hajiyeva G, Ismail A, Chen YI, Chung H. Gastric per-oral endoscopic myotomy for refractory gastroparesis: results from the first multicenter study on endoscopic pyloromyotomy (with video). *Gastrointest Endosc*. 2017;85(1):123-128. PMID: 27354102
 32. Chen YI, Levy MJ, Moreels TG, Hajiyeva G, Will U, Artifon EL, Hara K, Kitano M, Topazian M, Abu Dayyeh B, Reichel A, Vilela T, **Ngamruengphong S**, Haito-Chavez Y, Bukhari M, Okolo P 3rd, Kumbhari V, Ismail A, Khashab MA. An international multicenter study comparing EUS-guided pancreatic duct drainage with enteroscopy-assisted endoscopic retrograde pancreatography after Whipple surgery. *Gastrointest Endosc*. 2017;85(1):170-177. PMID: 27460390
 33. Khashab MA, Kumbhari V, Tieu AH, El Zein MH, Ismail A, **Ngamruengphong S**, Singh VK, Kalloo AN, Clarke JO, Stein EM. Peroral endoscopic myotomy achieves similar clinical response but incurs lesser charges compared to robotic heller myotomy. *Saudi J Gastroenterol*. 2017;23(2):91-96. PMID: 28361839
 34. **Ngamruengphong S**, Inoue H, Chiu PW, Yip HC, Bapaye A, Ujiki M, Patel L, Desai PN, Hayee B, Haji A, Wong VW, Perretta S, Dorwat S, Pioche M, Roman S, Rivory J, Mion F, Ponchon T, Garros A, Nakamura J, Hata Y, Balassone V, Onimaru M, Hajiyeva G, Ismail A, Chen YI, Bukhari M, Haito-Chavez Y, Kumbhari V, Maselli R, Repici A, Khashab MA. Long-term outcomes of per-oral endoscopic myotomy in patients with achalasia with a minimum follow-up of 2 years: an international multicenter study. *Gastrointest Endosc*. 2017;85(5):927-933.e2.
 35. Irani S, **Ngamruengphong S**, Teoh A, Will U, Nieto J, Abu Dayyeh BK, Gan SI, Larsen M, Yip HC, Topazian MD, Levy MJ, Thompson CC, Storm AC, Hajiyeva G, Ismail A, Chen YI, Bukhari M, Chavez YH, Kumbhari V, Khashab MA. Similar Efficacies of Endoscopic Ultrasound Gallbladder Drainage With a Lumen-Apposing Metal Stent Versus Percutaneous Transhepatic Gallbladder Drainage for Acute Cholecystitis. *Clin Gastroenterol Hepatol*. 2017;15(5):738-745. PMID: 28043931
 36. **Ngamruengphong S**, Nieto J, Kunda R, Kumbhari V, Chen YI, Bukhari M, El Zein MH, Bueno RP, Hajiyeva G, Ismail A, Chavez YH, Khashab MA. Endoscopic ultrasound-guided creation of a transgastric fistula for the management of hepatobiliary disease in patients with Roux-en-Y gastric bypass. *Endoscopy*. 2017;49(6):549-552. PMID: 28395382
 37. Chen YI, Itoi T, Baron TH, Nieto J, Haito-Chavez Y, Grimm IS, Ismail A, **Ngamruengphong S**, Bukhari M, Hajiyeva G, Alawad AS, Kumbhari V, Khashab MA. EUS-guided gastroenterostomy is comparable to enteral stenting with fewer re-interventions in malignant gastric outlet obstruction. *Surg Endosc*. 2017;31(7):2946-2952. PMID: 27834024
 38. Kumbhari V, Familiari P, Bjerregaard NC, Pioche M, Jones E, Ko WJ, Hayee B, Cali A, **Ngamruengphong S**, Mion F, Hernaez R, Roman S, Tieu AH, El Zein M, Ajayi T, Haji A, Cho JY, Hazey J, Perry KA, Ponchon T, Kunda R, Costamagna G, Khashab MA. Gastroesophageal reflux after peroral endoscopic myotomy: a multicenter case-control study. *Endoscopy*. 2017;49(7):634-642. PMID: 28472834
 39. Haito-Chavez Y, Inoue H, Beard KW, Draganov PV, Ujiki M, Rahden BHA, Desai PN, Pioche M, Hayee B, Haji A, Saxena P, Reavis K, Onimaru M, Balassone V, Nakamura J, Hata Y, Yang D, Pannu D, Abbas A, Perbtani YB, Patel LY, Filser J, Roman S, Rivory J, Mion F, Ponchon T, Perretta S, Wong V, Maselli R, **Ngamruengphong S**, Chen YI, Bukhari M, Hajiyeva G, Ismail A, Pieratti R, Kumbhari V, Galdos-Cardenas G, Repici A, Khashab MA. Comprehensive Analysis of Adverse Events Associated With Per Oral Endoscopic Myotomy in 1826 Patients: An International Multicenter Study. *Am J Gastroenterol*. 2017 Aug;112(8):1267-1276. PMID: 28534521
 40. Brewer Gutierrez OI, Nieto J, Irani S, James T, Pieratti Bueno R, Chen YI, Bukhari M, Sanaei O, Kumbhari V, Singh VK, **Ngamruengphong S**, Baron TH, Khashab MA. Double endoscopic bypass for gastric outlet obstruction and biliary obstruction. *Endosc Int Open*. 2017 Sep;5(9):E893-E899. PMID: 28924596
 41. Hill C, El Zein M, Agnihotri A, Dunlap M, Chang A, Agrawal A, Barola S, **Ngamruengphong S**, Chen YI, Kalloo AN, Khashab MA, Kumbhari V Endoscopic sleeve gastropasty: the learning curve. *Endosc Int Open*. 2017;5(9):E900-E904. PMID: 28924597

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43. Khan MA, Kumbhari V, **Ngamruengphong S**, Ismail A, Chen YI, Chavez YH, Bukhari M, Nollan R, Ismail MK, Onimaru M, Balassone V, Sharata A, Swanstrom L, Inoue H, Repici A, Khashab MA. Is POEM the Answer for Management of Spastic Esophageal Disorders? A Systematic Review and Meta-Analysis. *Dig Dis Sci*. 2017;62(1):35-44. PMID: 27858325
44. Hill C, Khalil BK, Barola S, Agnihotri A, Moran RA, Chen YI, **Ngamruengphong S**, Singh VK, Frame LA, Schweitzer MA, Magnuson TH, Khashab MA, Okolo PI 3rd, Kumbhari V. Inversion Technique for the Removal of Partially Covered Self-Expandable Metallic Stents. *Obes Surg*. 2018;28(1):161-168. PMID: 28695460
45. Gearhart S, Marohn M, **Ngamruengphong S**, Adrales G, Owodunni O, Duncan K, Petrusa E, Lipsett P. Development of a train-to-proficiency curriculum for the technical skills component of the fundamentals of endoscopic surgery exam. *Surg Endosc*. 018 Jul;32(7):3070-3075. PMID: 29313124
46. **Ngamruengphong S**, Sharaiha R, Sethi A, Siddiqui A, DiMaio CJ, Gonzalez S, Rogart J, Jagroop S, Widmer J, Im J, Hasan RA, Laique S, Gonda T, Poneris J, Desai A, Wong K, Villgran V, Brewer Gutierrez O, Bukhari M, Chen YI, Hernaez R, Hanada Y, Sanaei O, Agarwal A, Kalloo AN, Kumbhari V, Singh V, Khashab MA. Fully-covered metal stents with endoscopic suturing vs. partially-covered metal stents for benign upper gastrointestinal diseases: a comparative study. *Endosc Int Open*. 2018;6(2):E217-E223. PMID: 29404384
47. Brewer Gutierrez OI, Irani SS, **Ngamruengphong S**, Aridi HD, Kunda R, Siddiqui A, Dollhopf M, Nieto J, Chen YI, Sahar N, Bukhari MA, Sanaei O, Canto MI, Singh VK, Kozarek R, Khashab MA. Endoscopic ultrasound-guided entero-enterostomy for the treatment of afferent loop syndrome: a multicenter experience. *Endoscopy*. 2018;50(9):891-895. PMID: 29499577
48. Barola S, Fayad L, Hill C, Magnuson T, Schweitzer M, Singh V, Chen YI, **Ngamruengphong S**, Khashab MA, Kalloo AN, Kumbhari V. Endoscopic Management of Recalcitrant Marginal Ulcers by Covering the Ulcer Bed. *Obes Surg*. 2018;28(8):2252-2260. PMID: 29556889
49. Bukhari M, Kowalski T, Nieto J, Kunda R, Ahuja NK, Irani S, Shah A, Loren D, Brewer O, Sanaei O, Fayad L, Chen YI, **Ngamruengphong S**, Kumbhari V, Singh V, Aridi HD, Khashab MA. An international, multicenter, comparative trial of EUS-guided gastrogastrostomy-assisted ERCP versus enteroscopy-assisted ERCP in patients with Roux-en-Y gastric bypass anatomy. *Gastrointest Endosc*. 2018;88(3):486-494. PMID: 29730228
50. Wang P, Xu T, **Ngamruengphong S**, Makary MA, Kalloo A, Hutfless S. Rates of infection after colonoscopy and esophagogastroduodenoscopy in ambulatory surgery centres in the USA. *Gut*. 2018;67(9):1626-1636. PMID: 29777042. *I was involved in study design, data analysis and editing final manuscript*
51. Brewer Gutierrez OI, Bekkali NLH, Rajman I, Sturgess R, Sejpal DV, Aridi HD, Sherman S, Shah RJ, Kwon RS, Buxbaum JL, Zulli C, Wassef W, Adler DG, Kushnir V, Wang AY, Krishnan K, Kaul V, Tzimas D, DiMaio CJ, Ho S, Petersen B, Moon JH, Elmunzer BJ, Webster GJM, Chen YI, Dwyer LK, Inamdar S, Patrick VB, Attwell A, Hosmer A, Ko C, Maurano A, Sarkar A, Taylor LJ, Gregory MH, Strand DS, Raza A, Kothari S, Harris JP, Kumta NA, Manvar A, Topazian MD, Lee YN, Spiceland CM, Trindade AJ, Bukhari MA, Sanaei O, **Ngamruengphong S**, Khashab MA. Efficacy and Safety of Digital Single-Operator Cholangioscopy for Difficult Biliary Stones. *Clin Gastroenterol Hepatol*. 2018.;16(6):918-926. PMID: 29074446.
52. Chen YI, Inoue H, Ujiki M, Draganov PV, Colavita P, Mion F, Romanelli J, Chiu P, Balassone V, Patel L, Abbas A, Yang D, Dunst C, Pioche M, Roman S, Rivory J, Ponchon T, Desilets D, Maselli R, Onimaru M, Nakamura J, Hata Y, Hajiyeva G, Ismail A, **Ngamruengphong S**, Bukhari M, Chavez YH, Kumbhari V,

- Repici A, Khashab MA. An international multicenter study evaluating the clinical efficacy and safety of peroral endoscopic myotomy in octogenarians. *Gastrointest Endosc.* 2018;87(4):956-961. PMID: 28235595.
53. Agarwal A, Benias P, Brewer Gutierrez OI, Wong V, Hanada Y, Yang J, Villgran V, Kumbhari V, Kalloo A, Khashab MA, Chiu P, **Ngamruengphong S**. Endoscopic suturing for management of peptic ulcer-related upper gastrointestinal bleeding: a preliminary experience. *Endosc Int Open.* 2018;6(12):E1439-E1444. doi: 10.1055/a-0749-0011. PMID: 30539067
 54. Yang J, Chen YI, Friedland S, Holmes I, Paiji C, Law R, Hosmer A, Stevens T, Matheus F, Pawa R, Mathur N, Sejpal D, Inamdar S, Berzin TM, DiMaio CJ, Gupta S, Yachimski PS, Anderloni A, Repici A, Theodore J, Jamil LH, Ona M, Lo SK, Sirnivas G, Dollhopf M, Alammar N, Shieh E, Bukhari M, Kumbhari V, Singh V, Brewer O, Sanaei O, Fayad L, **Ngamruengphong S**, Shin EJ, Baron TH, Khashab MA. Lumen-apposing stents versus plastic stents in the management of pancreatic pseudocysts: a large, comparative, international, multicenter study. *Endoscopy.* 2019;89(3):602-606. PMID: 30536255.
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 57. **Ngamruengphong S**, Kamal A, Akshintala V, Hajiyeva G, Hanada Y, Chen YI, Sanaei O, Fluxa D, Haito Chavez Y, Kumbhari V, Singh V, O'Broin-Lennon AM, Canto MI, Khashab MA. Prevalence of Metastasis and Survival of 788 patients with T1 Rectal Carcinoid Tumors. *Gastrointest Endosc.* 2018;89(3):602-606. PMID: 30447216
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 60. Wang Z, Kambhampati S, Cheng Y, Ma K, Simsek C, Tieu AH, Abraham JM, Liu X, Prasath V, Duncan MD, Stark A, Trick A, Tsai HL, Wang H, He Y, Khashab MA, **Ngamruengphong S**, Shin EJ, Wang TH, Meltzer SJ. Methylation Biomarker Panel Performance in EsophaCap Cytology Samples for Diagnosing Barrett's Esophagus: A Prospective Validation Study. *Clin Cancer Res.* 2019;25(7):2127-2135. PMID: 30670490
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walled-off necrosis: a large international multicenter study. *Endosc Int Open*. 2019;7(3):E347-E354. PMID: 30834293

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64. Aghaie Meybodi M, Shakoor D, Nanavati J, Ichkhanian Y, Vosoughi K, Brewer Gutierrez OI, Kalloo AN, Singh V, Kumbhari V, **Ngamruengphong S**, Khashab MA. Unilateral versus bilateral endoscopic stenting in patients with unresectable malignant hilar obstruction: a systematic review and meta-analysis. *Endosc Int Open*. 2020;8(3):E281-E290. PMID: 32118102
65. Parsa N, Nieto JM, Powers P, Mitsuhashi S, Abdelqader A, Hadzinakos G, Anderloni AA, Fugazza A, James TW, Arlt A, Ellrichmann M, Aparicio JR, Trindade AJ, Stevens TK, Chahal P, Shah SL, Messallam AA, Lang G, Fejleh MP, Benias PC, Sejpal DV, Jones J, Mir FF, Aghaie Meybodi M, Ichkhanian Y, Vosoughi K, Novikov AA, Irani SS, Pawa R, Ahmed AM, Sedarat A, Hsueh W, Hampe J, Sharaiha RZ, Berzin TM, Willingham FF, Kushnir VM, Brewer Gutierrez OI, **Ngamruengphong S**, Huggett MT, Baron TH, Repici A, Adler DG, Nasr JT, Kowalski TE, Kumbhari V, Singh VK, Khashab MA. Endoscopic ultrasound-guided drainage of pancreatic walled-off necrosis using 20-mm versus 15-mm lumen-apposing metal stents: an international, multicenter, case-matched study. *Endoscopy*. 2020;52(3):211-219. PMID: 32000275
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68. **Ngamruengphong S.**, Ferri L, Aihara H, Draganov PV, Yang DJ, Perbtani YB, Jue TL, Munroe CA, Boparai ES, Mehta NA, Bhatt A, Kumta NA, Othman MO, Mercado M, Javaid H, Aziz Aadam A, Siegel A, James TW, Grimm IS, DeWitt JM, Novikov A, Schlachterman A, Kowalski T, Samarasena J, Hashimoto R, Chehade NEH, Lee J, Chang K, Su B, Ujiki MB, Mehta A, Sharaiha RZ, Carr-Locke DL, Chen A, Chen M, Chen Y, Pourmousavi Khoshknab M, Wang R, Kerdsirichairat T, Tomizawa Y, von Renteln D, Kumbhari V, Khashab MA, Bechara R, Karasik M, Patel NJ, Fukami N, Nishimura M, Hanada Y, Wong Kee Song LM, Laszkowska M, Wang AY, Hwang JH, Friedland S, Sethi A, Kalloo AN. Efficacy of Endoscopic Submucosal Dissection for Superficial Gastric Neoplasia in a Large Cohort in North America. *Clin Gastroenterol Hepatol* 2020. In press.

Review Articles [RA]

1. **Ngamruengphong S**, Pohl H, Haito-Chavez Y, Khashab MA. Update on Difficult Polypectomy Techniques. *Curr Gastroenterol Rep*. 2016;18(1):3. PMID: 26714965
2. **Ngamruengphong S**, Lennon AM. Analysis of Pancreatic Cyst Fluid. *Surg Pathol Clin*. 2016;9(4):677-684. PMID: 27926366
3. **Ngamruengphong S**, Canto MI. Screening for Pancreatic Cancer. *Surg Clin North Am*. 2016;96(6):1223-1233. PMID: 2786527
4. **Ngamruengphong S**, Abe S, Oda I. Endoscopic Management of Early Gastric Adenocarcinoma and Preinvasive Gastric Lesions. *Surg Clin North Am*. 2017;97(2):371-385. PMID: 28325192
5. Moran RA, **Ngamruengphong S**, Sanaci O, Fayad L, Singh VK, Kumbhari V, Khashab MA. EUS-directed transgastric access to the excluded stomach to facilitate pancreaticobiliary interventions in patients with Roux-en-Y gastric bypass anatomy. *Endosc Ultrasound*. 2019; 8(3):139-145. PMID: 30409927

6. Hajiyeva G, **Ngamruengphong S**. Endoscopic techniques for full thickness intestinal biopsy. *Curr Opin Gastroenterol*. 2018;34(5):295-300. PMID: 30067562
7. Hajiyeva G, **Ngamruengphong S**. Diagnostic full thickness resection—Motility disorders, neurologic disorders, and staging of mucosal neoplasms. *Techniques in Gastrointestinal Endoscopy*. 2019:43-47

Case Reports [CR]

1. Singhatiraj E, **Ngamruengphong S**, Nugent K. Acute dopaminergic depletion. *J Am Geriatr Soc*. 2010;58(8):1600-1. PMID: 20942879
2. Singhatiraj E, **Ngamruengphong S**, Nugent K, Larppanichpoonphol P. Jaundice and Fever Following a Trip Abroad. *Medscape*. <http://cme.medscape.com/viewarticle/709964>
3. **Ngamruengphong S**, Zhai Q, Francis DL. Gastroparesis and ischemic gastric ulcers in a patient with rheumatoid arthritis receiving adalimumab therapy. *Clin Res Hepatol Gastroenterol*. 2015;39(3):e35-6. PMID: 25573493
4. Sakulsangrapha V, **Ngamruengphong S**. An uncommon cause of obscure GI bleeding. *ACG Case Rep J*. 2019;6(11):e00250. PMID: 32309467

Book Chapters, Monographs [BC]

1. **Ngamruengphong S**, Nugent AK, Nugent K, Nugent R: Case 49: Prostate-Ca-Survival. In: Toy EC, Dentino AN. *Case Files Geriatrics (Lange Case Files Series)*, 1st ed. McGrawHill Medical; 2013
2. Hajiyeva G, Kalloo AN, **Ngamruengphong S**. Endoscopic Full-Thickness Gastric Biopsy: Ready for Prime Time? In *Gastroparesis*. Elsevier. 2020

Editorials [ED]

1. Barola S, Chen YI, **Ngamruengphong S**, Kalloo AN, Khashab MA, Kumbhari V. Technical aspects of endoscopic sleeve gastropasty. *Gastrointest Endosc*. 2017 Apr;85(4):862. PMID: 28235593
2. **Ngamruengphong S***, Kalloo AN. Scissor-type needle-knife for colorectal endoscopic submucosal dissection. *Endoscopy*. 2017;49(9):846-847. PMID: 28850979; *corresponding author
3. Abe S, Oda I, Inoki K, Sekiguchi M, Nonaka S, Suzuki H, Yoshinaga S, **Ngamruengphong S**, Saito Y. Should we perform surveillance endoscopy after endoscopic submucosal dissection of premalignant gastric adenoma? *Ann Laparosc Endosc Surg* 2017;2:95

Methods and Techniques, “How I Do It” articles [MT]

1. Abdelgelil A, Kumbhari V, Tieu AH, Saxena P, Besharati S, **Ngamruengphong S**, El-Zein M, Aguila G, Singh V, Lennon AM, Khashab MA. Snare-over-scope technique for retrieval of a proximally migrated biliary stent. *Endoscopy*. 2014;46. PMID: 25526408
2. **Ngamruengphong S**, Kumbhari V, Tieu AH, Haito-Chavez Y, El-Zein MH, Aguila G, Khashab MA. EUS-Guided Rescue of Early Dislodgement of a Lumen - Apposing Stent. *Gastrointest Endosc*. 2015;82(6):1124
3. **Ngamruengphong S**, Kumbhari V, Tieu AH, Amateau SK, Okolo PI III. Endoscopic Reversal of Gastric Bypass for Severe Malnutrition after Roux-en-Y Gastric Bypass Surgery. *Gastrointest Endosc*. 2015;82(4):746. PMID: 26071065
4. James TW, Moran RA, **Ngamruengphong S**, Singh VK. Endoscopic transmural necrosectomy through spontaneous pancreaticoduodenal fistula. *Gastrointest Endosc*. 2016;83(1):255-6. PMID: 26320697
5. Kumbhari V, Tieu AH, **Ngamruengphong S**, Aguila G, Schweitzer MA, Khashab MA, Singh VK. Endoscopic management of stomal stenosis after Roux-en-Y gastric bypass. *Gastrointest Endosc*. 2015;82(4):747. PMID: 26119649
6. Kumbhari V, Tieu AH, Azola A, **Ngamruengphong S**, El-Zein MH, Khashab MA. Novel Endoscopic Approach for a Large Intraluminal Duodenal ("Windsock") Diverticulum. *Gastrointest Endosc* 2015;82(5):961. PMID: 26119648
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8. Khashab MA, Tieu AH, Azola A, **Ngamruengphong S**, El Zein MH, Kumbhari V. EUS-guided gastrojejunostomy for management of complete gastric outlet obstruction. *Gastrointest Endosc.* 2015;82(4):745. PMID: 26092615
9. Kumbhari V, Tieu AH, Azola A, **Ngamruengphong S**, El-Zein MH, Khashab MA. EUS-guided gastrojejunostomy for management of complete gastric outlet obstruction. *Gastrointest Endosc.* 2015;82(4):745. PMID: 26092615
10. Haito Chavez Y, Kumbhari V, **Ngamruengphong S**, De Moura DT, El Zein M, Vieira M, Aguila G, Khashab MA. Septotomy: an adjunct endoscopic treatment for post-sleeve gastrectomy fistulas. *Gastrointest Endosc.* 2016;83(2):456-7. PMID: 26358326
11. Khashab MA, El Zein M, **Ngamruengphong S**, Chavez YH, Kumbhari V, Ismail A, Tieu AH, Aguila G, Singh VK, Lennon AM, Canto MI, Kalloo AN. Double endoscopic bypass by using lumen-apposing stents (with videos). *Gastrointest Endosc.* 2016;83(2):435-9. PMID: 26773639
12. **Ngamruengphong S**, Kumbhari V, Tieu AH, Haito-Chavez Y, Bukhari M, Hajiyeva G, Ismail A, Aguila G, Chen YI, Khashab MA. A novel "balloon/snare apparatus" technique to facilitate easy creation of fistula tract during EUS-guided gastroenterostomy. *Gastrointest Endosc.* 2016;84(3):527. PMID: 27048972
13. Chen YI, Saxena P, **Ngamruengphong S**, Haito-Chavez Y, Bukhari M, Artifon E, Khashab MA. Endoscopic ultrasound-guided pancreatic duct drainage: technical approaches to a challenging procedure. *Endoscopy.* 2016;48(S 01):E192-E193. PMID: 27219512
14. Tieu AH, Kumbhari V, **Ngamruengphong S**, Haito-Chavez Y, Chen YI, Bukhari M, Khashab MA. Two-stage endoscopic approach for the management of a large symptomatic epiphrenic diverticulum in the setting of achalasia. *Gastrointest Endosc.* 2016;84(5):848-849. PMID: 27311658
15. Haito-Chavez Y, **Ngamruengphong S**, Chen YI, Bukhari M, Aguila G, Khashab MA. Novel hybrid technique for closure of refractory gastrocutaneous fistula: endoscopically guided percutaneous suturing. *Gastrointest Endosc.* 2017;85(1):252-253. PMID: 27443968
16. Haito Chavez Y, **Ngamruengphong S**, Bukhari M, Chen YI, Aguila G, Khashab MA. Transoral incisionless endoscopic fundoplication guided by impedance planimetry to treat severe GERD symptoms after per-oral endoscopic myotomy. *Gastrointest Endosc.* 2017;85(1):254-255. PMID: 27460388
17. Barola S, Magnuson T, Schweitzer M, Chen YI, **Ngamruengphong S**, Khashab MA, Kumbhari V. Endoscopic Suturing for Massively Bleeding Marginal Ulcer 10 days Post Roux-en-Y Gastric Bypass. *Obes Surg.* 2017;27(5):1394-1396. PMID: 28247322
18. **Ngamruengphong S**, Hanada Y, Brewer Gutierrez O, Bukhari M, Chen YI, Kumbhari V, Khashab MA. Submucosal tunneling endoscopic resection of a gigantic esophageal leiomyoma. *Endoscopy.* 2017;49(12):E298-E299. PMID: 28946172
19. Barola S, Tadimeti H, Chen YI, **Ngamruengphong S**, Khashab MA, Kalloo AN, Kumbhari V. Pancreatic Carcinoma Diagnosed by Peroral Pancreatoscopy Using the SpyGlass System. *Am J Gastroenterol.* 2017;112(6):836. PMID: 28572652
20. Agarwal A, Fang S, Pezhouh MK, Kumbhari V, Khashab MA, **Ngamruengphong S**. Full-thickness resection of a rectal scar using a modified over-the-scope clip after piecemeal resection of intramucosal cancer. *Endoscopy.* 2017;49(6):E151-E152. PMID: 28464197
21. Fang SH, **Ngamruengphong S***. Combined endoscopic submucosal dissection and transanal minimally invasive surgery for resection of large refractory rectal polyp. *Endoscopy.* 2018;50(5):548-549. PMID: 29452430
22. Bukhari MA, Haito-Chavez Y, **Ngamruengphong S**, Brewer Gutierrez O, Chen YI, Khashab MA. Rendezvous Biliary Recanalization of Complete Biliary Obstruction With Direct Peroral and Percutaneous Transhepatic Cholangioscopy. *Gastroenterology.* 2018;154(1):23-25. PMID: 29102615
23. Sanaei O, **Ngamruengphong S**, Chen YI, Bukhari M, Brewer Gutierrez O, Kumbhari V, Khashab MA. Endoscopic ultrasonography-guided freestyle rendezvous recanalization of a complete postoperative rectosigmoid anastomotic obstruction with a lumen-apposing metal stent. *Endoscopy.* 2017p;49(9):E206-E207. PMID: 28662540
24. Yang J, Kalloo AN, Gonzalez-Velez E, **Ngamruengphong S**. Modified over-the-scope clip with telescope endoscopic full-thickness resection for colonic adenoma involving diverticulum. *VideoGIE.* 2018;3(10):316-318. PMID: 30276354

25. Bukhari MA, Brewer O, Chen YI, **Ngamruengphong S**, Sanaei O, Saxena P, Khashab MA. Endosonography-guided alteration of upper surgical anatomy to facilitate endoscopic management of biliary cast syndrome post-liver transplantation. *Endoscopy* 2019;51(12):E374-E375. PMID: 31261425
26. Ye L, Jiang J, **Ngamruengphong S**, Yang W, Guo L, Zhang Y, Hu B. Intramural esophageal dissection during peroral endoscopic myotomy. *Endoscopy*. 2019 Jul;51(7):E197-E198. PMID: 30978742
27. **Yang J, Doshi J, Ngamruengphong S**. Endoscopic needle-knife stricturotomy for refractory choledochojejunal anastomotic stricture. *VideoGIE*. 2019;4(8):381-382. PMID: 31388618
28. Kerdsirichairat T, Vosoughi K, Ichkhanian Y, **Ngamruengphong S**, Kalloo AN, Kumbhari V, Khashab MA. Endoscopic full-thickness resection with omental patch closure for a gastric stromal tumor in the gastric cardia. *Endoscopy*. 2019. 51(10):E278-E27. PMID: 31096271
29. **Ngamruengphong S, Mohapatra S**, Runge TM, Paredes E, Fang SH. Recanalization of a complete coloanal anastomotic obstruction using a combined antegrade-retrograde rendezvous technique. *Endoscopy*. 2020. doi: 10.1055/a-1104-5119. PMID: 32106316
30. **Lopimpisuth C**, Kerdsirichairat T, Khoshknab MP, Hamilton JP, **Ngamruengphong S**. Over-the-scope clip as salvage therapy in refractory bleeding from esophageal variceal band ligation-induced ulcer. *Endoscopy*. 2020;52(1):E33-E34. PMID: 31434152

Letters, Correspondence [LT]

1. **Ngamruengphong S***, Khashab MA. Reply to Zhang et al. *Endoscopy*. 2017;49(4):403-404. PMID: 28351106 *corresponding author

Other Media [OM]

CME Questions

1. Devault KR, Gómez V, **Ngamruengphong S**. Continuing medical education questions: October 2012. *Am J Gastroenterol*. 2012; 107:1502 (on “Endoscopy in the Elderly”)
2. Devault KR, Gómez V, **Ngamruengphong S**. Continuing medical education questions: December 2012. *Am J Gastroenterol*. 2012; 107:1907. (on “Non-Celiac Wheat Sensitivity Diagnosed by Double-Blind Placebo-Controlled Challenge: Exploring a New Clinical Entity”)
3. Devault KR, Gómez V, **Ngamruengphong S**. Continuing medical education questions: February 2013. *Am J Gastroenterol*. 2013;108(2):196. (on “Intestinal Metaplasia Recurs Infrequently in Patients Successfully Treated for Barrett's Esophagus With Radiofrequency Ablation”)
4. Devault KR, Gómez V, **Ngamruengphong S**. Continuing medical education questions: April 2013. *Am J Gastroenterol*. 2013;108(4):499. (on “Guidelines for Diagnosis, Treatment, and Prevention of Clostridium difficile Infections”)
5. Devault KR, Gómez V, **Ngamruengphong S**. Continuing medical education questions: June 2013. *Am J Gastroenterol*. 2013; 108 (6):904 (on “Association Between Constipation and Colorectal Cancer: Systematic Review and Meta-Analysis of Observational Studies”)
6. Devault KR, Gómez V, **Ngamruengphong S**. Continuing medical education questions: August 2013. *Am J Gastroenterol*. 2013; 108 (8):1237 (on “ACG Clinical Guideline: Diagnosis and Management of Achalasia”)
7. **Ngamruengphong S**. Continuing medical education questions: October 2020. *Am J Gastroenterol*. 115 (10): 1574 (on “The Role of Bile Acids in Chronic Diarrhea”)

Media Releases or Interviews [MR]

- | | |
|------------|--|
| 12/11/2018 | BroadcastMED, For Colorectal Polyps: Early Detection and Minimally Invasive Endoscopic Resection. Discussed about innovative approaches to colorectal surgery benefit patients, “Combined ESD and TAMIS Among the First in the U.S.” |
| 1/22/2019 | Science Daily. “Test for esophageal cancer could save millions of lives” |
| 6/22/2020 | MEDPAGETODAY. Endoscopic submucosal dissection (ESD) appeared effective for removing superficial gastric cancer |

FUNDING

EXTRAMURAL FUNDING

Research Extramural Funding

Current

1/1/21 – 12/30/21 Natural Orifice Translumenal Endoscopic Surgery (NOTES) for endoscopic transgastric lymph node resection: an ex vivo study
Funding gift from Mrs. Kathryn C. Turner, Standard Technology, Inc.
\$46,000
Role: PI: 2%

Pending

None

Previous

10/1/18 – 9/30/20 Quantitative topographic endoscopy for improved screening of non-polypoid colorectal neoplasms
EB024700-01A1
NIH: R21
\$300,000
PI: Nicholas Durr, PhD
Role: lead a pilot human study; 5% effort; the study to determine the validity of quantitative topographic endoscopy (QTE) via a modified commercial colonoscope to improve detection of colonic lesions during screening colonoscopy.

INTRAMURAL Funding:

Current

7/1/21 – 6/30/2022 Studying dysmotility-associated enteric neuropathology using novel artificial intelligence (AI)-driven tools.
GI Pilots Funding gift
\$20,000
Role: PI
Principle Investigators: Saowanee Ngamruengphong and Subhash Kulkarni, PhD

CLINICAL ACTIVITIES

Clinical Focus

2016 - current Provide advanced endoscopic resection service for treatment of GI luminal lesions/tumors. This technique is highly complex and technically demanding and it is an alternative to surgery.

2016 - current Therapeutic endoscopy services at Johns Hopkins Hospital and Johns Hopkins Bayview Medical Center.

Certification

2011 - 2021 American Board of Internal Medicine - Internal Medicine

2014 - current American Board of Internal Medicine – Gastroenterology

Licensure

2008 Texas BP10032775

2011 Florida ME 109387
2016 Maryland D81862

Clinical (Service) Responsibilities:

- 2016 - current
- Inpatient attending for gastroenterology consultation: 3 – 5 weeks / year. Supervise care of patients and perform endoscopic procedures.
 - Interventional endoscopist, 3 days per week: Perform advanced endoscopic procedures to treat gastrointestinal conditions e.g. ERCP, EUS, enteroscopy, endoscopic resection, stenting, suturing, ablation.
 - GI clinic ½ day per week
 - GI on-call 6-7 weekends per year, 2-4 weekdays per month

Clinical Productivity

2016 - current My annual RVU productivity is consistently greater than benchmark and among the top 3 highest RVUs provider in the GI division.

Clinical Draw from outside local/regional area

2016 - current I perform over 1,250 endoscopic procedures/ year in addition to clinical services

Clinical Program Building/Leadership

- 2016 Initiated endoscopic submucosal dissection program at JHH and JHBMC.
Developed protocols for enhanced safety and efficiency of ESD procedure at JHH and JHBMC.
Collaborated with surgery to develop a novel combined minimally invasive ESD and surgical procedure, which was the first report from the US
Impact of program: (1) increase referrals to JHMI for ESD and / or combined endoscopic / surgery technique; (2) collaborate in the ESD US registry (I am the site PI at JHMI)
- 2018 Expanded therapeutic endoscopy program at Johns Hopkins Bayview Medical Center
- 2018 Expanded endoscopic ultrasonography (EUS) program and interventional EUS at JHBMC
- 2018 Initiated a cryoablation program for Barrett's esophagus at JHBMC

Clinical Demonstration Activities to external audience, on or off campus

- 2016 - present ESD procedures. We have had providers from other US institutions, such as Brigham and Women's Hospital, and international physicians from China, Turkey, Australia, come to observe our ESD procedures.

EDUCATIONAL ACTIVITIES

Educational Focus

In endoscopy unit, my focus is to teach endoscopic procedures to our fellows. The general GI fellows are taught the basic skills in endoscopy, and general therapeutic endoscopic procedures. The advanced endoscopy fellows are

taught the basic and interventional EUS, ERCP, EMR, ESD, full thickness resection, enteroscopy, stenting, endoscopic suturing, submucosal endoscopy.

Teaching

Classroom instruction

2016-current Didactics, Johns Hopkins University GI division fellows and rotating students

2016-current Lecturer, Gastroenterology fellow Lecture Series

CME Instruction

CME Lecturer - See invited talks

Workshops /seminars

JHMI/Regional

- 4/2017 Course Faculty, performing liver endoscopy. First Hopkins International Therapeutic Endoscopy Course (HITEC), Baltimore, MD
- 5/2018 Course Faculty, performing liver endoscopy. Second Hopkins International Therapeutic Endoscopy Course (HITEC), Baltimore, MD
- 4/2019 Course Faculty, performing liver endoscopy. Third Hopkins International Therapeutic Endoscopy Course (HITEC), Baltimore, MD
- 10/2020 Course Faculty, Panelist: Luminal endoscopy. Fourth Hopkins International Therapeutic Endoscopy Course (HITEC), Baltimore, MD

National

- 1/2020 Invited faculty. Hands-on Workshops. Endoscopic submucosal dissection. American College of Gastroenterology Board of Governors / American Society for Gastrointestinal Endoscopy Best Practices Course in Las Vegas, NV.

International

- 11/2017 Invited faculty. Lecture: Endoscopic management of colorectal polyps
Universidao Ricardo Palma. Lima. Peru.
- 11/2017 Course instructor, Hand-on session: EMR and ESD. November 25, 2017. Arequipa. Peru.
- 6/2018 Invited faculty. Lecture: endoscopic management of early gastric adenocarcinoma and preinvasive gastric lesions. June 27, 2018.
Universidao Ricardo Palma. Lima. Peru.
- 6/2018 Invited faculty. Hand-on session.
Endoscopic submucosal dissection for gastric lesions. June 28, 2018
Applied Research Center. Lima. Peru.
- 12/2018 Invited faculty. Hand-on session. EUS-guided biliary drainage
The 21st International Symposium on Endoscopic Ultrasonography (EUS) 2018. December 4, 2018. Bangkok. Thailand
- 11/2019 Invited faculty. Hand-on session. Linear EUS
11th Thailand Local Asian EUS group Workshop 2019. Nong Khai, Thailand

RESEARCH ACTIVITIES

Research Focus

Endoscopic therapy for gastrointestinal neoplasm and novel endoscopic techniques.

Gastric Cancer: I led a multicenter study to assess the risk of lymph node metastasis in early gastric cancer in the United States. This study provides key information on the risk of lymph node metastasis in the US population and can

allow the physician to make the critical decision as to whether a patient can be treated with minimally invasive endoscopic treatment or requires surgical resection, based on the patient's risk of developing metastatic disease. I led a multicenter study involving 25 centers across North America to assess the safety and efficacy of a novel endoscopic resection technique for early gastric neoplasia called endoscopic submucosal dissection, which is superior to the conventional endoscopic resection technique that is commonly performed in the United States.

Novel Endoscopic Approaches: such as (1) a new method of "oversewing" a bleeding or high-risk peptic ulcer using novel endoscopic suturing, which is a safe and effective method for achieving endoscopic hemostasis; (2) endoscopic full-thickness muscle biopsy for rectal tissue sampling in patients with severe gut motility disorders, thus the patient can avoid traditional surgical biopsy.

Research Program Building / Leadership

2016 Site-PI of the ESD US registry, which is a multicenter prospective study on utility of ESD, at Johns Hopkins University.

ORGANIZATIONAL ACTIVITIES

Institutional Administrative

2016 - current Endoscopy Nursing education. Endoscopy unit. JHMI.
 2017 Endoscopy Steering committee: EUS for gastric cancer. JHMI. Endoscopy unit
 2017 Endoscopy Steering committee: Enteroscopy. JHMI. Endoscopy unit

Editorial Activities

04/2016 - current Editorial Review Board; *VideoGIE*
 04/2018 - current Editorial Review Board; *Gastrointestinal Endoscopy*
 2017 - current Invited Mentor in the mentorship program for new reviewers. *Gastrointestinal Endoscopy* (journal of the American Society for Gastrointestinal Endoscopy)
 2018-2019 Invited Editor: Special Issue "Gastric Cancer"; *Cancers*
 2021 - 2022 Invited Editor: Special Issue "Therapy in Gastrointestinal Oncology"; *Cancers*

Journal Reviewer

01/2010 - current Reviewer, *Gastrointestinal Endoscopy*
 01/2016 - current Reviewer, *Endoscopy*
 05/2013 - current Reviewer, *ACG Case Report Journal*
 04/2016 - current Reviewer, *VideoGIE*
 06/2017 - current Reviewer, *BMC Gastroenterology*
 07/2017 - current Reviewer, *Endoscopy International Open*
 10/2018 - current Reviewer, *Diseases of the Esophagus*
 10/2019 - current Reviewer, *Cancers*
 2/2021 - current Reviewer, *Expert Review of Gastroenterology & Hepatology*
 2/2021 - current Reviewer, *Digestive Endoscopy*
 2/2021 - current Reviewer, *Therapeutic Advances in Gastrointestinal Endoscopy*

Advisory Committees, Review Groups, Study Sections

1/2017 Reviewer for diversity awards of American Society of Gastrointestinal Endoscopy. Annual meeting of ASGE at DDW 2017
 1/2018 Reviewer for diversity awards of American Society of Gastrointestinal Endoscopy. Annual meeting of ASGE at DDW 2018

6/2018	Reviewer. Scientific Session “Gastric diseases” for ACG annual conference of American College of Gastroenterology 2018.
2018-2019	Committee. Program planning “DDW Diversity Symposium”. American Society of Gastrointestinal Endoscopy at DDW. 2019
2018-2019	Committee member of the Small Bowel, Practice Management, & Miscellaneous planning group. American College of Gastroenterology. 2019.
1/2019	Reviewer for diversity awards of American Society of Gastrointestinal Endoscopy. Annual meeting of ASGE at DDW 2019
6/2019	Reviewer. Scientific Session “Clinical Vignettes/Case Reports” for annual conference of American College of Gastroenterology 2019.
6/2020	Chair. Abstract Selection Committee, Clinical Vignette section, American College of Gastroenterology, Annual Scientific Meeting. Nashville, Tennessee
6/2021	Chair. Abstract Selection Committee, Stomach section. American College of Gastroenterology, Annual Scientific Meeting. Las Vegas, Nevada

Professional Societies

01/2005 - current	Member, Thai Medical Council
07/2009 - current	Member, American College of Gastroenterology
07/2011 - current	Member, American Gastroenterological Association
07/2011 - current	Member, American Society for Gastrointestinal Endoscopy
07/2016 – 01/2018	Member, European Society for Gastrointestinal Endoscopy

National Organizations

2016 - current	Member, “Membership and Diversity Committee” for American Society for Gastrointestinal Endoscopy
2018 - current	Member, “Educational Affairs Committee” for American College of Gastroenterology
2019 - 2021	Vice chair, “Women in Endoscopy” SIG for American Society for Gastrointestinal Endoscopy
2020 - current	Member, “American Journal of Gastroenterology Continuing Medical Education / American Board of Internal Medicine MOC questions” for American College of Gastroenterology
2021 - current	Fellow, American Society of Gastrointestinal Endoscopy.
2021 - current	Fellow, Japan Gastroenterological Endoscopy Society (JGES) <i>The designation of Fellow is offered to an individual who has made significant contributions to JGES and/or to the field of endoscopy.</i>

Conference Organizer, Session Chair

JHMI/Regional

11/2017	Chair, session: 43rd Annual Topics in Gastroenterology and Hepato-biliary Update. Annual meeting. Johns Hopkins University. Baltimore. MD
3/2018	Co-Chair, session, Fourth Annual Update on Advances in Endoscopy, Gastroenterology and Hepatology, Tysons Corner, VA

National

5/2017	Co-Chair, session: Gastric cancer in the West Digestive Disease Week, Chicago. American Society for Gastrointestinal Endoscopy
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6/2018	Co-Chair, session: Upper GI Neoplasia: Surveillance and Management for the Practicing Endoscopists Digestive Disease Week, Washington DC.
10/2018	Co-Chair, session: Functional GI / Stomach American College of Gastroenterology Annual Scientific Meeting, Philadelphia
10/2018	Invited faculty for Poster Rounds with the Experts. Topic: Interventional Endoscopy. American College of Gastroenterology Annual Scientific Meeting, Philadelphia
4/2019	Course Director. Endoscopy course for advanced GI fellows. Baltimore. MD
10/2019	Invited faculty for Poster Rounds with the Experts. Topic: Interventional Endoscopy. American College of Gastroenterology Annual Scientific Meeting, San Antonio
11/2019	Organizer Committee for Gastroenterology Women's Coalition Symposium of AGA/ASGE/AASLE at DDW 2020 in Chicago, IL.
5/2020	Chair, session: Advances in Endoscopic Submucosal Dissection. American Society for Gastrointestinal Endoscopy at Digestive Disease Week, Chicago. IL (<i>cancelled due to COVID-19 pandemic</i>)
5/2020	Course Director for the 2020 ESD hands-on course of American Society for Gastrointestinal Endoscopy at Digestive Disease Week, Chicago. IL (<i>cancelled due to COVID-19 pandemic</i>)
6/2021	Chair, session: Fellows Networking Session: Becoming a Future Leader. The Best of ASGE Endoscopy at Digestive Disease Week (Virtual meeting).
10/2021	Faculty, Judge. 9th Annual Endoscopy Video Forum. The American College of Gastroenterology 2021 Annual Scientific Meeting. Las Vegas, Nevada
International	
11/2017	Course Co-Director. Advanced endoscopy: new techniques and innovations. Arequipa. Peru

Consultantships

3/2019 - Present	Boston Scientific. Provide opinion on endoscopic related questions, such as devices for endoscopic submucosal dissection and submucosal injection
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RECOGNITION

Awards, Honors

03/2000	Scholarship, [highest comprehensive score in human growth and development] Faculty of Medicine, Chulalongkorn University, Thailand
03/2000	Scholarship, [highest the first score in Anatomy] Faculty of Medicine, Chulalongkorn University, Thailand
03/2000	Scholarship, [highest comprehensive score in Biochemistry] Faculty of Medicine, Chulalongkorn University, Thailand
03/2001	Associate Professor Varunee Wongwichein Scholarship, [Highest comprehensive score in Parasitology] Faculty of Medicine, Chulalongkorn University, Thailand
03/2001	Prasarn Boornasiri scholarship, [MSIII, highest overall score] Faculty of Medicine, Chulalongkorn University, Thailand
03/2002	Scholarship, [Highest comprehensive score in Forensic medicine] Faculty of Medicine, Chulalongkorn University, Thailand
03/2003	Scholarship, [Highest comprehensive score in Surgery] Faculty of Medicine, Chulalongkorn University, Thailand
03/2004	Award for the excellent performance (externship in Pediatrics) Faculty of Medicine, Chulalongkorn University, Thailand

05/2009 Best Intern Resident Award of Academic Year 2008-2009
Dept. of Internal Medicine, Texas Tech University Health Sciences Center,
School of Medicine, Lubbock, TX.

05/2010 American Gastroenterology Association, Poster of Distinction
Digestive Diseases Week. New Orleans, LA

05/2011 Winner of Research Competition
American Federation for Medical Research Regional Meeting
Dept. of Internal Medicine, Texas Tech University Health Sciences Center,
School of Medicine, Lubbock, TX

06/2011 Best Senior Resident Award of Academic Year 2010-2011
Dept. of Internal Medicine, Texas Tech University Health Sciences Center,
School of Medicine, Lubbock, TX

03/2013 Distinguished Achievement Award
23rd annual North American Conference of Gastroenterology Fellows (NACGF) of the
American Gastroenterological Association (AGA), Orlando, FL

05/2014 American Gastroenterology Association, Poster of Distinction
Digestive Diseases Week. Chicago, IL

10/2015 Travel Bursary, UEG Week 2015
United European Gastroenterology. Barcelona, Spain

12/2015 Winner of 2015 World Endoscopy Organization (WEO) Research Awards
Asian Pacific Digestive Week. Taipei, Taiwan

05/2016 2016 ASGE Cook Medical Don Wilson Award
American Society of Gastrointestinal Endoscopy
To receive training in advanced endoscopic resection and endoscopic submucosal
dissection at National Cancer Center, Tokyo, Japan; June – August 2016.

05/2016 AGA-GRG Fellow Abstract Award
Digestive Diseases Week. San Diego, CA

05/2016 American Society of Gastrointestinal Endoscopy (ASGE), Poster of Distinction
Digestive Diseases Week. San Diego, CA

2016 - 2017 Leadership Education and Development (LEAD) Program. American Society for
Gastrointestinal Endoscopy (ASGE)

05/2017 *Gastrointestinal endoscopy* (GIE) Top reviewer Award [Category: Clinical reviewer]
American Society of Gastrointestinal Endoscopy (ASGE)
Digestive Diseases Week. Chicago, CA

05/2019 *Gastrointestinal endoscopy* (GIE) Top reviewer Award [Category: Editorial board
reviewer]
American Society of Gastrointestinal Endoscopy (ASGE)
Digestive Diseases Week. San Diego, CA.

2019 Emerging Women's Leadership Program. Office of Women in Science and Medicine.
The Johns Hopkins University School of Medicine, Baltimore, MD

4/2020 Best reviewer award 2019. *Endoscopy* Journal. The official journal of European Society of
Gastrointestinal Endoscopy (ESGE).
ESGE Days 2020. Dublin. Ireland.

5/2020 *Gastrointestinal endoscopy* (GIE) Top reviewer Award [Category: Editorial board
reviewer]
American Society of Gastrointestinal Endoscopy (ASGE)
Digestive Diseases Week.

6/2020 2020 Faculty Teaching Award in the Gastroenterology division. The Johns Hopkins School
of Medicine. This is the single award where the fellows choose the best teacher from
among the faculty.

1/2021 Elected as a Fellow of the American Society of Gastrointestinal Endoscopy (ASGE).
Fellowship is based on evidence of significant contribution to endoscopy.

6/2021 Elected as an international Fellow of the Japanese Society for Gastrointestinal Endoscopy (JSGE).

Invited Talks and Visiting Professorships (* are also CME accredited talks)

JHMI

11/2016 Speaker, "Endoscopic resection for large colorectal lesions". Hopkins Annual Topics Course in Gastroenterology/Hepatology. Baltimore, MD*

11/2016 Speaker, GI Grand round: Colonoscopic polypectomy. Johns Hopkins University School of Medicine*

11/2017 Speaker, "Gastric Metaplasia and Early Gastric Cancer: Where Are We in 2017". Hopkins Annual Topics Course in Gastroenterology/Hepatology. Baltimore, MD*

1/2018 Speaker, "Management of gastric intestinal metaplasia and screening for gastric cancer in 2018". Lecturer. 35th Annual Medical and Surgical Gastroenterology: A Multidisciplinary Approach. Vail. Colorado.*

1/2018 Speaker, "Endoscopic perforation". Lecturer. 35th Annual Medical and Surgical Gastroenterology: A Multidisciplinary Approach. Vail. Colorado.*

1/2018 Speaker, "Endoscopic resection for large colorectal lesions". Lecturer, Course Faculty. 35th Annual Medical and Surgical Gastroenterology: A Multidisciplinary Approach. Vail. Colorado.*

1/26/2018 Speaker, "EMR, ESD or surgery for difficult colorectal lesions". Colorectal surgery conference. Johns Hopkins University School of Medicine

3/21/2018 Grand round, "ESD for colorectal lesion". Sibley Memorial hospital. Washington, DC

3/2018 Speaker, "Large Colorectal Polyps". Lecturer. 18th Annual Gastroenterology and Hepatology Viva la Vida. Johns Hopkins University School of Medicine. Cancun, Mexico*

3/2018 Speaker, "Maria Waves is 72 Year Old Senator with Falling Hematocrit and Negative Endoscopy". Lecturer. 18th Annual Gastroenterology and Hepatology Viva la Vida. Johns Hopkins University School of Medicine. Cancun, Mexico*

9/2018 Speaker, Difficult colon polyps: EMR, ESD or FTR. Lecturer. Hopkins Annual Topics Course in Gastroenterology/Hepatology*

9/2018 Speaker, Endoscopic perforation. Lecturer. Hopkins Annual Topics Course in Gastroenterology/Hepatology*

9/2018 Speaker, Minimally invasive management of rectal lesions. Lecturer. Hopkins Annual Topics Course in Gastroenterology/Hepatology

4/2019 Invited faculty. Lecture: Transitioning from fellow to faculty. Advanced GI fellow course. Baltimore. MD

4/2019 Invited faculty. Lecture: ESD: Clinical cases. Advanced GI fellow course, Baltimore, MD

10/2019 Speaker, Endoscopic Management for Barrett's Neoplasia. Lecturer. Hopkins Annual Topics Course in Gastroenterology/Hepatology*

10/2019 Speaker, Endoscopic Management for Approach to Subepithelial Lesions in Upper GI Tract. Hopkins Annual Topics Course in Gastroenterology/Hepatology*

11/2019 Speaker, Ask the experts: Retreat for Patients Living with Metastatic Colorectal Cancer. Marriottsville, MD

3/2020 Speaker, "Should we ignore Gastric Intestinal Metaplasia?". Lecturer. 20th Annual Gastroenterology and Hepatology Viva la Vida. Johns Hopkins University School of Medicine. San Juan, PR*

3/2020 Speaker, "Acute Lower GI Bleeding: Is Early Colonoscopy (<24 hours) Indicated?". Lecturer. 20th Annual Gastroenterology and Hepatology Viva la Vida. Johns Hopkins University School of Medicine. San Juan, PR*

10/2020 Speaker. "Rectal ESD". Best of HITEC. Fourth Hopkins International Therapeutic Endoscopy Course, Baltimore, MD

11/2021 Speaker. "Management of gastric intestinal metaplasia and early gastric cancer" Annual Current Topics in Gastrointestinal & Liver Pathology. Baltimore, MD

Regional: not applicable

National:

1/13/2018 Faculty, Second year GI fellow course. Endoscopic resection. American College of Gastroenterology. Washington, DC

5/2019 Invited faculty. Hands-On Course on ESD at American College of Gastroenterology (ACG) Eastern Regional Postgraduate Course. Washington, DC

5/2019 Invited faculty. Lecture: Gastric ESD: Indications and technique. Digestive Disease Week. American Society for Gastrointestinal Endoscopy. San Diego, CA*

5/2019 Invited faculty. American Society for Gastrointestinal Endoscopy Hands-On Course on ESD. Digestive Disease Week. San Diego, CA

8/2019 Speaker. American Society for Gastrointestinal Endoscopy First year fellow course. Lecture: Feeding tube. At ASGE IT&T. Chicago, IL

8/2019 Invited faculty. American Society for Gastrointestinal Endoscopy First year fellow course Hands-On Endoscopy at ASGE IT&T. Chicago, IL

1/2020 Speaker. Endoscopic Evaluation of GI Bumps and Lumps. American College of Gastroenterology (ACG) Board of Governors / American Society for Gastrointestinal Endoscopy (ASGE) Best Practices Course in Las Vegas, NV*

2/2020 Visiting Professor. Medical Grand Rounds. Lecture: Endoscopic Management of Upper GI subepithelial lesions. Saint Peter's University Hospital. New Brunswick, NJ*

2/2020 Visiting Faculty and Speaker. Lecture: Management of difficult colorectal lesions. Saint Peter's University Hospital. New Brunswick, NJ

3/2020 Visiting Faculty and Speaker. Lecture: Endoscopic management of Difficult Colorectal lesions. Memorial Sloan Kettering Cancer Center, NY (*cancelled due to COVID-19 pandemic*)

5/2020 Visiting Faculty and Speaker. Lecture: Gastric neoplasia: Early detection and endoscopic management. Medical Grand Rounds. Geisinger Medical Center. Danville, PA (*cancelled due to COVID-19 pandemic*)

5/2020 Speaker. Lecture: The Disrupted Pancreatic Duct: Bridge The Gap. Digestive Disease Week. American Society for Gastrointestinal Endoscopy. Chicago, IL (*cancelled due to COVID-19 pandemic*)*

5/2020 Speaker. Lecture: Perforation - Let The Surgeon Sleep. Digestive Disease Week. American Society for Gastrointestinal Endoscopy. Chicago, IL (*cancelled due to COVID-19 pandemic*)*

5/2021 Invited faculty. Lecture: American College of Gastroenterology (ACG) virtual Functional GI Disorders School and/or the Eastern Regional Postgraduate Course programs*

10/2021 Speaker. Lecture: Polyps and Nodules of the Stomach: When to Survey, Resect, or Refer for EUS. Annual Scientific Meeting. The American College of Gastroenterology (ACG). Las Vegas, Nevada*

10/2021 Speaker. Lecture: Gastric cancer: who and how to screen. Postgraduate Course. American Society for Gastrointestinal Endoscopy (ASGE)/ American College of Gastroenterology (ACG). Las Vegas, Nevada*

International

11/2016 Invited faculty. Lecture: Endoscopic management of colorectal polyps Universidao Ricardo Palma. Lima, Peru

11/2017 Speaker, "Introduction to Endosonography". Advanced endoscopy: new techniques and innovations. Arequipa, Peru

- 11/2017 Speaker, "Management of gastric submucosal lesions". Advanced endoscopy: new techniques and innovations. Arequipa, Peru
- 11/2017 Speaker, "Colonoscopic polypectomy". Advanced endoscopy: new techniques and innovations. Arequipa, Peru
- 11/2017 Speaker, "Endoscopic resection techniques". Advanced endoscopy: new techniques and innovations. Arequipa, Peru
- 11/2017 Speaker, "Gastric cancer detection and management: Advanced endoscopy: new techniques and innovations. Arequipa, Peru
- 6/2018 Speaker, "Endoscopic management of early gastric adenocarcinoma and preinvasive gastric lesions"
Universidao Ricardo Palma. Lima, Peru.
- 11/2018 Visiting professor, "Endoscopic management of difficult colorectal polyps". West China Medical Center of Sichuan University. Chengdu, Sichuan, China
- 11/2018 Speaker, "Difficult colon polyp: EMR, ESD or EFTR"
Annual Scientific Meeting: Early diagnosis and management of GI neoplasia Chengdu, Sichuan, China
- 11/2018 Speaker, "Endoscopic perforation"
Annual Scientific Meeting: Early diagnosis and management of GI neoplasia Chengdu, Sichuan, China
- 11/2019 Speaker, "Management of Pancreatic Fluid Collection"
11th Thailand Local Asian EUS group Workshop 2019. Nong Khai, Thailand
- 5/2020 Invited faculty. 3rd South Pacific International Congress of Gastroenterology And Endoscopy & The 9th Live Endoscopy Course, the Latin American Training Center of the World Endoscopy Organization (WEO). Guayaquil, Ecuador (*cancelled due to COVID-19 pandemic*)
- 4/2021 Speaker, "Diagnosis and Endoscopic Management for Subepithelial Lesions in GI Tract."
International Conference of Gastroenterology. Chengdu, Sichuan, China