

ROBERT H. HAWES, M.D.

HOSPITAL & FACULTY APPOINTMENTS

Hospital Appointments

2021-present	Attending Physician	Orlando Health - Orlando
2012-2020	Attending Physician	AdventHealth – Orlando
1994-2011	Attending Physician	Ralph H. Johnson VA Medical Center
1994-2011	Attending Physician	Charleston Memorial Hospital
1994-2011	Attending Physician	Medical University of South Carolina
1985-1994	Attending Physician	Richard Roudebush VA Hospital
1985-1994	Attending Physician	Wishard Memorial Hospital
1985-1994	Attending Physician	Indiana University Hospital

Faculty Appointments

2012-Present	Professor – Internal Medicine	University of Central Florida College of Medicine
1995-2011	Adjunct Professor - Bioengineering	Clemson University
1994-2011	Professor – Internal Medicine	Medical University of South Carolina
1994	Professor – Internal Medicine	Indiana University School of Medicine
1989-1994	Associate Professor – Internal Medicine	Indiana University School of Medicine
1985-1989	Assistant Professor – Internal Medicine	Indiana University School of Medicine

EDUCATION

1976-1980	M.D.	Indiana University School of Medicine
1972-1976	A.B., Chemistry	Indiana University School of Medicine

GRADUATE MEDICAL EDUCATION

1984-1985	Resident / Medicine	Indiana University School of Medicine
1982-1984	GI Fellowship / Medicine	Indiana University School of Medicine
1981-1982	Resident / Medicine	Indiana University School of Medicine
1980-1981	Intern / Medicine	Indiana University School of Medicine

SPECIALTY CERTIFICATIONS

November 1987	American Board of Internal Medicine - Gastroenterology (#103604)
September 1985	American Board of Internal Medicine (#103604)

MEDICAL LICENSURES

State of South Carolina (#17283)	<i>Inactive</i>
State of Florida #ME (110812)	<i>Active</i>

PROFESSIONAL MEMBERSHIPS / AFFILIATIONS

American Gastroenterological Association

American College of Gastroenterology – Fellow
American Federation for Clinical Research
Society of American Gastrointestinal Endoscopy Surgeons
European Society of Gastrointestinal Endoscopy
Japanese Gastroenterological Endoscopy Society - Fellow
American Society for Gastrointestinal Endoscopy - Master

- Co-Chair, Natural Orifice Surgery Consortium for Assessment and Research, 2006 - 2013
- Fellow of the ASGE (FASGE), *May 2006-Present*
- Member, Nominations Committee, *May 2006-May 2007*
- Member, Awards Committee, *May 2006-May 2007*
- **President, *May 2005-May 2006***
- President-Elect, *May 2004-May 2005*
- Member, Publications Committee
- Chairman, EUS Committee
- Governing Board, *1996-2000, 2006-2008*
- Member, Committee on Training
- Member, Ad Hoc Committee on Minority and Women's Issues
- Chairman, Membership Committee, *1993-1996*
- Director, Postgraduate Course, *1994*
- Chairman, Membership Committee, *1993 to 1996*

PROFESSIONAL ACTIVITIES

2004-2010	Scientific Board	IRCAD/EITS
2002-2013	Scientific Advisory Board	BaroSense, Inc.
2003-2007	Scientific Advisory Board	Alveolus, Inc.
1998-2001	Panel: Urological & Gastrointestinal Devices	FDA

ADDITIONAL EXPERIENCE – EDITORIAL POSITIONS

2006-Present	<u>Techniques in Gastrointestinal Endoscopy</u>	Editorial Board
2006-Present	<u>Surgical Endoscopy</u>	Manuscript Reviewer
1991-Present	<u>The American Journal of Gastroenterology</u>	Manuscript Reviewer
1991-Present	<u>Surgical Innovations</u>	Editorial Board
1989-Present	<u>Gastrointestinal Endoscopy</u>	Manuscript Reviewer
2000-2008	<u>Reviews in Gastrointestinal Disorders</u>	Editorial Board

HONORS / AWARDS

2018	James L. Borland, Sr. Memorial Award from the Florida Gastroenterologic Society (FGS)
2017	Master Endoscopy Award from the German Society of Gastroenterology
2015	ASGE Rudolf Schindler Award
2013	ASGE Master Endoscopist Award
2006-2012	Peter Cotton, MD Endowed Chair for Endoscopic Innovation
2006	Otis R. Bowen, MD Distinguished Leadership Award – Indiana University
2002	ASGE Distinguished Educator Award
1976	Phi Beta Kappa, Indiana University

ACADEMIC COMMITTEE ACTIVITIES

Medical University of South Carolina Institutional Review Board

- **Committee Member**, 1997 to 2011
- **Vice-Chair**, 2000 to 2011

PEER REVIEWED MANUSCRIPT PUBLICATIONS

- 1 Bang JY, Roesch T, Kim HM, Thakkar S, Robalino Gonzaga E, Tharian B, Inamdar S, Lee LS, Yachimski P, Jamidar P, Muniraj T, DiMaio C, Kumta N, Sethi A, Draganov P, Yang D, Seoud T, Perisetti A, Bondi G, Kirtane S, **Hawes R**, Wilcox CM, Kozarek R, Reddy DN, Varadarajulu S. Prospective evaluation of an assessment tool for technical performance of duodenoscopes. *Dig Endosc* 2021;33(5):822-828
- 2 Bang JY, Ward TJ, Guirguis S, Krall K, Contreras F, Jhala N, Navaneethan U, **Hawes RH**, Varadarajulu S. *Gut* 2021 Mar [Online ahead or print]
- 3 Bang JY, **Hawes R**, Varadarajulu S. Response to the letter to the editor. *Gut* 2021 [Online ahead of print]
- 4 Bang JY, Wilcox CM, **Hawes R**, Varadarajulu S. Outcomes of a structured, stepwise approach to endoscopic necrosectomy. *J Clin Gastroenterol* 2021;55(7):631-63
- 5 Bang JY, **Hawes R**, Varadarajulu S. Equivalent performance of single-use and reusable duodenoscope was in a randomized trial. *Gut* 2021;70(5):838-84
- 6 Bang JY, Navaneethan U, Hasan M, Sutton B, **Hawes R**, Varadarajulu S. Optimizing outcomes of single-operator cholangioscopy-guided biopsies based on a randomized trial. *Clin Gastroenterol Hepatol* 2020;18(2):441-448
- 7 Bang JY, Hough M, **Hawes RH**, Varadarajulu S. Use of artificial intelligence to reduce radiation exposure at fluoroscopy-guided endoscopic procedures. *Am J Gastroenterol* 2020;115(4):555-561
- 8 Ji Young Bang, **Robert H Hawes** and Shyam Varadarajulu. Lumen-apposing metal stent placement for drainage of pancreatic fluid collections: Predictors of adverse events. *Gut* 2020;69(8):1379-1381
- 9 Ji Young Bang, **Robert Hawes** and Shyam Varadarajulu. Clinical, financial and academic implications of COVID-19 on a tertiary care interventional endoscopy programme. *Gut* 2020 Dec 14
- 10 Bang JY¹, Navaneethan U¹, Hasan M¹, Sutton B¹, **Hawes R**¹, Varadarajulu S². Optimizing Outcomes of Single-Operator Cholangioscopy-Guided Biopsies Based on a Randomized Trial. *Clin Gastroenterol Hepatol*. 2020 Feb;18(2):441-448.
- 11 Bang JY, **Hawes RH**, Varadarajulu S. Lumen-apposing metal stent placement for drainage of pancreatic fluid collections: predictors of adverse events. *Gut*. 2020;69(8):1379-81
- 12 Inoue H, Shiwaku H, Kobayashi Y, Chiu PWY, **Hawes RH**, Neuhaus H, Costamagna G, Stavropoulos SN, Fukami N, Seewald S, Onimaru M, Minami H, Tanaka S, Shimamura Y, Santi EG, Grimes K, Tajiri H. Statement for gastroesophageal reflux disease after peroral endoscopic myotomy from an international multicenter experience. *Esophagus* 2020;17(1):3-10 Review
- 13 Bang JY¹, Sutton B¹, Navaneethan U¹, **Hawes R**¹, Varadarajulu S². Efficacy of Single-Operator Cholangioscopy-guided Lithotripsy Compared With Large Balloon Sphincteroplasty in Management of Difficult Bile Duct Stones in a Randomized Trial. *Clin Gastroenterol Hepatol*. 2020;18(10):2349-2365
- 14 Bang JY, Navaneethan U, Hasan MK, Sutton B, **Hawes R**, Varadarajulu S. Non-superiority of lumen opposing metal stents over plastic stents for drainage of walled-off necrosis in a randomized trial. *Gut* 2019;68(7):1200-1209
- 15 Spiceland CM¹, Elmunzer BJ¹, Paros S², Roof L², McVey M¹, **Hawes R**³, Hoffman BJ¹, Elias PS¹. Salvage cryotherapy in patients undergoing endoscopic eradication therapy for complicated Barrett's esophagus. *Endosc Int Open*. 2019;7(7):E904-E911.
- 16 Vivian E¹, Cler L¹, Conwell D², Coté GA³, Dickerman R¹, Freeman M⁴, Gardner TB⁵, **Hawes RH**⁶, Kedia P¹, Krishnamoorthi R⁷, Oduor H¹, Pandol SJ⁸, Papachristou GI⁹, Ross A⁷, Sethi A¹⁰, Varadarajulu S¹¹, Vege SS¹², Wassef W¹³, Wilcox CM¹⁴, Whitcomb DC⁹, Wu BU¹⁵, Yadav D⁹, Ellison A¹, Habash S¹⁶, Rastegari S¹⁶, Reddy R¹, Yen T¹, Brooks MR¹, Tarnasky P¹. Acute Pancreatitis Task Force on Quality: Development of Quality Indicators for Acute Pancreatitis Management. *Am J Gastroenterol*. 2019;114(8):1322-1342
- 17 Smith MS¹, Cash B², Konda V³, Trindade AJ⁴, Gordon S⁵, DeMeester S⁶, Joshi V⁷, Diehl D⁸, Ganguly E⁹, Mashimo H¹⁰, Singh S¹⁰, Jobe B¹¹, McKinley M^{4,12}, Wallace M¹³, Komatsu Y¹¹, Thakkar S¹¹, Schnoll-Sussman F¹⁴, Sharaiha R¹⁴, Kahaleh M¹⁵, Tarnasky P¹⁶, Wolfsen H¹³, **Hawes R**¹⁷, Lipham J¹⁸, Khara H⁸,

- Pleskow D¹⁹, Navaneethan U¹⁷, Kedia P¹⁶, Hasan M¹⁷, Sethi A²⁰, Samarasena J²¹, Siddiqui UD²², Gress F²⁰, Rodriguez R²³, Lee C⁴, Gonda T²⁰, Waxman I²², Hyder S⁵, Ponerros J²⁰, Sharzehi K²⁴, Di Palma JA², Sejpal DV⁴, Oh D¹⁸, Hagen J¹⁸, Rothstein R⁵, Sawhney M¹⁹, Berzin T¹⁹, Malik Z²⁴, Chang K²¹. Volumetric laser endomicroscopy and its application to Barrett's esophagus: results from a 1,000 patient registry. *Dis Esophagus*. 2019;32(9):
- 18 Bang JY, Sutton B, **Hawes R**, Varadarajulu S. Concept of disposable duodenoscope: at what cost? *Gut* 2019;68(11):1915-1917
 - 19 Kim EY¹, **Hawes RH**². Endoscopic Ultrasound-Guided Drainage of Peripancreatic Fluid Collections. *Clin Endosc*. 2019;52(4):299-300.
 - 20 Hasan MK¹, Kadkhodayan K¹, Idrisov E², Ali S², Rafiq E³, Ben-Ami Shor D^{1,4}, Abdel-Jalil A¹, Navaneethan U¹, Bang J¹, Varadarajulu S¹, **Hawes R**¹, **Pernicone P**⁵. Endoscopic ultrasound-guided liver biopsy using a 22-G fine needle biopsy needle: a prospective study. *Endoscopy*. 2019 Sep;51(9):818-824
 - 21 Bang JY, Kirtane S, Krall K, Navaneethan U, Hasan M, **Hawes R**, Varadarajulu. In memoriam: fine-needle aspiration, birth: fine-needle biopsy: the changing trend in endoscopic ultrasound-guided tissue acquisition. *Dig Endosc* 2019;31(2):197-202
 - 22 **Spiceland CM**¹, **Elmunzer BJ**¹, **Paros S**², **Roof L**², **McVey M**¹, **Hawes R**³, **Hoffman BJ**¹, **Elias PS**¹. Salvage cryotherapy in patients undergoing endoscopic eradication therapy for complicated Barrett's esophagus. *Endosc Int Open*. 2019 Jul;7(7):E904-E911
 - 23 Vivian E¹, Cler L¹, Conwell D², Coté GA³, Dickerman R¹, Freeman M⁴, Gardner TB⁵, **Hawes RH**⁶, Kedia P¹, Krishnamoorthi R⁷, Oduor H¹, Pandol SJ⁸, Papachristou GI⁹, Ross A⁷, Sethi A¹⁰, Varadarajulu S¹¹, Vege SS¹², Wassef W¹³, Wilcox CM¹⁴, Whitcomb DC⁹, Wu BU¹⁵, Yadav D⁹, Ellison A¹, Habash S¹⁶, Rastegari S¹⁶, Reddy R¹, Yen T¹, Brooks MR¹, Tarnasky P¹. Acute Pancreatitis Task Force on Quality: Development of Quality Indicators for Acute Pancreatitis Management. *Am J Gastroenterol*. 2019 Aug;114(8):1322-1342.
 - 24 Bang JY¹, Arnoletti JP², Holt BA¹, Sutton B¹, Hasan MK¹, Navaneethan U¹, Feranec N³, Wilcox CM⁴, Tharian B¹, **Hawes RH**¹, Varadarajulu S⁵. An Endoscopic Transluminal Approach, Compared With Minimally Invasive Surgery, Reduces Complications and Costs for Patients With Necrotizing Pancreatitis. *Gastroenterology*. 2019 Mar;156(4):1027-1040.
 - 25 Ali S¹, **Hawes RH**², Kadkhodayan K², Rafiq E², Navaneethan U², Bang JY², Varadarajulu S², Hasan MK². Utility of rapid onsite evaluation of touch imprint cytology from endoscopic and cholangioscopic forceps biopsy sampling (with video). *Gastrointest Endosc*. 2019 Feb;89(2):340-344.
 - 26 Bang JY¹, Sutton B¹, **Hawes RH**¹, Varadarajulu S¹. EUS-guided celiac ganglion radiofrequency ablation versus celiac plexus neurolysis for palliation of pain in pancreatic cancer: a randomized controlled trial (with videos). *Gastrointest Endosc* 2019; 89(1): 58-66.
 - 27 Bang JY¹, Arnoletti JP², Holt BA¹, Sutton B¹, Hasan MK¹, Navaneethan U¹, Feranec N³, Wilcox CM⁴, Tharian B¹, **Hawes RH**¹, Varadarajulu S⁵. An Endoscopic Transluminal Approach, Compared to Minimally Invasive Surgery, Reduces Complications and Costs for Patients with Necrotizing Pancreatitis. *Gastroenterology*. 2018 Nov. [Epub ahead of print]
 - 28 Bang JY¹, Kirtane S¹, Krall K¹, Navaneethan U¹, Hasan M¹, **Hawes R**¹, Varadarajulu S¹. In memoriam: Fine-needle aspiration, birth: Fine-needle biopsy: The changing trend in endoscopic ultrasound-guided tissue acquisition. *Dig Endosc*. 2018 Sep. [Epub ahead of print]
 - 29 Ali S¹, **Hawes RH**², Kadkhodayan K², Rafiq E², Navaneethan U², Bang JY², Varadarajulu S², Hasan MK². Utility of rapid onsite evaluation of touch imprint cytology from endoscopic and cholangioscopic forceps biopsy sampling (with video). *Gastrointest Endosc*. 2018 Sep. [Epub ahead of print]
 - 30 Bang JY¹, Navaneethan U¹, Hasan MK¹, Sutton B¹, **Hawes R**¹, Varadarajulu S¹. Non-superiority of lumen-apposing metal stents over plastic stents for drainage of walled-off necrosis in a randomised trial. *Gut*. 2018 Jun. [Epub ahead of print]
 - 31 **Bang JY**, **Navaneethan U**, **Hasan M**, **Hawes R**, Varadarajulu S. Stent placement by EUS or ERCP for primary biliary decompression in pancreatic cancer: a randomized trial (with videos). *Gastrointest Endosc*. 2018 Mar 21. [Epub ahead of print]
 - 32 Bang JY¹, Navaneethan U¹, Hasan MK¹, **Hawes R**¹, Varadarajulu S². Endoscopic Ultrasound-guided Specimen Collection and Evaluation Techniques Affect Diagnostic Accuracy. *Clin* 2018 Mar. [Epub ahead of print]

- 33 Teoh AYW¹, Dhir V², Kida M³, Yasuda I⁴, Jin ZD⁵, Seo DW⁶, Almadi M⁷, Ang TL⁸, Hara K⁹, Hilmi I¹⁰, Itoi T¹¹, Lakhtakia S¹², Matsuda K¹³, Pausawasdi N¹⁴, Puri R¹⁵, Tang RS¹⁶, Wang HP¹⁷, Yang AM¹⁸, **Hawes R**¹⁹, Varadarajulu S¹⁹, Yasuda K²⁰, Ho LKY Consensus guidelines on the optimal management in interventional EUS procedures: Results from the Asian EUS group RAND/UCLA expert panel. *Gut* 2018 Feb 20. [Epub ahead of print]
- 34 Bang JY¹, Hebert-Magee S¹, Navaneethan U¹, Hasan MK¹, **Hawes R**¹, Varadarajulu S¹. Randomized trial comparing the Franseen and Fork-tip needles for EUS-guided fine-needle biopsy sampling of solid pancreatic mass lesions. *Gastrointest Endosc.* 2018 Jan 3. [Epub ahead of print]
- 35 How I cannulate the bile duct. **Hawes RH**¹, Devière J^{#1,2}. *Endoscopy* 2018 Jan;50(1):75-77. doi: 10.1055/s-0043-122072. Epub 2017 Nov 17.
- 36 How I cannulate the bile duct. **Hawes RH**¹, Devière J¹. *Gastrointest Endosc.* 2018 Jan;87(1):1-3. doi: 10.1016/j.gie.2017.09.008. Epub 2017 Nov 17.
- 37 Endoscopic sutured gastroplasty: procedure evolution from first-in-man cases through current technique. Kumar N¹, Abu Dayyeh BK², Lopez-Nava Breverie G³, Galvao Neto MP⁴, Sahdala NP⁵, Shaikh SN⁶, **Hawes RH**⁷, Gostout CJ², Goenka MK⁸, Orillac JR⁹, Alvarado A⁹, Jirapinyo P¹⁰, Zundel N¹¹, Thompson CC^{12,13}. *Surg Endosc.* 2017 Oct 26. doi: 10.1007/s00464-017-5869-2. [Epub ahead of print]
- 38 Endoscopic Evaluation and Management of Gastric Stromal Kadkhodayan K¹, Rafiq E¹, **Hawes RH**^{2,3}. *Tumors. Curr Treat Options Gastroenterol.* 2017 Dec;15(4): 691-700. doi: 10.1007/s11938-017-0160-0.
- 39 EUS-guided fine needle biopsy of pancreatic masses can yield true histology: results of a randomised trial. Bang JY¹, Hebert-Magee S¹, Navaneethan U¹, Hasan MK¹, **Hawes R**¹, Varadarajulu S¹. *Gut.* 2017 Oct 7. pii: gutjnl-2017-315154. doi: 10.1136/gutjnl-2017-315154. [Epub ahead of print]
- 40 Late Recurrence of Barrett's Esophagus After Complete Eradication of Intestinal Metaplasia is Rare: Final Report from Ablation in Intestinal Metaplasia Containing Dysplasia Trial. Cotton CC¹, Wolf WA¹, Overholt BF², Li N¹, Lightdale CJ³, Wolfsen HC⁴, Pasricha S¹, Wang KK⁵, Shaheen NJ⁶; AIM Dysplasia Trial Group. *Gastroenterology.* 2017 Sep;153(3):681-688.
- 41 Roy A¹, Kim M¹, **Hawes R**², Varadarajulu S². The clinical and cost implications of failed endoscopic hemostasis in gastroduodenal ulcer bleeding. *United European Gastroenterol J.* 2017 Apr;5(3):359-364. doi: 10.1177/2050640616663570. Epub 2016 Aug 2.
- 42 Feng Y^{1,2}, Navaneethan U¹, Zhu X¹, Varadarajulu S¹, Schwartz I^{1,3}, **Hawes R**¹, Hasan M¹, Yang A². Prophylactic rectal indomethacin may be ineffective for preventing post-endoscopic retrograde cholangiopancreatography pancreatitis in general patients: A meta-analysis. *Dig Endosc.* 2017 May; 29(3): 272-280. doi: 10.1111/den.12779. Epub 2017 Jan 3.
- 43 Bang JY¹, Hebert-Magee S¹, Hasan MK¹, Navaneethan U¹, **Hawes R**¹, Varadarajulu S¹. Endoscopic ultrasonography-guided biopsy using a Franseen needle design: Initial assessment. *Dig Endosc.* 2017 May; 29(3):338-346. doi: 10.1111/den.12769. Epub 2016 Dec 20.
- 44 Bang JY¹, Wilcox CM, Navaneethan U, Hasan MK, Peter S, Christein J, **Hawes R**, Varadarajulu S. Impact of Disconnected Pancreatic Duct Syndrome on the Endoscopic Management of Pancreatic Fluid Collections. *Ann Surg.* 2016 Nov 15. [Epub ahead of print]
- 45 Bang JY, Hasan M, Navaneethan U, **Hawes R**, Varadarajulu S. Lumen-apposing metal stents (LAMS) for pancreatic fluid collection (PFC) drainage: May not be business as usual. *Gut* 2016 Aug 31. [Epub ahead of print]
- 46 Navaneethan U, Hasan MK, Lourdasamy V, Zhu X, **Hawes RH**, Varadarajulu S. Efficacy and safety of endoscopic mucosal resection of non-ampullary duodenal polyps: a systematic review. *Endosc Int Open* 2016 Jun; 4(6): E699-708
- 47 Bang JY, Navaneethan U, Hasan MK, **Hawes RH**, Varadarajulu S. EUS correlates of disconnected pancreatic duct syndrome in walled-off pancreatic necrosis. *Endosc Int Open* 2016 Aug; 4(8): E883-9
- 48 Bang JY, Hasan MK, Navaneethan U, Sutton B, Frandah W, Siddique S, **Hawes RH**, Varadarajulu S. Lumen apposing metal stents (LAMS) for drainage of pancreatic fluid collections: When and for whom? *Dig Endosc.* 2016 May 20. [Epub ahead of print]
- 49 Bang JY¹, Hasan MK², Sutton B², Holt BA², Navaneethan U², **Hawes R**², Varadarajulu S³. Intra-procedural increase in heart rate during EUS-guided celiac plexus neurolysis: Clinically relevant or just a physiological change? *Gastrointest Endosc.* 2016 Apr 2. [Epub ahead of print]

- 50 Varadarajulu S¹, Bang JY², Hasan MK³, Navaneethan U³, **Hawes R**³, Hebert-Magee S³. Improving the diagnostic yield of single-operator cholangioscopy-guided biopsy of indeterminate biliary strictures: ROSE to the rescue? (with video). *Gastrointest Endosc.* 2016; 84(4): 681-7.
- 51 **Hawes RH**¹. Lessons Learned from Traditional NOTES: A Historical Perspective. *Gastrointest Endosc Clin N Am.* 2016;26(2):221-7.
- 52 Epstein M¹, Johnson DA², **Hawes R**³, Schmulewitz N⁴, Vanagunas AD⁵, Gossen ER⁶, Robieson WZ⁷, Eaton S⁸, Dubow J⁸, Chatamra K⁸, Benesh J⁸. Long-Term PEG-J Tube Safety in Patients with Advanced Parkinson's Disease. *Clin Transl Gastroenterol.* 2016 Mar 31; 7: e159. doi: 10.1038/ctg.2016.19.
- 53 Bang JY¹, Ramesh J², Hasan MK³, Navaneethan U³, Holt BA³, **Hawes R**³, Varadarajulu S³. EUS in obstructive esophageal cancer. *Dig Endosc.* 2016;28(6):650-6.
- 54 Navaneethan U¹, Hasan MK², Kommaraju K², Zhu X², Herbert-Magee S², **Hawes RH**², Vargo JJ³, Varadarajulu S², Parsi MA³. Digital single-operator cholangiopancreatography (soc) in the diagnosis and management of pancreatobiliary disorders: a multicenter clinical experience (with video). *Gastrointest Endosc.* 2016; 84(4): 649-55
- 55 Frandah W¹, Siddiqui S¹, Navaneethan U¹, Chaar A¹, **Hawes RH**¹, Varadarajulu S¹, Hasan MK¹. Unusual cause of hemobilia. *Gastrointest Endosc.* 2016; 84(1):182
- 56 Hasan M¹, Canipe A¹, Tharian B¹, Navaneethan U¹, Varadarajulu S¹, **Hawes R**¹. Digital cholangioscopy-directed removal of a surgical staple from a strictured bile duct. *Gastrointest Endosc.* 2015 Nov;82(5):958
- 57 Bang JY¹, **Hawes R**², Varadarajulu S². A meta-analysis comparing ProCore and standard fine-needle aspiration needles for endoscopic ultrasound-guided tissue acquisition. *Endoscopy.* 2015 Nov 12. [Epub ahead of print]
- 58 Roy A, Kim M, **Hawes R**, Varadarajulu S. Changing trends in tissue acquisition in malignant pancreatic neoplasms. *J Gastroenterol Hepatol.* 2016 Feb;31(2):501-5.
- 59 Tharian B¹, Varadarajulu S¹, **Hawes R**¹. Drainage of obstructed gallbladder with use of lumen-apposing metal stent. *Gastrointest Endosc.* 2016 Feb; 83(2): 460-1.
- 60 Holt BA, **Hawes R**, Hasan M, Canipe A, Tharian B, Navaneethan U, Varadarajulu S. Biliary drainage: role of EUS guidance. *Gastrointest Endosc.* 2016 Jan; 83(1): 160-5.
- 61 Tharian B¹, Canipe A¹, Navaneethan U¹, Varadarajulu S¹, **Hawes R**¹, Hasan M¹. Successful removal of a foreign body from a gallbladder remnant by using a new single-operator digital cholangioscope. *Gastrointest Endosc.* 2015 Dec; 82(6): 1125.
- 62 Yaghoobi M¹, Pauls Q², Durkalski V², Romagnuolo J², Fogel EL³, Tarnasky PR⁴, Aliperti G⁵, Freeman ML⁶, Kozarek RA⁷, Jamidar PA⁸, Wilcox CM⁹, Elta GH¹⁰, **Hawes RH**¹¹, Wood-Williams A¹, Cotton PB². Incidence and predictors of post-ERCP pancreatitis in patients with suspected sphincter of Oddi dysfunction undergoing biliary or dual sphincterotomy: Results from the EPISOD prospective multicenter randomized sham-controlled study. *Endoscopy.* 2015 Oct;47(10):884-90.
- 63 Navaneethan U, Hasan MK, Lourdasamy V, Njei B, Varadarajulu S, **Hawes RH**. Single-operator cholangioscopy and targeted biopsies in the diagnosis of indeterminate biliary strictures: A systematic review. *Gastrointest Endosc.* 2015 Oct;82(4):608-14.
- 64 Bang JY¹, **Hawes RH**², Varadarajulu S². EUS-guided tissue acquisition: Things are not always what they seem. *Gastrointest Endosc.* 2015 May;81(5):1300-1.
- 65 Bang JY¹, **Hawes RH**, Varadarajulu S. Do fluoroscopy systems influence the level of scatter radiation exposure during endoscopic procedures? *Dig Endosc.* 2015 Apr 1. doi: 10.1111/den.12479. [Epub ahead of print]
- 66 Tharian B¹, Canipe AL¹, Krall K¹, **Hawes RH**², Hébert-Magee S¹. Ring around the ROSE: pancreatic acinar cell carcinoma diagnosed on site by EUS-FNA. *Gastrointest Endosc.* 2015 Apr; 81(4): 1049-50. doi: 10.1016/j.gie.2014.10.016.
- 67 Bang JY¹, Holt BA, **Hawes RH**, Hasan MK, Arnoletti JP, Christein JD, Wilcox CM, Varadarajulu S. Outcomes after implementing a tailored endoscopic step-up approach to walled-off necrosis in acute pancreatitis. *Br J Surg.* 2014 Dec;101(13):1729-38.

- 68 Varadarajulu S¹, Holt BA¹, Bang JY², Hasan MK¹, Logue A¹, Tamhane A³, **Hawes RH**¹, Hebert-Magee S⁴. Training endosonographers in cytopathology: improving the results of EUS-guided FNA. Gastrointest Endosc. 2015 Jan;81(1):104-10.
- 69 Varadarajulu S¹, Bang JY¹, Holt BA¹, Hasan MK¹, Logue A¹, **Hawes RH**¹, Hebert-Magee S². The 25-gauge EUS-FNA needle: Good for on-site but poor for off-site evaluation? Results of a randomized trial. Gastrointest Endosc. 2014 Dec;80(6):1056-63.
- 70 Bang JY¹, Wilcox CM, Trevino JM, Ramesh J, Hasan M, **Hawes RH**, Varadarajulu S. Relationship between stent characteristics and treatment outcomes in endoscopic transmural drainage of uncomplicated pancreatic pseudocysts. Surg Endosc. 2014 Oct; 28 (10): 2877-83.
- 71 Tang RS¹, Nageshwar Reddy D², Teoh AY³, Lam KL¹, **Hawes RH**⁴. In vivo diagnosis of clonorchiasis during cholangioscopy for workup of suspected cholangiocarcinoma (with video). Gastrointest Endosc. 2014 Aug; 80(2): 344; discussion 345.
- 72 Varadarajulu S¹, **Hawes RH**. Preface: EUS-guided tissue acquisition. Gastrointest Endosc Clin N Am. 2014 Jan; 24(1): xi-xii.
- 73 Varadarajulu S¹, **Hawes RH**. The changing paradigm in EUS-guided tissue acquisition. Gastrointest Endosc Clin N Am. 2014 Jan; 24(1): 1-7.
- 74 Varadarajulu S¹, **Hawes RH**. EUS-guided biliary drainage: taxing and not ready. Gastrointest Endosc. 2013 Nov;78(5): 742-3.
- 75 Bang JY, Wilcox CM, Trevino J, Ramesh J, Peter S, Hasan M, **Hawes RH**, Varadarajulu S. Factors impacting treatment outcomes in the endoscopic management of walled-off pancreatic necrosis. J Gastroenterol Hepatol. 2013 Nov; 28 (11): 1725-32.
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LECTURES & PRESENTATIONS (Last 3 years)

- 1 **EUS in pancreatic cancer: What's New?** 6th Annual Update on advances in endoscopy, gastroenterology and hepatology, Johns Hopkins Gastroenterology & Hepatology Program at Sibley Memorial Hospital, Ritz Carlton, Tyson's Corner, Virginia, March 7, 2020
- 2 **The future of gastrointestinal endoscopy.** 6th Annual Update on advances in endoscopy, gastroenterology and hepatology, Johns Hopkins Gastroenterology & Hepatology Program at Sibley Memorial Hospital, Ritz Carlton, Tyson's Corner, Virginia, March 7, 2020
- 3 **Biliary Endoscopy – Emerging Technologies.** 12th Annual Gastroenterology & Hepatology Symposium, University of California Irvine, Disney's Californian Hotel & Spa, Anaheim, CA. February 28-29, 2020
- 4 **Endoscopic complications – How to obviate or navigate litigation.** Update in Advances in Endoscopic Interventions, AdventHealth Center for Interventional Endoscopy, Hammock Beach Resort, Palm Coast, FL. February 22, 2020
- 5 **Difficult bile duct stones – A practical approach to one-step management.** Update in Advances in Endoscopic Interventions, AdventHealth Center for Interventional Endoscopy, Hammock Beach Resort, Palm Coast, FL. February 22, 2020
- 6 **Management of bile duct stones.** 22nd Dusseldorf International Endoscopy Symposium, Dusseldorf, Germany, February 6-8, 2020
- 7 **Introduction to advanced endoscopy.** Olympus GI fundamentals 1st Year Fellows Course, ASGE IT&T Center, Downers Grove, IL. January 10-11, 2020
- 8 **The future of pancreatobiliary endoscopy – slow iteration or a paradigm shift?** 2nd Annual Tokyo Metropolitan Live, Tokyo Medical University, Tokyo, Japan, October 25-26, 2019
- 9 **The history of EUS – what we can learn from the past to help improve the future.** 2nd Annual Tokyo Metropolitan Live, Tokyo Medical University, Tokyo, Japan, October 25-26, 2019
- 10 **Evolving landscape of colorectal endoluminal surgery.** 13th Annual Masters in MIS Forum, Boston, MA August 15-16, 2019
- 11 **Learning EUS, the station-based approach:** Teach the students, teach the teachers. EUS Live in Amsterdam 22nd Annual Course. Amsterdam University Medical Center, AMC Campus. Amsterdam, The Netherlands, June 6-7, 2019
- 12 **What the world expects to JGES?** The 97th Congress of the Japanese Gastroenterological Endoscopy Society (JGES). Grand Prince Hotel New Takanawa, International Convention Center Pampir. Tokyo, Japan, May 31-June 2, 2019
- 13 **History of EUS, current status and future.** The 97th Congress of the Japanese Gastroenterological Endoscopy Society (JGES). Grand Prince Hotel New Takanawa, International Convention Center Pampir. Tokyo, Japan, May 31-June 2, 2019
- 14 **Competency in polypectomy – Your future depends on it.** GI Grand Rounds. Thomas Jefferson University School of Medicine. Philadelphia, Pennsylvania, April 17, 2019
- 15 **Presented status of EUS, Education of EUS and Future direction in USA.** Asian EUS Congress 2019. Tokyo, Japan, April 12-14, 2019
- 16 **Multidisciplinary approach to the management of pancreatic necrosis.** Hopkins International Therapeutic Endoscopy Course 2019 (HITEC 2019). Johns Hopkins University School of Medicine. Baltimore, Maryland, April 3-5, 2019

- 17 **What is new in treating GI bleeding?** Update on Techniques and Tips in GI Endoscopy. West Palm Beach Marriott, West Palm Beach, Florida, March 16, 2019
- 18 **The future of endoscopy: disruption and innovation.** British Society of Gastroenterology Endoscopy Live. SAGE, Gateshead, UK, March 7-8, 2019
- 19 **Introduction to advanced endoscopy.** Olympus 1st Year Fellows Course – Advanced Fundamentals. CALMS Center, Tampa Florida, Jan. 11-12, 2019
- 20 **EUS – My 30 year journey with Olympus.** 33rd International Workshop on Therapeutic Endoscopy. Prince of Wales Hospital, Chinese University of Hong Kong, China, Dec. 11-13, 2018
- 21 **Difficult bile duct cannulation.** 33rd International Workshop on Therapeutic Endoscopy. Prince of Wales Hospital, Chinese University of Hong Kong, China, Dec. 11-13, 2018
- 22 **The evolution of EUS – Past to present.** 21st International Symposium on Endoscopic Ultrasonography. Bangkok, Thailand, Dec. 1-2, 2018
- 23 **Tackling difficult ERCP cannulation.** Endoskills PB Pancreatico-Biliary Workshop. Royal Prince Alfred Hospital, Sydney, Australia, Nov. 11-12, 2018
- 24 **Future perspective of EUS.** 96th Annual Meeting of the Japanese Gastroenterological Society, Japan Digestive Disease Week 2018 (JDDW 2018). Kobe, Japan, Nov. 1-4, 2018
- 25 **Principles of EUS-FNA.** The 1st Tokyo Metropolitan International Endoscopy Live. Tokyo, Japan, Oct. 27-28, 2018
- 26 **A pragmatic approach to early gastric neoplasm – Gastric polyps.** Thirty First International Course on Therapeutic Endoscopy, St. Michael's Hospital, Toronto, Canada, Oct. 3-5, 2018
- 27 **“Practically speaking:” Endoscopy and health care economics.** Chicago Live 2018 10th Anniversary, Northwestern Memorial Hospital, Northwestern University, Chicago, Illinois, Sept. 27-29, 2018
- 28 **Identifying and solving unmet needs in Gastroenterology – The Apollo Story.** 44th Annual Topics in Gastroenterology and Hepato-biliary update. Johns Hopkins School of Medicine, Baltimore, Maryland, Sept. 26-28, 2018
- 29 **Next steps in endoluminal surgery: Where are we headed?** Masters in MIS Forum. Boston, MA, Aug. 10-11, 2018
- 30 **Advancing endosurgery collaboration – Therapeutic endoscopy.** 13th Annual International NOSCART Summit. ASGE IT&T Center, Downers Grove, IL, July 12-14, 2018
- 31 **Papillary neoplasm: When endoscopy? When surgery?** 27th International Course in Therapeutic Endoscopy, University of Sao Paulo Medical School, Sao Paulo, Brazil, June 27-29, 2018
- 32 **EUS tomorrow.** 27th International Course in Therapeutic Endoscopy, University of Sao Paulo Medical School, Sao Paulo, Brazil, June 27-29, 2018
- 33 **Novel Endoscopic treatment for GERD.** 27th International Course in Therapeutic Endoscopy, University of Sao Paulo Medical School, Sao Paulo, Brazil, June 27-29, 2018
- 34 **Barrett's esophagus with dysplasia: resect, burn or freeze?** 27th International Course in Therapeutic Endoscopy, University of Sao Paulo Medical School, Sao Paulo, Brazil, June 27-29, 2018
- 35 **Role of EUS in idiopathic recurrent acute pancreatitis (IRAP).** EUS Live in Amsterdam, 21st Annual Course, Amsterdam, The Netherlands, June 14-15, 2018
- 36 **New technology in clinical practice: Where do I start?** Annual ASGE PGC, Digestive Disease Week, Washington, D.C., June 2-5, 2018
- 37 **ERCP in the EUS era.** EndoLive Roma 2018. Catholic University, Gemelli Hospital, Rome, Italy, May 6-8, 2018
- 38 **EUS-FNA: Current standard and future.** 3rd Tokyo International Endoscopy Live Course (Tokyo Live 2018) Digestive Disease Center, Showa University Koto Toyosu Hospital, Tokyo, Japan, April 28-29, 2018
- 39 **Advances in EUS and pancreatic disorders.** 2018 ACG/FGS Annual Spring Meeting. Hyatt Regency Coconut Point, Bonita Springs, FL, March 16-18, 2018
- 40 **Transpapillary and or transluminal biliary access.** 20th Dusseldorf International Endoscopy Symposium, Dusseldorf, Germany, Feb. 1-3, 2018

- 41 **Navigating the guidelines for evaluation and management of pancreatic cysts.** 2nd Annual Symposium on Pancreatic Neoplasia & Pancreatitis: A Modern Multidisciplinary Approach. Methodist Digestive Institute, Dallas, TX, Nov. 18, 2017
- 42 **EMR for colonic neoplasia, is it time for us to learn to do it?** OCC 2017 - 1st Annual Orlando Colorectal Congress. Florida Hospital Nicholson Center, Orlando, FL, Nov. 8-10, 2017
- 43 **Endoscopic papillectomy.** 25th United European Gastroenterology Week (UEGW), Barcelona, Spain, Oct. 28 - Nov. 1, 2017
- 44 **ERCP in the intensive care unit.** 25th United European Gastroenterology Week (UEGW), Barcelona, Spain Oct. 28 - Nov. 1, 2017
- 45 **Minimizing ERCP complications.** Thirtieth International Course on Therapeutic Endoscopy, St Michael's Hospital, Toronto, Canada, Oct 25-27, 2017
- 46 **Endosonographic oncology** German Society of Gastroenterology and the German Society of Surgery Annual Meeting, Dresden, Germany, Sept. 13-16, 2017 (Presented by video)
- 47 **NOTES – a short story on the way out?** German Society of Gastroenterology and the German Society of Surgery Annual Meeting, Dresden, Germany, Sept. 13-16, 2017 (Presented by video)
- 48 **Training to be the advanced endoscopic proceduralist.** Masters in MIS, Boston, MA., Aug. 25-26, 2017
- 49 **The evolving role of cholangiopancreatography: Routine use or only for special occasions?** Chicago Live 2017: Integrating Endoscopic Innovation and Evidence. Northwestern University Feingold Medical Center, Chicago, IL, Aug. 10-12, 2017
- 50 **Endoscopic management of pancreatobiliary diseases – ERCP & EUS** 2107 Association of Physicians of Pakistani Descent of North America (APPNA) Rosen Shingle Creek Hotel, Orlando, FL, July 7, 2017
- 51 **ERCP and EUS-guided biliary drainage in malignant biliary obstruction – Addition or competition?** Don Wilson Lecture EndoSwiss Live 2017, Zurich, Switzerland, June 24, 2017
- 52 **Managing fluid collection: When, how and how much?** Gastroenterology and Endotherapy European Workshop (GEEW) 35th Anniversary Meeting. Brussels Exhibition Center and Erasme Hospital, Brussels, Belgium, June 19-21, 2017
- 53 **Quality and competence in EUS: How do we measure; how do we maintain and improve?** EUS Live in Amsterdam. 20th annual Course. Amsterdam Medical Center, Amsterdam, The Netherlands, June 8-9, 2017
- 54 **Biliary and pancreatic ERCP.** DDW Update 2017 Alford Inn, Winter Park, FL, May 13, 2017
- 55 **Lessons from the Masters: What you may not be doing in the endoscopy unit but should be – EUS.** DDW 2017, Chicago, IL, May 7, 2017
- 56 **The clinical value of cholangioscopy.** 2nd Tokyo International Endoscopy Live Course (Tokyo Live). Tokyo, Japan, April 29-30, 2017
- 57 **Diagnosis and management of Barrett's esophagus.** Medtronic GI Symposium. Houston, TX, April 1, 2017
- 58 **Endoscopic Ultrasound.** 10th Birmingham LIVE Advanced Therapeutic Endoscopy Conference, Birmingham, AL, March 25, 2017
- 59 **Diagnosis and management of Barrett's esophagus.** Charlotte Heartburn Symposium. Charlotte, NC, March 18, 2017
- 60 **EUS in cancer staging: when do you need it and when you don't.** 8th Expert Strategies in Endoscopy, Gastrointestinal and Liver Disorders. Kansas University Medical Center, Kansas City, KS, March 11, 2017
- 61 **Endoscopic innovation – A glimpse of the future.** KEYNOTE Presentation. 1st Annual Mount Sinai Live Endoscopy Course. Mount Sinai Hospital, New York, NY, March 10, 2017
- 62 **The present and future of endoscopic ultrasound.** KEYNOTE Presentation. 1st Annual Mount Sinai Live Endoscopy Course. Mount Sinai Hospital, New York, NY, March 10, 2017
- 63 **Cholangioscopy–case reviews.** ENDO2017 World Congress of GI Endoscopy, Hyderabad, India, Feb. 16-18, 2017
- 64 **Future of EUS.** ENDO2017 World Congress of GI Endoscopy, Hyderabad, India, Feb. 16-18, 2017
- 65 **GERD.** ENDO2017 World Congress of GI Endoscopy, Hyderabad, India, Feb. 16-18, 2017
- 66 **Sphincter of Oddi dysfunction and the pancreas, what's left for endotherapy?** ENDO2017 World Congress of GI Endoscopy, Hyderabad, India, Feb. 16-18, 2017

- 67 **Keeping a watch on the cost effectiveness of endoscopy.** ENDO2017 World Congress of GI Endoscopy, Hyderabad, India, Feb. 16-18, 2017
- 68 **Chronic calcific pancreatitis – An endoscopic approach.** 4th Annual North Meets South: A Gastrointestinal Medical & Surgical Symposium. Florida Hospital Orlando, FL, Feb. 9, 2017
- 69 **GIST – endoscopic management.** 4th Annual North Meets South: A Gastrointestinal Medical & Surgical Symposium. Florida Hospital Orlando, Orlando, FL, Feb. 9, 2017
- 70 **Disconnected pancreatic duct.** 24th International Symposium on Pancreatic & Biliary Endoscopy. Cedars-Sinai Medical Center, Los Angeles, CA, Jan. 29, 2017
- 71 **Balloon dilation is the best treatment for achalasia.** 2nd annual east meets west: A gastrointestinal Medical and surgical symposium held as part of the World Congress of Endoscopic Surgery. Suzhou, China, Nov. 11, 2016
- 72 **Endoscopic evaluation and management of pancreatic cysts.** 2nd annual east meets west: A gastrointestinal Medical and surgical symposium held as part of the World Congress of Endoscopic Surgery. Suzhou, China, Nov. 11, 2016
- 73 **Physician education and/or complementary expertise.** EUS 2016, Budapest, Hungary, Sept. 24, 2016
- 74 **Top 5 indications for EUS in the next decade – FOCUS 2016,** Omni Hotel, Montreal, Canada, Sept. 17th, 2016
- 75 **The future of therapeutic endoscopy – 51st Florida Gastroenterology Society Annual Meeting,** Orlando, FL, Sept. 9-11, 2016
- 76 **Therapeutic EUS 2016: Beyond tissue acquisition - Chicago Live 2016: New frontiers in endoscopy,** Northwestern University Feinberg School of Medicine, Chicago IL, Aug. 12-13, 2016
- 77 **History and impact of NOTES on current practice – Therapeutic endoscopy perspective - 11th** International NOSCART Summit, ASGE IT&T Center, Downers Grove, IL, July 7-9, 2016
- 78 **Recent advancement of EUS-FNA - Tokyo Live 2016,** Showa University Koto Toyosu Hospital, Tokyo, Japan, July 2-3, 2016
- 79 **The future of EUS - EUS Live in Amsterdam 19th Annual Course,** Academic Medical Center, Amsterdam, The Netherlands, June 9-10, 2016
- 80 **Endoscopy, Disruptive Innovation and Health Care Reform – Implications for health care systems – Underwood Lecture – 2nd Annual Underwood Symposium,** Lynda K. and David M. Underwood Center for Digestive Diseases at Houston Methodist, Houston, TX, April 1, 2016
- 81 **Therapeutic EUS: Too much ado about nothing?** Live transmission from CIE to Interventional EUS 2016: 5th Mumbai Live EUS, Mumbai, India, March 24, 2016
- 82 **Barretts esophagus: diagnosis and current management – Virginia Commonwealth University VA Hospital Grand Rounds,** Richmond, VA, March 18, 2016
- 83 **Role of EUS in 2016: Its isn't just diagnostic anymore – 7th Expert Strategies in Endoscopy,** Gastrointestinal and Liver Diseases, KU Medical Center, Kansas City, KS, March 12, 2016
- 84 **Stenting for Complex Biliary Strictures – 7th Annual LSU Endoscopy Conference,** New Orleans, LA, March 5, 2016
- 85 **Interventional EUS – Pancreatobiliary drainage – competing with the interventional radiologist?** Endoscopy Summit @ The Palace, Hyderabad, India, Feb. 21, 2016
- 86 **Progress in spiral enteroscopy.** 18th Dusseldorf International Endoscopy Symposium, Dusseldorf, Germany, Feb. 11-13, 2016
- 87 **Approach to recurrent acute pancreatitis.** 18th Dusseldorf International Endoscopy Symposium, Dusseldorf, Germany, Feb. 11-13, 2016
- 88 **Advanced cannulation techniques.** 18th Dusseldorf International Endoscopy Symposium, Dusseldorf, Germany, Feb. 11-13, 2016

NAMED LECTURES

- 1 **The Christopher Williams Lecture.** British Society of Gastroenterology Endoscopy Live. SAGE, Gateshead, UK March 7-8, 2019

- 2 **James L. Borland, Sr. Memorial Award and Lecture**, Florida Gastroenterologic Society Annual Meeting, September 2018, Orlando, Florida
- 3 **Don Wilson Lecture EndoSwiss Live 2017**, Zurich, Switzerland, June 24, 2017
- 4 **The Bruce Family Lecture** – 29th International Course on Therapeutic Endoscopy, Toronto, Canada, Oct. 14, 2016
- 5 **The Underwood Lecture** – 2nd Annual Underwood Symposium, Lynda K. and David M. Underwood Center for Digestive Diseases at Houston Methodist, Houston, Texas, April 1, 2016
- 6 **The Michel Cremer Lecture** – 34th Gastroenterology and Endotherapy European Workshop, Brussels, Belgium, June 2015
- 7 **The Peter Gillespie Lecture** - 8th Annual Sydney International Endoscopy Symposium, Sydney, Australia, 2015
- 8 **Don Wilson Lecture** – 20th International Workshop on Therapeutic Endoscopy, Hong Kong, 2012
- 9 **ACG Emily Couric Lecture** – American College of Gastroenterology Annual Meeting, 2011
- 10 **ASGE Berk Honorary Lecturer** – Digestive Disease Week, 2011
- 11 **3rd Annual Lawrence Lumeng Lectureship** - Gastroenterology and Hepatology, 2010

GRANTS

Principle Investigator: Boston Scientific Corporation (\$54,625)
SPY II Registry, 10/2006-10/2009 (1%)

Principle Investigator: Midwest Biomedical Research Foundation (\$18,750)
Detection of Intestinal Metaplasia and high-grade Dysplasia in Barrett’s Esophagus, 01/2006-12/2007 (0%)

Principle Investigator: NDO Surgical (\$8,000)
Long-term follow-up study of the NDO Surgical Plicator for the treatment of GERD, 01/2006-06/2008 (0%)

Principle Investigator: BARRX Medical Inc. (\$137,051)
Ablation of Intestinal Metaplasia Containing Dysphagia, 12/2005-12/2008 (1%)

Principle Investigator: Federal Flow down from University of Pittsburg (\$19,750)
North American Pancreatitis Study 2 (Naps), 07/2002-04/2006

Principal Investigator: National Institute of Health (\$146,000)
Planning grant for SOD III multi-center trial, 2004-2005

Principal Investigator: University of Pittsburgh (\$8,750)
North American Pancreatitis Study 2 (NAPS 2), 2004

Principal Investigator: NDO Surgical (\$80,306)
Study of the NDO Surgical Plication System for Treatment of Symptomatic Gastroesophageal Reflux Disease, 2000

Principal Investigator: Marine Polymer Technologies (\$18,545)
Endoscopic mucosectomy using P-GlucNAC, 2000

Co-Principal Investigator: Department of Defense (\$825,000)
Development of a battery powered endoscope for esophageal screening and surveillance, 1999

Co-Principal Investigator: Applied Immunotherapeutics, LLC (\$66,000)
Comparing systemic chemo to immunotherapy as first line therapy for patients with pancreatic cancer, 1998

Principal Investigator: Pentax Corporation (\$1,526)
Use of ultrasound contrast agents during endoscopic ultrasonography, 1995

Co-Principal Investigator: Showalter Foundation Grant (\$55,000)
High intensity focused ultrasound in the treatment of rectal cancer, 1993

BOOKS

- 1 **Hawes RH**, Fockens P, Varadarajulu S. (Eds) *Endosonography*, 4th Edition, Elsevier, London, 2018

- 2 **Hawes RH**, Fockens P, Varadarajulu S. (Eds) *Endosonography*, 3rd Edition, Elsevier, London, 2014
- 3 **Hawes RH**, Fockens P. *Endosonography* 2nd Edition, Elsevier, Inc., London, 2010
- 4 **Hawes RH**, Fockens P. *Endosonography*. Elsevier, Inc., London, 2006

BOOK CHAPTERS

- 1 Swindle MM, **Hawes RH**, Knapple WL. Endoscopic/laparoscopic surgery 2nd Edition. In: Swindle M (ed) Surgery, Anesthesia, and Experimental Techniques in Swine, Iowa State University Press, Ames, in press.
- 2 Tarnasky PR, **Hawes RH**. Pancreaticobiliary pain and suspected SOD. In: Baron, Kozarek, Carr-Locke (eds) A Practical Guide to ERCP, Elsevier, London. 2006, pp 367-378.
- 3 **Hawes RH**. Endosonography in the biliary tree. In: Reimann JF and Neuhaus H (eds) Interventional Endoscopy in Hepatology, Kluwer Academic Publishers, Dordrecht, 2000, pp. 30-35.
- 4 Juergen H, Juergen M, Kai M, Guido C, **Hawes RH**. Education and Training. In: Classen M, Tytgat G, Lightdale C, (eds) Gastroenterological Endoscopy 2nd Edition, Thiemes, New York, 2010, pp 99-102
- 5 Varadarajulu S, **Hawes RH**. Chronic Pancreatitis, Stones, and Strictures. In: Ginsberg GG, Kochman ML, Norton I, Gostout CJ (eds) Clinical Gastrointestinal Endoscopy, Elsevier Saunders, Philadelphia, 2005, pp 785-805
- 6 Swindle MM, **Hawes RH**, Knapple WL. Endoscopic/laparoscopic surgery. In: Swindle M (ed) Surgery, Anesthesia, and Experimental Techniques in Swine, Iowa State University Press, Ames, 1998, pp 265-81
- 7 Savides TJ, **Hawes RH**. Endoscopic ultrasound staging of rectal cancer. In: Van Dam J, Sivak M, (eds) Gastrointestinal Endosonography, WB Saunders, Philadelphia, 1999, pp 279-89
- 8 Patel RS, **Hawes RH**. Sphincter of Oddi, biliary strictures and leaks. In: Cotton PB, Tytgat GNJ, Williams CB, Bowling TE, (eds) Annual of Gastrointestinal Endoscopy 11th Edition, Rapid Science Ltd., London, 1998, pp 113-121
- 9 Tarnasky PR, **Hawes RH**. Endoscopy and the pancreas. In: Cotton PB, Tytgat GNJ, Williams CB, (eds) Annual of Gastrointestinal Endoscopy 9th Edition, Rapid Science Ltd., London, 1996, pp 77-88
- 10 **Hawes RH**. Endoscopy and non-calculus biliary obstruction. In: Cotton PB, Tytgat GNJ, Williams CB, (eds) Annual of Gastrointestinal Endoscopy 8th Edition, Current Science Ltd., London, 1995, pp 101-110
- 11 Bhutani MS, **Hawes RH**. Endoluminal Ultrasound in Inflammatory Bowel Disease. In: Inflammatory Bowel Diseases 3rd Edition, Churchill Livingstone, 1997, pp 285-290
- 12 **Hawes RH**, Sherman S. Cholelithiasis In: Haubrich WS, Schaffner F, Berk JE (eds) Bockus Gastroenterology, 5th edition, WB Saunders, 1995, Vol. 3, pp2745-2779
- 13 Kochman ML, **Hawes RH**. Endosonographic Evaluation of Submucosal Lesions of the GI Tract. In: Barkin JS, O'Phelan CA (eds), Advanced Therapeutic Endoscopy, Raven Press, New York, 1994, pp133-145
- 14 **Hawes RH**, Lehman GA. Management of biliary strictures. In: Cotton PB, Tytgat GNJ, Williams CB, (eds) Annual of Gastrointestinal Endoscopy, Current Science Ltd., London, 1992
- 15 **Hawes R**. Bleeding from gastrointestinal tumors. In: Krasher N (ed) Lasers in Gastroenterology, Chapman and Hall, London, 1991, pp125-134
- 16 **Hawes R**. Training in flexible sigmoidoscopy and quality assurance. In: Shapiro M, Lehman G. (eds) Flexible Sigmoidoscopy: Techniques and Utilization. Williams and Wilkins, Baltimore, 1990, pp 211-219
- 17 **Hawes RH**. Endosonography and echo probes. In: Barkin JS, O'Phelan CA (Eds) Advanced Therapeutic Endoscopy. Raven Press, New York. 1990, pp 291-308

VIDEOS / AUDIO TAPES

- 1 **Hawes RH**, Intro to curvilinear (CLA) EUS: EUS 2002 Training Video Tapes. New York, NY, Oct. 2002.
- 2 Wallace MB, **Hawes RH**, Hoffman BJ. Gastrointestinal Endosonography. 001 ASGE Audiovisual Award.
- 3 **Hawes RH**, Approach to patients with possible sphincter of Oddi dysfunction, Educational Reviews, Inc. Clinical Advances in Gastroenterology Vol. 7, No. 3, 1996
- 4 **Hawes RH**, A New Standard of Treatment for Esophageal Malignancies. Microvasive, 1995
- 5 **Hawes RH**, Hoffman BJ. Clinical Utility of Endoscopic Ultrasound. Network for Continuing Medical

Education, 1995

- 6 Tarnasky PR, Cotton PB, **Hawes RH**. Diagnostic ERCP. American Society for Gastrointestinal Endoscopy 6-Pack Series. Glaxo Inc., 1995
- 7 **Hawes RH**, American Society for Gastrointestinal Endoscopy Endoscopic Video Quiz, New Orleans, 1994