

CURRICULUM VITAE
ROBERT H. HAWES, M.D.
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MEDICAL UNIVERSITY OF SOUTH CAROLINA
CURRICULUM VITAE
October, 2008

NAME ROBERT HOLBROOK HAWES, M.D., FASGE

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Digestive Disease Center
25 Courtenay ART 7100 A, MSC 290
Charleston, SC 29425-2900

PHONE # (843) 876-4699

EDUCATION

<u>INSTITUTE</u>	<u>TRAINING</u>	<u>LOCATION</u>	<u>YEARS</u>
Indiana University	A.B., Chemistry	Bloomington, IN	1972-76
Indiana University School of Medicine	M.D.	Indianapolis, IN	1976-80

GRADUATE MEDICAL EDUCATION

<u>INSTITUTE</u>	<u>POSITION/DEPT.</u>	<u>LOCATION</u>	<u>YEARS</u>
Indiana U. Sch. Med.	Intern/Medicine	Indianapolis, IN	7/80-6/81
Indiana U. Sch. Med.	Resident/Medicine	Indianapolis, IN	7/81-6/82
Indiana U. Sch. Med.	GI Fellowship/Med	Indianapolis, IN	7/82-6/84
Indiana U. Sch. Med.	Resident/Medicine	Indianapolis, IN	7/84-6/85

SPECIALTY CERTIFICATION

American Board of Internal Medicine, September 1985, #103604
American Board of Internal Medicine, Gastroenterology, November 1987, #103604

LICENSURE

State of South Carolina #17283

FACULTY APPOINTMENTS

<u>YEARS</u>	<u>RANK</u>	<u>DEPARTMENT</u>	<u>INSTITUTION</u>
1985-1989	Assistant Professor	Internal Medicine	Indiana University Sch of Med
1989-1994	Associate Professor	Internal Medicine	Indiana University Sch of Med
1994	Professor	Internal Medicine	Indiana University Sch of Med
1994-present	Professor	Internal Medicine	Medical University of S.C.
1995-present	Adjunct Professor	Bioengineering	Clemson University

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HOSPITAL APPOINTMENTS

<u>YEARS</u>	<u>POSITION</u>	<u>INSTITUTION</u>
1985-1994	Attending Physician	Indiana University Hospital
1985-1994	Attending Physician	Wishard Memorial Hospital
1985-1994	Attending Physician	Richard Roudebush VA Hospital
1994-present	Attending Physician	Medical University of S.C.
1994-present	Attending Physician	Charleston Memorial Hospital
1994-present	Attending Physician	Ralph H. Johnson VA Medical Center

MEMBERSHIP IN PROFESSIONAL/SCIENTIFIC SOCIETIES (INCLUDING OFFICES HELD)

- 1) American Society for Gastrointestinal Endoscopy
 - a) Director, ASGE Postgraduate Course, 1994
 - b) Chairman, Membership Committee, 1993 to 1996
 - c) Member, Ad Hoc Committee on Minority and Women's Issues
 - d) Member, Committee on Training
 - e) Governing Board, 1996 to 2000, 2006-2008
 - f) Chairman, EUS Committee
 - g) Member, Publications Committee
 - h) President-elect, May 2004-May 2005
 - i) President, May 2005-May 2006
 - j) Member, Awards Committee May 2006-May 2007
 - k) Member, Nominations Committee May 2006-May 2007
 - l) Fellow, May 2006-present
 - m) Co-chair, Natural Orifice Surgery Consortium for Assessment and Research (combined committee between ASGE and SAGES)
- 2) American Gastroenterological Association
- 3) Fellow-American College of Gastroenterology
- 4) American Federation for Clinical Research
- 5) Society of American Gastrointestinal Endoscopy Surgeons

EDITORIAL POSITIONS

Manuscript reviewer for Gastrointestinal Endoscopy, 1989 to present
Manuscript reviewer for Endoscopy, 1991 to present
Manuscript reviewer for The American Journal of Gastroenterology, 1991 to present
Editorial Board for Reviews in Gastrointestinal Disorders – 2000 to present
Editorial Board for Techniques in Gastrointestinal Endoscopy – 2006 - present

GRANTS/AWARD AMOUNT

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

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

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

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

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

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

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

Principal Investigator: National Institute of Health (\$146,000) Planning Grant for SOD III Multi-center Trial. 09/30/2004-07/31/2005

Principal Investigator: Federal Flow down from University of Pittsburg (\$19,750) North American Pancreatitis Study 2 (Naps) 07/01/2002-04/30/2006

Principle Investigator: BARRX Medical Inc., Ablation of Intestinal Metaplasia Containing Dysphagia (\$137,051) 12/28/2005-12/31/2008 (1%)

Principle Investigator: NDO Surgical (\$8,000) Long-term Follow-up Study of the NDO Surgical Plicator for the Treatment of GERD, 1/15/2006-6/30/08. (0%)

Principle Investigator: Olympus, Ltd (\$68,191) Detection of Intestinal Metaplasia and High Grade Dysplasia in Barrett's Esophagus, 01/10/2006-12/31/2007 (1%)

Principle Investigator: Midwest Biomedical Research Foundation (\$18,750) Detection of Intestinal Metaplasia and High Grade Dysplasia in Barrett's Esophagus, 01/10/2006-12/31/2007 (0%)

Principle Investigator: Boston Scientific Corporation (\$54,625) SPY II Registry, 10/24/2006-10/23/2009 (1%)

HONORS:

Phi Beta Kappa, Indiana University, 1976
American Society for Gastrointest Endoscopy Distinguished Educator Award, 2002
Otis R. Bowen, MD Distinguished Leadership Award – Indiana University, 2006
Peter Cotton, MD Endowed Chair for Endoscopic Innovation, 2006

ACADEMIC COMMITTEE ACTIVITIES:

Committee member - Medical University of S. C. Institutional Review Board, 1997 to present
Vice-chair, 2000 to present

MAJOR TEACHING RESPONSIBILITIES:

Graduate Medical Education

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- Ph.D. thesis panel for Dr. Marcelo Vela
- Ph.D. thesis panel for Dr. Paul Fockens

Continuing Medical Education

- Currently teaching EUS and ERCP for both nurses and physicians through tutorials held at MUSC in our endoscopy unit (approximately 10 courses per year) as well as other various GI lectures
- Yearly lectures to incoming medicine residents and GI fellows

MAJOR CLINICAL INTERESTS AND RESPONSIBILITIES:

Pancreatobiliary diseases
Gastrointestinal oncology
Gastrointestinal endoscopy
Future developments in gastrointestinal endoscopy

EXTRAMURAL PROFESSIONAL ACTIVITIES

Panel member – FDA panel for urologic and gastrointestinal devices, 1998-2001
Scientific Advisory Board – Alveolus, Inc., 2003-present
Scientific Advisory Board – BaroSense, Inc., 2002 - present
Scientific Board – IRCAD/EITS, 2004-present

LECTURES AND PRESENTATIONS (3 Years)

An overview of EUS from a clinician's perspective. 2nd International Endoscopy Workshop January 5-7, 2004. Jeddah, Saudia Arabia.

EUS: an overview. 5th International GI Therapeutic Endoscopy Workshop February 13-15, 2004. Hyderabad, India.

Trends in therapeutic endoscopy. 28th Annual Seminar for GI Nurses and Associates March 6, 2004. Los Angeles, CA.

Management of acute recurrent pancreatitis. University of Utah Therapeutic Endoscopy Course 2004: What's new and what's hot. March 18-21, 2004. Salt Lake City, UT.

Approach to the difficult cannulation. University of Utah Therapeutic Endoscopy Course 2004: What's new and what's hot. March 18-21, 2004. Salt Lake City, UT.

Non-endoscoic imaging: pancreaticobiliary MRCP, Octreoscans and PET. University of Utah Therapeutic Endoscopy Course 2004: What's new and what's hot, March 18-21, 2004. Salt Lake City, UT.

The diagnosis and palliative aspects of EUS. Pancreas Cancer 2004, April 24-26, 2004. Pisa, Italy.

Endoscopic management of pancreatitis. 33rd Annual Postgraduate Course in Surgery, April 29-May 1, 2004. Charleston, SC.

EUS infrastructure: what do you need to start EUS? Endosonography Live in Amsterdam, June 3-5,

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2004. Amsterdam, The Netherlands.

Endoscopic mucosal resection. Gastroenterology and Endotherapy: 22nd European Workshop, June 21-23, 2004. Brussels, Belgium.

The future of interventional EUS. International EUS Live Course 2004, June 27-29, 2004. Bologna, Italy.

Endoscopic ultrasound. South Carolina Chapter of the American College of Surgeons and the South Carolina Surgical Society Joint Meeting, July 15-17, 2004. Charleston, SC.

Approach to patients with unexplained acute pancreatitis. 29th Annual Texas Program, September 17-19, 2004. Dallas, TX.

Sphincterotomy. 29th Annual Texas Program, September 17-19, 2004. Dallas, TX.

Interventional EUS. Asian Pacific Digestive Disease Week 2004, October 4-7, 2004. Beijing, China.

Pancreatic Calculi: to treat or not to treat? 12th International Symposium on Pancreatic and Biliary Endoscopy, January 21-23, 2005. Los Angeles, CA.

Management of ERCP induced pancreatitis. 12th International Symposium on Pancreatic and Biliary Endoscopy, January 21-23, 2005. Los Angeles, CA.

How to minimize procedural related risks. 7th International Symposium: Diagnostic and Therapeutic Endoscopy February 18-19, 2005. Dusseldorf, Germany.

Peroral transgastral peritonoscopy, endoscopic sewing: research update and outlook. 7th International Symposium: Diagnostic and Therapeutic Endoscopy February 18-19, 2005. Dusseldorf, Germany.

EUS-guided fine needle aspiration biopsy – indications and outcomes. 4th International Workshop of Endosonography and Advanced Therapeutic Endoscopy, March 4-6, 2005. Seoul, Korea.

Future luminal applications. Innovation in Endoscopy: Future Vision 2005, March 10-11, 2005. Rancho Mirage, CA.

Thinking outside the lumen: peroral transgastric flexible endoscopic surgery. Innovation in Endoscopy: Future Vision 2005, March 10-11, 2005. Rancho Mirage, CA.

EUS in the age of multi-slice CT, MRI, PET..... British Society of Gastroenterology Annual Meeting, March 14-17, 2005. Birmingham, United Kingdom.

Endoscopy in pancreatic disease. British Society of Gastroenterology Annual Meeting, March 14-17, 2005. Birmingham, United Kingdom.

Cancer staging – EUS, CT, PET. Therapeutic Endoscopy Course 2005, March 16-20, 2005. Park City City, UT.

Prevention of post-ERCP pancreatitis. Therapeutic Endoscopy Course 2005, March 16-20, 2005. Park City City, UT.

Difficult biliary strictures. Therapeutic Endoscopy Course 2005, March 16-20, 2005. Park City City, UT.

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Endoscopic management of peripancreatic malignancies. 34th Annual Postgraduate Course in Surgery, April 7-9, 2005. Charleston, SC.

Endoscopic Management of pancreatic cysts, necrosis and abscesses. Digestive Endoscopy Postgraduate Course. Madrid, Spain, June 11, 2005.

Transgastric surgery. Digestive Endoscopy Postgraduate Course. Madrid, Spain, June 11, 2005.

Learning and teaching EUS. Endosonography Live in Amsterdam. June 9-11, 2005. Amsterdam, The Netherlands.

What should nurses know about EUS. Endosonography Live in Amsterdam. June 9-11, 2005. Amsterdam, The Netherlands.

The important clinical implications of EUS. 25th Silver Anniversary of Advances in Gastroenterology. July 1, 2005. Atlantic City, NJ.

EUS for the practicing gastroenterologist. An update. Post-Digestive Disease Week Meeting. July 16, 2004. Los Angeles, CA.

Controversies in pancreatobiliary diseases. Post-Digestive Disease Week Meeting. July 16, 2004. Los Angeles, CA.

NOTES – on the horizon. Endo Club Nord. November. 4-5, 2005. Hamburg, Germany.

The role of EUS in acute and chronic pancreatitis: diagnosis and therapy. 29th Annual New York Course: Controversies in Gastrointestinal Endoscopy 2005. Dec. 14-17, 2006. New York, NY.

Utility of NBI to examine for dysplasia. 7th Annual Update for Clinicians – Diagnostic and Therapeutic Videoendoscopy for Upper Gastrointestinal Disorders: New Applications and Innovative Accessory Procedures. Dec 1-3, 2005. Orlando, FL.

New techniques for wide mucosectomy of Barrett's. 7th Annual Update for Clinicians – Diagnostic and Therapeutic Videoendoscopy for Upper Gastrointestinal Disorders: New Applications and Innovative Accessory Procedures. Dec 1-3, 2005. Orlando, FL.

Radioablation of Barrett's esophagus using BARRX device. 7th Annual Update for Clinicians – Diagnostic and Therapeutic Videoendoscopy for Upper Gastrointestinal Disorders: New Applications and Innovative Accessory Procedures. Dec 1-3, 2005. Orlando, FL.

Therapeutic EUS – new procedures for creating digestive anastomosis under EUS. 7th Annual Update for Clinicians – Diagnostic and Therapeutic Videoendoscopy for Upper Gastrointestinal Disorders: New Applications and Innovative Accessory Procedures. Dec 1-3, 2005. Orlando, FL.

GI models. American Association for Laboratory Animal Sciences. January 26-27, 2006. Charleston, SC.

Evolving role of interventional EUS – what do we hope to do in the future? Rocky Mountain Interventional Endoscopy 2006. February 23-25, 2006. Denver, CO.

Morbid obesity and transgastric surgery: is there a role for flexible endoscopy. Rocky Mountain Interventional Endoscopy 2006. February 23-25, 2006. Denver, CO.

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New therapeutic techniques. Therapeutic endoscopy course 2006. March 16-19, 2006. Park City, UT.

US, CT, MRI, EUS: best buy? Therapeutic endoscopy course 2006. March 16-19, 2006. Park City, UT.

The cystic pancreatic lesion? What should we do? Therapeutic endoscopy course 2006. March 16-19, 2006. Park City, UT.

Definition of esophageal junction, diagnosis and surveillance of reflux esophagitis and Barrett's esophagus. Post congress SIED-ESGE-ASGE Course "Digestive Endoscopy: striving for excellence". April 5, 2006. Naples, Italy.

Fundamental barriers to transgastric surgery and solutions.

Patient with first time reflux, that do you officer? Medical therapy. Surgical Spring Week. SAGES and IPEG. April 26-29, 2006. Dallas, TX.

Complications of acute pancreatitis. 10th Postgraduate Course on Digestive Endoscopy. June 23, 2006. Granada, Spain.

Experimental endoscopy – NOTES. 10th Postgraduate Course on Digestive Endoscopy. June 23, 2006. Granada, Spain.

Looking forward – what will EUS be doing in 10 years? EUS 2006. Amsterdam, The Netherlands. June 28-30, 2006.

The future of EUS. EUS 2006. Amsterdam, The Netherlands. June 28-30, 2006.

State of the Art – NOTES. Gastroenterology and Endotherapy: XIVth European Workshop. Brussels, Belgium. June 19-21, 2006.

Narrow band imaging of high grade dysplasia in Barrett's and Role of BARRX. Medical and Surgical Approaches to GI Disorders. Kiawah Island, SC. July 10-14, 2006.

Evaluation and treatment of patients with difficult biliary problems. Medical and Surgical Approaches to GI Disorders. Kiawah Island, SC. July 10-14, 2006.

Imaging the pancreaticobiliary system – relative roles of ERCP, EUS and MRCP. International Workshop on Pancreato Biliary Endoscopy – A Live Course for Beginners to Experts. Hyderabad, India. August 11-13, 2006.

Accessory papilla cannulation and sphincterotomy. International Workshop on Pancreato Biliary Endoscopy – A Live Course for Beginners to Experts. Hyderabad, India. August 11-13, 2006.

ERCP update. Gastroenterology Symposium. Boston, MA, September 7, 2006

The future of GI endoscopy. Gastroenterology Symposium. Boston, MA, September 7, 2006

Techniques in upper GI endoscopy. Boston International Live Endoscopy Course – Focus on Technique and Innovation. Boston, MA, October 6-8, 2006.

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Endoscopy without frontiers – the NOTES project. Gastroenterologie 2006. Hannover, Germany, September 13-16, 2006

Plastic vs metal, covered vs uncovered: when and which stent? ASGE Postgraduate Course – Practicing Quality Endoscopy. Las Vegas, NV, October 20, 2006.

Endoscopic evaluation and palliation of pancreatic adenocarcinoma: Current and future options, 2006 Joint Meeting of the American Pancreatic Association and International Association of Pancreatology. Chicago, IL, November 1-4, 2006.

Practical Uses for EUS. 2006 Gastroenterology Symposium: A morning with the experts. Charlotte, NC, November 11, 2006.

Transluminal endoscopic surgery. 2006 Gastroenterology Symposium: A morning with the experts. Charlotte, NC, November 11, 2006.

JOURNAL PUBLICATIONS:

1984

Hawes RH, Lehman GA, Brunelle RL, Miller RE. Comparative efficacy of colon-cleansing methods: Standard preparation vs. colonic lavage. AJR 1984;142:309-310

1986

Hawes RH, Lehman GA, Hast J, O'Connor KW, Crabb DW, Lui A, Christiansen PA. Training resident physicians in fiberoptic sigmoidoscopy: How many supervised exams are needed? Am J Med 1986;80:465-470

Lehman GA, Hawes RH, Roth B, Hast J. A study of optimal length of flexible fiberoptic sigmoidoscopies for initial endoscopic training. Dis Colon and Rec 1986;29:878-881

Bown SG, Barr H, Matthewson K, Hawes RH, Swain CP, Clark CG, Boulos PB. Endoscopic treatment of inoperable colorectal cancers with the Nd:YAG laser. Br J Surg 1986;73:949-952

1987

Bown S, HawesRH, Matthewson K, Swain CP, Barr H, Boulos PB, Clark CG. Endoscopic laser palliation for advanced malignant dysphagia. GUT 1987;28(7):799-807

1988

Hawes RH, Lehman GA, O'Connor KW, Kopecky KK, Lappas JC. Effect of instrument diameter on the depth of penetration of fiberoptic sigmoidoscopies. Gastrointest Endosc 1988;34(1):28-31

Rex DK, Hawes RH, Goulet RA. Cecal perforation after upper endoscopy and pyloric dilation. Gastrointest Endosc 1988;34:490-491

1989

Pound DC, Brown ED, Hawes RH, Lehman GA. Oral sedative/analgesic premedication for 60 cm fiberoptic sigmoidoscopy. Gastrointest Endosc 1989;35:270-271

O'Connor K, Lehman G, Yune H, Brunelle R, Christiansen P, Hast J, Compton M, McHenry R, Klatte E,

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Cockerill E, Holden R, Becker G, Kopecky K, Hawes RH, Pound D, Rex D, Lui A, Snodgrass P, Weddle R, Crabb D, Lumeng L. Comparison of three non-surgical treatments for bleeding esophageal varices. *Gastroenterology* 1989;96:899-906

1990

Hawes RH, Cotton PB, Vallon AG. Follow-up at 6-11 years after duodenoscopic sphincterotomy for stones in patients with prior cholecystectomy. *Gastroenterology* 1990;98(4):1008-1012

Kopecky KK, Hawes RH, Bogan ML, Griffith SL, Dreesen RG, Albright TM. Percutaneous pulsed-dye laser lithotripsy of gallbladder stones in swine. *Invest Radiol* 1990;25(6):627-630

Rex D, Weddle R, Lehman G, Pound D, O'Connor K, Hawes RH, Dittus R, Lappas J, Lumeng L. Flexible sigmoidoscopy plus air contrast barium enema versus colonoscopy for suspected lower gastrointestinal bleeding. *Gastroenterology* 1990;98:855-861

Bogan ML, Hawes RH, Kopecky KK, Goulet RJ. Percutaneous cholecystolithotomy with endoscopic lithotripsy by using a pulsed-dye laser: Preliminary experience. *AJR* 1990;155:781-784

Sherman S, Troiano FP, Hawes RH, Lehman GA. Does continuous aspiration from an end and side port in a sphincter of Oddi manometry catheter alter recorded pressures? *Gastrointest Endosc* 1990;36(5):500-502

Sherman S, Troiano F, Hawes RH, Lehman GA. Sphincter of Oddi Manometry: Decreased risk of clinical pancreatitis with use of a modified aspirating catheter. *Gastrointest Endosc* 1990;36(5):462-466

Rex DK, Lehman GA, Hawes RH, O'Connor KW, Smith JJ. Performing screening flexible sigmoidoscopy using colonoscopes: experience in 500 subjects. *Gastrointest Endosc*; 1990;36(5):486-488

Benage D, McHenry R, Hawes R, O'Connor K, Lehman G. Minor papilla cannulation and dorsal ductography in pancreas divisum. *Gastrointest Endosc*; 1990;36(6):553-557.

Sherman S, Hawes RH, Lehman GA. Management of bile duct stones. *Semin Liver Dis* 1990; Aug 10(3):205-221

1991

Sherman S, Troiano FP, Hawes RH, O'Connor KW, Lehman GA. Frequency of abnormal Sphincter of Oddi Manometry Compared with the Clinical Suspicion of Sphincter of Oddi Dysfunction; *Am J Gastroenterol* 1991;86(5):586-590

Sherman S, Lehman GA, Hawes RH, Ponich T, Miller T, Cohen LB, Kortan P, Haber GB. Pancreatic ductal stones: Frequency of successful endoscopic removal and improvement in symptoms. *Gastrointest Endosc* 1991;37(5):511-517

Sherman S, Hawes RH, Lehman G. A new approach to performing endoscopic sphincterotomy in the setting of a juxtapapillary duodenal diverticulum. *Gastrointest Endosc* 1991;37(3):353-355

Sherman S, Ruffolo T, Hawes R, Lehman G. Complications of Endoscopic sphincterotomy: A prospective series with emphasis on the increased risk associated with sphincter of Oddi dysfunction and non-dilated bile ducts. *Gastroenterology* 1991;101:1068-1075

Rex DK, Lehman GA, Hawes RH, Ulbright TM, Smith JJ. Screening colonoscopy in asymptomatic average-risk persons with negative fecal occult blood tests. *Gastroenterology* 1991;100(1):64-67

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Boyce GA, Sivak MV, Jr., Hawes RH, et al. Evaluation of submucosal upper gastrointestinal tract lesions by endoscopic ultrasound. *Gastrointest Endosc* 1991;37(4):449-454

Silverman B, Hawes R, Ruffolo A, Lehman GA. Pain provocation by biliary ductal distention in patients with sphincter of Oddi dysfunction: evidence for a lower threshold of pain. *J Ital End Dig* 1991;14:203-208

1992

Sherman S, Hawes R, Troiano F, Lehman G. Pancreatitis following bile duct sphincter of Oddi manometry: Utility of the aspirating catheter. *Gastrointest Endosc* 1992;38(3):347-350

Lipschutz JH, Canal DF, Hawes RH, Ruffolo TA, Besold MA, and Lehman GA. Laparoscopic cholecystectomy and ERCP with sphincterotomy in an elderly patient with situs inversus. *Am J Gastroenterol* 1992;87(2):218-220

Wiersema MJ, Hawes RH, Tao LC, Wiersema LM, Kopecky KK, Rex DK, Kumar S, Lehman GA. Endoscopic ultrasonography as an adjunct to fine needle aspiration cytology of the upper and lower gastrointestinal tract. *Gastrointest Endosc* 1992;38(1):35-39

Sherman S, Hawes RH, Madura JA, Lehman GA. Comparison of intraoperative and endoscopic manometry of the sphincter of Oddi, *SGO* 1992;175:410-418

Sherman S, Hawes RH, Nisi R, Lehman GA. Endoscopic sphincterotomy-induced hemorrhage: treatment with multipolar electrocoagulation. *Gastrointest Endosc* 1992;38(2):123-126

Silverman WB, Ruffolo TA, Sherman S, Hawes RH, Lehman GA. Correlation of basal sphincter pressure measured from the bile duct and pancreatic duct in patients with suspected sphincter of Oddi dysfunction. *Gastrointest Endosc* 1992;38:440-443

Hassig W, Wiersema MJ, Hawes R, Kopecky K, Rex DK. Diagnosis of duodenal Crohn's disease by endoscopic ultrasound - A first case report. *Am J Gastroenterol* 1992;87:1356

1993

Smithline AE, Hawes R, Kopecky K, Cummings O, Kumar S. Gangliocytic paraganglioma, A rare cause of upper gastrointestinal bleeding. Endoscopic ultrasound findings presented. *Dig Dis Sci* 1993;38(1):173-177

Lehman GA, Sherman S, Nisi R, Hawes RH. Pancreas divisum: results of minor papilla sphincterotomy. *Gastrointest Endosc* 1993;39(1):1-8

Smithline A, Hawes RH, Lehman GA. Sphincter of Oddi manometry: interobserver variability. *Gastrointest Endosc* 1993;39:486-491

Rex D, Lehman GA, Ulbright T, Smith J, Pound D, Hawes RH, Helper D, Wiersema M, Langefeld C, Wei Li. Colonic neoplasia in asymptomatic persons with negative fecal occult blood tests: Influence of age, gender, and family history. *Am J Gastroenterol* 1993;88:825-831

Choudhry U, Ruffolo T, Jamidar P, Hawes RH, Lehman GA. Sphincter of Oddi dysfunction in patients with intact gallbladder--therapeutic response to endoscopic sphincterotomy. *Gastrointest Endosc* 1993;39:492-495

Hawes RH. New staging techniques: Endoscopic ultrasound. *Cancer* 1993;71(12):4207-4213

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Sherman S, Hawes RH, Uzer MF, Smith MT, Lehman GA. Endoscopic stent exchange using a guidewire and mini-snare. *Gastrointest Endosc* 1993;39:794-799

Smithline A, Silverman W, Rogers D, Nisi R, Wiersema M, Jamidar P, Hawes RH, Lehman G. Effect of prophylactic main pancreatic duct stenting on the incidence of biliary endoscopic sphincterotomy-induced pancreatitis in high-risk patients. *Gastrointest Endosc* 1993;39(5):652-657

Wiersema MJ, Hawes RH, Lehman GA, Kochman ML, Sherman S, Kopecky KK. Prospective evaluation of endosonography and endoscopic retrograde cholangiopancreatography in patients with chronic abdominal pain of potential pancreatic origin. *Endoscopy* 1993;25:555-564

Wiersema MJ, Hassig WM, Hawes RH, Wonn MJ. Mediastinal lymph node detection with endosonography. *Gastrointest Endosc* 1993;39:788-793

Rex DK, Sledge GW, Harper PA, Ulbright TM, Loehrer PJ, Helper DJ, Smith JJ, Wiersema MJ, Hawes RH, Lehman GA. Colonic adenomas in asymptomatic women with a history of breast cancer. *Am J Gastroenterol* 1993;88(12):2009-2014.

Uzer M, Hawes RH. Endoscopic retrograde cholangiography and laparoscopic cholecystectomy: stones, stents and sphincterotomy. *Baillieres Clin Gastroenterol* 1993; Dec 7(4): 921-940.

Sherman S, Hawes RH, Uzer MF, Smith MT, Lehman GA. Endoscopic stent exchange using a guide wire and mini-snare. *Gastrointest Endosc* 1993; Nov-Dec 39(6): 794-799.

1994

Rex DK, Lehman GA, Ulbright TM, Smith JJ, Hawes RH. The yield of a second screening flexible sigmoidoscopy in the average-risk persons after one negative examination. *Gastroenterology* 1994;106:593-595

Ruffolo T, Sherman S, Lehman GA, Hawes R. Gallbladder ejection fraction and its relationship to sphincter of Oddi dysfunction. *Dig Dis Sci* 1994;39(2):289-292

Newton J, Hawes R, Jamidar P, Harig J, Lehman GA. A survey of informed consent for endoscopic retrograde cholangiopancreatography. *Dig Dis Sci* 1994;39:1714-1718

Ikenberry SO, Sherman S, Hawes RH, Smith M, Lehman GA. The occlusion rate of pancreatic stents. *Gastrointest Endosc* 1994;40:611-613

Sherman S, Hawes RH, Rathgaber S, Uzer M, Smith M, Khusro Q, Silverman W, Earle DT, Lehman GA. Post-ERCP pancreatitis: randomized, prospective study comparing a low and high osmolality contrast agent. *Gastrointest Endosc* 1994;40:422-427

Sherman S, Hawes RH, Lehman GA. Minor papilla sphincterotomy in pancreas divisum. *Gastrointest Endosc* 1994;40(1):118-119

Jamidar P, Hawes R, Lehman G. Use of an ERCP stabilizing balloon to achieve catheter placement and dilation of high-grade biliary strictures. *Gastrointestinal Endosc* 1994;40(3):354-356

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Hawes RH, Gress F, Kesler KA, Cummings OW, Conces Jr DJ. Endoscopic ultrasound versus computed tomography in the evaluation of the mediastinum in patients with non-small-cell lung cancer. *Endoscopy* 1994;26:784-787

Hawes RH, Wiersema MJ. Role of endoscopy in the staging of colorectal carcinoma. *Endoscopy* 1994;25(1):101-107

1995

Savides TJ, Gress F, Sherman S, Rahaman S, Lehman G, Hawes RH. Ultrasound catheter probe-assisted endoscopic cystgastrostomy. *Gastrointest Endosc* 1995;41(2):145-148

Jamidar PA, Beck GJ, Hoffman BJ, Lehman GA, Hawes RH, Agrawal RM, Ashok PS, Ravi TJ, Cunningham JT, Troiano F, Sherman S, Brodmerkel GT. Endoscopic Retrograde Cholangiopancreatography in Pregnancy. *Am J Gastroenterol* 1995;90(8):1263-1267

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