

CURRICULUM VITAE

Leonard B. Weinstock, M.D., F.A.C.G.

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LICENSURE	1985-Present Missouri Medical License
EDUCATION	1985-1987 Gastroenterology Fellowship Washington University School of Medicine St. Louis, Missouri 1984-1984 Chief Residency in Internal Medicine Rochester General Hospital, University of Rochester Rochester, New York 1981 Medical Degree University of Rochester School of Medicine Rochester, New York 1981-1984 Residency in Internal Medicine 1977 Bachelor of Arts, Magna Cum Laude University of Vermont Burlington, Vermont
CERTIFICATIONS	1987 Board Certification, Gastroenterology American Board of Internal Medicine 1984 Board Certification, Internal Medicine American Board of Internal Medicine
ACADEMIC POSITIONS	<u>University of Rochester, Rochester, New York</u> Instructor in Medicine 1984-1985 <u>Washington University School of Medicine, St. Louis</u> Instructor in Medicine 1985-1993 Assistant Professor of Clinical Medicine 1994-1997 Associate Member of Cancer Center 1996 Associate Professor of Clinical Medicine 1997-Present Associate Professor of Clinical Surgery 1997-Present
TEACHING POSITIONS	Endoscopy Proctor for Colorectal Surgery 1987-Present Fellows Endoscopy Proctor for Gastroenterology 1987-2005 Fellows and Surgical Residents Jewish Hospital, Medical Clinic Attending 1988-1996 Barnes-Jewish Hospital, Flexible 1996-1998

Sigmoidoscopy Clinic

PROFESIONAL APPOINTMENTS

Attending Physician The Jewish Hospital of St. Louis St. Louis, Missouri	1987-1996
Managing Partner Specialists in Gastroenterology, LLC St. Louis, Missouri	1987-Present
Attending Physician Barnes-Jewish Hospital St. Louis, Missouri	1996-Present
Attending Physician Barnes-Jewish West County Hospital St. Louis, Missouri	1990-Present
Attending Physician Missouri Baptist Hospital St. Louis, Missouri	1995-2014
President Advanced Endoscopy Center, LLC St. Louis, Missouri	2005-Present
Investigator The Clinical Research Center, LLC 1040 North Mason Road, Suite 112 St. Louis, Missouri 63141	2006-Present
Investigator Sundance Clinical Research 711 Old Ballas Road St. Louis, MO 63141	2008-Present
Consulting Gastroenterologist Washington University Student Health St. Louis, Missouri	2009-Present
Medical Advisor LDN Research Trust	2009-2012
	2015-Present

HONORS AND AWARDS

Degree with Magna Cum Laude University of Vermont, Burlington, Vermont	1977
Oncology Research Fellowship Award University of Vermont, Burlington, Vermont	1977
Cancer Research Fellowship Award University of Rochester, Rochester, New York	1978
Intern Case Report Award Rochester General Hospital, Rochester, New York	1982
Resident Investigator Award Rochester General Hospital, Rochester, New York	1983
Pennwalt Award Rochester Academy of Medicine, Rochester, NY	1984

Top Doctors List, Gastroenterology 2009
St. Louis Magazine, St. Louis, Missouri
Top Doctors List, Gastroenterology
St. Louis Magazine, St. Louis, Missouri 2010, 2011, 2012, 2013,
2014
Fellow in the American College of Gastroenterology 2010
ACG/Radhika Srinivasan Gender-Based Research Award 2016

PROFESSIONAL PUBLICATIONS

BOOK CHAPTERS

Motility Disorders. Clouse RE (Weinstock LB – assistant). *Gastrointestinal Disease: Pathophysiology, Diagnosis, and Management.* Sleisenger and Fordtran JS (Eds); 5th edition, Philadelphia, WB Saunders Co., pp.341-377, 1993.

Colonoscopy in the Management of Rectal Cancer. Weinstock LB. *Problems in General Surgery: Colon and Rectal Cancer.* Soper N and Fleshman JW (ed.), Winter, 1995.

Systemic Signs of Underlying Digestive Dysfunction and Disease. Weinstock LB. *Principles of Integrative Gastroenterology.* Mullen G (ed.), Weil Integrative Medical Library, Oxford University Press 2011.

Restless Legs Syndrome and Gastrointestinal Diseases. Weinstock LB, Walters AS. Ronald Watson, PhD (Ed). *Sleep Modulation by Obesity, Diabetes, Age and Diet.* Elsevier 2014.

Inflammatory Bowel Disease. Smith JP, Weinstock LB. Elsegood L (Ed). *The LDN Book.* Chelsea Green Publishing. 2016.

Restless Legs Syndrome. Weinstock LB, Myers TL. Elsegood L (Ed). *The LDN Book.* Chelsea Green Publishing. 2016.

ARTICLES IN PEER REVIEWED JOURNALS

Effect of osmotic diuresis on gentamicin nephrotoxicity in rats. Newman RA, Weinstock LB, Gump DW, Yates JW. *Archives of Toxicology* 1980;45:213-221.

Cavitary pulmonary metastases in a patient with adenocarcinoma of the colon. Weinstock LB, Brown D, Bordley DR. *New York State Journal of Medicine* 1984;84:460-461.

A focused overview of gastrointestinal physiology. Weinstock LB, Clouse RE. *Annals of Behavioral Medicine* 1987;9:3-6.

Esophageal physiology: normal and abnormal motor function. Weinstock LB, Clouse RE. *American Journal of Gastroenterology* 1987;82:398-405.

Recurrent abdominal pain as the sole manifestation of hereditary angioedema in multiple family members. Weinstock LB, Sharma R, Kothari T, Rosenfeld ST. *American Journal of Gastroenterology* 1987;93:1116-1118.

Accuracy of abbreviated manometry in detecting esophageal motility abnormalities. Clouse RE, Weinstock LB, Ferney DM. *Digestive Diseases and Science* 1989;34:66-70.

Medical treatment of benign gastrocolic fistula. Thyssen EP, Weinstock LB, Balfe DM, Shatz BA. *Annals of Internal Medicine* 1993;118:433-435.

Endoscopic abnormalities of the anastomosis following resection of colonic neoplasm. Weinstock LB, Shatz BA. *Gastrointestinal Endoscopy* 1994;40:558-561.

Endoscopic treatment of a colonic anastomotic mucosal bridge. Weinstock LB, Shatz BA. *Gastrointestinal Endoscopy* 1994;40:773-774.

Episodic angioedema and severe diarrhea induced by continuous captopril administration. Weinstock LB, Atkinson JP, Pittman A. *Illustrated Case Reports in Gastroenterology* 1994;1:39-43.

Diffuse microscopic angiodysplasia: a previously unreported variant of angiodysplasia. Weinstock LB, Larson RS, Stahl DJ, Fleshman JW. *Diseases of the Colon and Rectum* 1995;38:428-432.

Laser treatment to prevent obstruction in non-resectable rectal cancer. Weinstock LB. *Seminars in Colon & Rectal Surgery* 1996;7:243-251.

Long-term safety of india ink tattoos in the colon. Shatz B, Weinstock LB, Swanson P. *Gastrointestinal Endoscopy* 1997;45:153-156.

Colon cancer screening and surveillance. Thyssen EP, Weinstock LB, Shatz BA. *Washington University Cancer Matters*, 1996.

Colonic "chicken skin" mucosa: an endoscope and histologic abnormality adjacent to colon neoplasms. Weinstock LB, Shatz BA, Thyssen ET, Mujeeb IB, DeSchryver K. *American Journal of Gastroenterology* 1998;93:623-627.

Intubating the hypertensive esophagus using the spring-tipped guidewire. Weinstock LB. *Practical Gastroenterology* 1998;22:68.

Small bowel obstruction caused by mesenteric hematoma: spontaneous rupture of a jejunal artery branch. Weinstock LB, Brunt LM, Rubin B, et al. *Gastrointestinal Endoscopy* 1999;49:537-540.

Colonic mucosal speckling detected by endoscopy: histopathologic differential diagnosis. Weinstock LB, Shatz BA, Thyssen EP, Ritter J, Korenblat PE, DeSchryver K. *Gastrointestinal Endoscopy* 1999;49:786-790.

Juvenile polyp emerging from the appendiceal orifice. Weinstock LB, Shatz BA, Swanson P, McFarland B. *Gastrointestinal Endoscopy* 1999;49:759.

Laparoscopic removal of Angelchik prosthesis. Underwood RA, Weinstock LB, Soper NJ,

Brunt LM. *Surgical Endoscopy* 1999;13:615-617.

Successful medical treatment of etodolac-induced obstructing colonic stricture: A Disease Previously Treated Surgically. Weinstock LB, Hammond Z, Brandwin L. *Gastrointestinal Endoscopy* 1999;50:564-566.

Transverse colon diverticulitis – success with a non-surgical approach. Jasper DR, Weinstock LB, Balfe D, et al. *Diseases of the Colon and Rectum* 1999;42:955-958.

Esophageal food bolus obstruction: evaluation of extraction and modified push techniques in 75 cases. Weinstock LB, Shatz BA, Thyssen EP. *Gastrointestinal Endoscopy* 1999;31:421-425.

Utilization of naloxone plus heater probe jet washing to localize friable colonic submucosal Vascular Ectasia. Weinstock LB, Fleshman JW. *Gastrointestinal Endoscopy* 1999;50:733-734.

IBD caused by India ink tattoos? Too much of a good thing...again. Weinstock LB, Shatz BA, Thyssen EP. *Gastrointestinal Endoscopy* 2000;51:253.

Combined endoscopic and laparoscopic removal of a gastric foreign body. Olson W, Weinstock LB, Brunt LM. *Gastrointestinal Endoscopy* 2000;51:500-502.

Spiral CT colonography: reader reliability and diagnostic performance with 2D and 3D image displays. McFarland B, Weinstock LB, Littenberg B, et al. *Radiology* 2001; 218:375-383.

Obstructive jaundice secondary to microscopic lymphoma infiltration of the ampulla of vater. Weinstock LB, Swanson PE, Bennett KJ, et al. *American Journal of Gastroenterology* 2001;196:3186-3189.

Multi-observer diagnostic performance of CT colonography. McFarland EG, Pilgram TK, Brink JA, Weinstock LB, et al. *Radiology* 2001;218:375-383.

Xanthoma of the colon: rare endoscopic findings. Weinstock LB, Shatz BA, Saltman R, et al. *Gastrointestinal Endoscopy* 2002;55:410.

CT colonography: multiobserver diagnostic performance. McFarland EG, Pilgram TK, Brink JA, McDermott RA, Santillan CV, Brady PW, Heiken JP, Balfe DM, Weinstock LB, Thyssen EP, Littenberg B. *Radiology* 2002;225:380-90.

Pseudomelanosis of stomach, duodenum, and jejunum. Weinstock LB, Katzman D, Wang HL. *Gastrointest Endosc* 2003;58:578.

Patient preferences for CT colonography, conventional colonoscopy, and bowel preparation. Ristvedt SL, McFarland EG, Weinstock LB, Thyssen EP. *Am J Gastroenterol* 2003;98:578-85.

Early diagnosis of gastric cancer in a caucasian. Weinstock LB, Brunt LM, Deschryver K, Ritter J. *Gastrointestinal Endoscopy* 2003.

Irritable bowel syndrome. Weinstock LB. Letter to the editor. *Am Fam Physician* 2007; 1;75:31.

Pseudomelanosis of stomach: a review. Weinstock LB, et al. *Gastroenterology and Hepatology* 2006;11:808-9.

How deep should "deep sedation" be? Weinstock LB, Cohen AM, Volotsky GR. *American Journal of Gastroenterology* 2007;102:906.

Restless legs syndrome in patients with irritable bowel syndrome: response to small intestinal bacterial overgrowth therapy. Weinstock LB, Fern SE, Duntley SP. *Digestive Disease and Science* 2008;53:1252-6.

Small intestinal bacterial overgrowth in patients with interstitial cystitis and gastrointestinal symptoms. Weinstock LB, Klutke CG, Lin HC. *Digestive Disease and Science* 2008;53:1246-51.

Body positions for colonoscopy: value of the Trendelenberg position. Weinstock LB. *Gastrointestinal Endoscopy* 2008;69:1409-10.

Crohn's disease is associated with restless legs syndrome. Weinstock LB, Bosworth BP, Scherl EJ, et al. *Inflammatory Bowel Diseases* 2010;16:275-9.

Celiac disease is associated with restless legs syndrome. Weinstock LB, Walters A, Mullen G, Duntley SP. *Digestive Disease and Science* 2010;55:1667-73.

Antibiotic therapy may improve idiopathic restless legs syndrome: Prospective, open-label pilot study of rifaximin, a nonsystemic antibiotic. Weinstock LB. *Sleep Medicine* 2010; 11:427.

Low dose naltrexone: side effects and efficacy in gastrointestinal disorders. Ploesser J, Weinstock LB, Thomas E. *International Journal of Pharmaceutical Compounding* 2010;14:171-3.

Occult bleeding and anemia caused by an inflammatory polyp at a sphincterotomy stent site. Weinstock LB, Thyssen EP, Aliperti G. *Gastrointestinal Endoscopy* 2011; 1286-7.

Treatment of acute colonic pseudoobstruction with methyl naltrexone. Weinstock LB, Chang CH. *Journal of Clinical Gastroenterology* 2011;45:883-4.

Restless legs syndrome is associated with an increased prevalence of small intestinal bacterial overgrowth and irritable bowel syndrome. Walters AS, Weinstock LB. *Sleep Medicine* 12:610-3;2011.

A novel treatment for chronic prostatitis: treat the gut. Geng B, Brandes S, Weinstock LB. *Canadian Journal of Urology* 2011;18:5826-30.

Rosacea in Crohn's disease: effect of rifaximin. Weinstock LB. *Journal Clinical of Gastroenterology* 2011;45:295-6.

Rifaximin therapy for patients with irritable bowel syndrome without constipation. Pimentel M et al. *N Engl J Med* 2011; 364:22-32.

Long-term outcome of rifaximin therapy in non-constipation irritable bowel syndrome. Weinstock LB. *Digestive Disease and Science* 2011;56:3389-90.

Restless legs syndrome--theoretical roles of inflammatory and immune mechanisms. Weinstock LB, Walters AS, Pauksakon P. *Sleep Med Rev* 2012;16:341-54.

Rosacea and small intestinal bacterial overgrowth and rosacea: prevalence and response to rifaximin. Weinstock LB, Steinhoff M. *J Am Acad Dermatol* 2013;68:875-6.

Cryptosporidiosis-associated lymphocytic colitis. Weinstock LB, Kaleem Z, Gutwein MB. *Am J Gastroenterol* 2013;108:1369-71.

Duodenal lipomatosis. Weinstock LB, Axelbaum J, Norman E. *Gastrointestinal Endoscopy* 2013;77:954-955.

Naltrexone Therapy for Crohn's Disease and Ulcerative Colitis. Weinstock LB. *J Clin Gastroenterol* 2014;48:742.

Serum-Derived Bovine Immunoglobulin/Protein Isolate Therapy for Patients with Refractory Irritable Bowel Syndrome. Weinstock LB, Jansion, V. *Open J Gastro* 2014.

Resect and discard approach to diminutive colonic polyps: Real world applicability amongst both academic and community gastroenterologists. Vu HT, Early D, Weinstock LB, Thyssen EP, et al. *Dig Dis Sci* 2015;60:502-8.

Identification and treatment of new inflammatory triggers for complex regional pain syndrome: small intestinal bacterial overgrowth and obstructive sleep apnea. Weinstock LB, Myers TL, Walters AS, et al. *A&A Case Reports*, 2016;6:272-6.

Rifaximin antibiotic treatment for restless legs syndrome: a double-blind, placebo-controlled study. Weinstock LB, Zeiss S. *Sleep Biological Rhythms* 2016; 10:145-153.

Repeat treatment with rifaximin is safe and effective in patients with diarrhea-predominant irritable bowel syndrome. *Gastroenterology* 2016 (in press).

INVITED COMMENTARY

Review of Rosacea and Gastrointestinal Disorders - A Population-Based Cohort Study. Weinstock LB. *Expert Opinions on Practice Update Dermatology* 2016.

ABSTRACTS

Localized occurrence of multi-peaked contraction waves on esophageal manometry: a potential cause of discrepancy in inter-study comparisons. Clouse RE, Weinstock LB. *American Journal of Gastroenterology* 1987;95:1349A.

Accuracy of abbreviated manometry in the classification of esophageal motor disorders. Clouse RE, Weinstock LB, Ferney DM. *Gastroenterology* 1987;95:1349A.

Topographic studies of esophageal motility: observations in patients with double-peaked waves. Clouse RE, Stiano A, Ferney DM, Weinstock LB. *American Journal of Gastroenterology* 1990;99:1208A.

Colonic "chicken skin": a new mucosal change adjacent to colon neoplasm. Weinstock LB, Shatz BA, Deschryver K, Thyssen EP. *American Journal of Gastroenterology* 1994;89:1698A.

Colonic stretch marks: an endoscopic finding not previously described. Thyssen ET, Weinstock LB, Connell DC, Shatz BA. *American Journal of Gastroenterology* 1996;91:9A.

Video presentation of the Gowen decompression tube for small bowel obstruction. Weinstock LB. *American Journal of Gastroenterology* 2001;96:S322.

Comprehensive small intestinal bacterial overgrowth (SIBO) therapy in functional bowel syndrome (FBS). Weinstock LB, Todorczuk JR, Fern SE, Thyssen EP. *American Journal of Gastroenterology* 2006;110:A1124.

Comprehensive small intestinal bacterial overgrowth therapy in irritable bowel syndrome (IBS). Weinstock LB, Todorczuk JR, Fern SE, Thyssen EP. *American Journal of Gastroenterology* 2006;110:A1124.

Restless legs syndrome in patients with irritable bowel syndrome: response to small intestinal bacterial overgrowth therapy. Weinstock LB, Fern SE, Duntley SP. *Gastroenterology* May 2007.

Small intestinal bacterial overgrowth in patients with interstitial cystitis and gastrointestinal symptoms. Weinstock LB, Klutke CG, Lin HC. *Gastroenterology* 2007. Presented at DDW 2007.

Celiac disease is associated with restless legs syndrome. Weinstock LB, Walters A, Mullin G, Duntley S. *American Journal of Gastroenterology* 2008;103:P447.

Crohn's disease is frequently associated with restless legs syndrome. Weinstock LB, Bosworth P, Scherl E, Li E, Munsell, Mullin G, Walters A, Duntley S. *American Journal of Gastroenterology* 2008;103:P308.

Treatment of restless legs syndrome with rifaximin. Weinstock LB. *American Journal of Gastroenterology* 2008;103:448.

Restless legs syndrome may be associated with small intestinal bacterial overgrowth and improved with antibiotic treatment. Weinstock LB. *Sleep Medicine* 2009;10(S2):S28.

Antibiotic therapy improves restless legs syndrome: a double blind, controlled study of short course of rifaximin. Weinstock LB, Walters A, Duntley S, Zeiss S, Lewis N. *Sleep Medicine* 2009;10(S2):S28.

Small intestinal bacterial overgrowth in restless legs syndrome: a clue to central nervous system iron deficiency. Weinstock, LB, Walters AS. *Gastroenterology* May 2010.

Restless legs syndrome (RLS) is associated with an increased prevalence of small intestinal bacterial overgrowth: is RLS mediated by inflammatory and immunological mechanisms? Walters AS, Weinstock LB. *Sleep* 2010;33(S):A0765; page A256.

Time to onset and durability of relief in non-constipation IBS patients over 12 weeks following a 2-week course of rifaximin. Chey WD, Pimentel M, Riff DS, Weinstock LB, Yu J, Shardek M, Bortley E, Forbes WP. *Gastroenterology*. May 2011.

Resect and discard approach to diminutive colonic polyps: Real world applicability amongst both academic and community gastroenterologists. Early D, Weinstock LB, Thyssen EP, et al. *Gastroenterology*. May 2013.

Tilt-down body position for colonoscopy in women: prospective studies. Weinstock LB, Early D, Saad A, et al. *Am J Gastroenterology*. October 2013.

NATIONAL MEETING POSTER AND ORAL PRESENTATIONS

Recurrent abdominal pain as the sole manifestation of hereditary angioedema in multiple family members. Weinstock LB, Sharma R., Kothari T., Rosenfeld SI. American College of Physicians; Washington, DC – 1985.

Computer-assisted contour plots of the human esophageal contractile response to swallowing. Clouse RE, Weinstock LB, Ferney DM. American Motility Society; Houston, Texas – 1986.

Colonic "chicken skin" a mucosal changed adjacent to colon neoplasm. Weinstock LB, Shatz BA, Mujeeb IB, Deschryver K. American College of Gastroenterology; San Francisco, California – 1995.

Laparoscopic removal of Angelchik prosthesis. Brunt LM, Weinstock LB, Quasebarth MA, Soper NJ. Society of American G.I. Surgeons; New Orleans, Louisiana – 1995.

Colonic stretch marks: an endoscopic finding not previously described. Thyssen ET, Weinstock LB, O'Connell D, Shatz BA. American College of Gastroenterology; Seattle, Washington – 1996.

The Gowen decompression tube for small bowel obstruction. Weinstock LB. American Journal of Gastroenterology; Las Vegas, Nevada – 2001.

Comprehensive small intestinal bacterial overgrowth (SIBO) therapy in functional bowel syndrome (FBS). Weinstock LB, Todorczuk JR, Fern SE, Thyssen EP. American College of Gastroenterology; Las Vegas, Nevada – 2006.

Comprehensive small intestinal bacterial overgrowth (SIBO). Therapy in irritable bowel syndrome (IBS). Weinstock LB, Todorczuk JR, Fern SE, Thyssen EP. American College of Gastroenterology; Las Vegas, Nevada – 2006.

Small intestinal bacterial overgrowth in patients with interstitial cystitis and gastrointestinal symptoms. LB Weinstock, C Klutke, HC Lin. American Gastroenterology Association, Digestive Disease Week, Washington DC – 2007.

Small intestinal bacterial overgrowth in patients with restless legs syndrome and irritable bowel syndrome. LB Weinstock, SE Fern, SP Duntley. American Gastroenterology Association, Digestive Disease Week, Washington DC – 2007.

Celiac disease is frequently associated with restless legs syndrome. Weinstock LB. American College of Gastroenterology; Orlando, FL – 2008.

Crohn's disease is frequently associated with restless legs syndrome. Weinstock LB, Li E, Scherl E, Bosworth B. American College of Gastroenterology; Orlando, FL – 2008.

Treatment of restless legs syndrome with rifaximin. Weinstock LB. American College of Gastroenterology; Orlando, FL – 2008.

A novel treatment for chronic prostatitis: treat the gut. Geng B, Brandes S, Weinstock LB. South Central AUA conference; Scottsdale, AZ; October 2009.

Open label treatment of restless legs syndrome with rifaximin. Weinstock LB. World Association of Sleep Medicine; Sao Paulo, Brazil; November 2009.

Double blind, placebo-controlled study of rifaximin treatment of restless legs syndrome. Weinstock LB. World Association of Sleep Medicine; Sao Paulo, Brazil; November 2009.

Small intestinal bacterial overgrowth in restless legs syndrome: a clue to central nervous system iron deficiency. Weinstock, LB, Walters AS. American Gastroenterology Association, Digestive Disease Week, New Orleans, LA – 2010.

Restless legs syndrome (RLS) is associated with an increased prevalence of small intestinal bacterial overgrowth. Is RLS mediated by inflammatory and immunological mechanisms? Walters AS, Weinstock, LB. American Academy of Neurology. 2010.

Small intestinal bacterial overgrowth and rosacea: prevalence and effect of rifaximin. Weinstock LB. American College of Gastroenterology; Washington, DC - 2011.

Long-term outcome of rifaximin therapy in non-constipation irritable bowel syndrome. Weinstock LB. American College of Gastroenterology; Washington, DC - 2011.

Resect and discard approach to diminutive colonic polyps: Real world applicability amongst both academic and community gastroenterologists. Early D, Weinstock LB, Thyssen EP, et al. Dig Dis Week. May 2013.

Tilt-down body position for colonoscopy insertion in women. Weinstock LB, Early D, Saad A. American College of Gastroenterology; San Diego, CA - 2013.

Efficacy and Safety of Repeat Treatment with Rifaximin for Diarrhea-Predominant Irritable Bowel Syndrome (IBS-D): Results of the TARGET 3 Study. Lembo A, Pimentel M, Rao SS, Weinstock LB, Forbes W. Presented at American College of Gastroenterology Annual Scientific Meeting and Postgraduate Course. Philadelphia, Pennsylvania, October 17-22, 2014.

The Impact of Trendelenberg Positioning on Ease of Colonoscope Insertion. Early D, Weinstock LB, Thyssen EP, et al. American College of Gastroenterology; Las Vegas, CA - 2016. Radhika Srinivasan Gender-Based Research Award 2016

LECTURE PRESENTATIONS

Washington University School of Medicine, St. Louis, Missouri - G.I. Grand Rounds. *Gastroparesis and Idiopathic Nausea; Esophageal Physiology; Food Allergy and Irritable Bowel Syndrome; Granulomatous Hepatitis; Hemochromatosis and Hemosiderosis*, 1985-1987.

The Jewish Hospital of St. Louis, St. Louis, Missouri - *Introductory Lectures to Interns on Use of Gastrostomy Tubes*, 1987-1991.

Sikeston Hospital, Sikeston, Missouri - *Appropriate Use of Versed for Endoscopy*, 1988.

The Jewish Hospital of St. Louis, St. Louis, Missouri - Turnbull Invitational– *Update in Gastrointestinal Cancer*, 1989.

The Jewish Hospital of St. Louis, St. Louis, Missouri - Turnbull Invitational– *Irritable Bowel Syndrome*, 1989.

Keokuk Area Hospital, Keokuk, Iowa - Grand Rounds – *Prevention and Treatment of Colon Cancer*, 1990.

Intestinal Function in the Elderly Symposium, St. Louis, Missouri - *Diagnostic and Screening Endoscopy in the Elderly*, 1990.

Inflammatory Bowel Disease Symposium, St. Louis, Missouri - *Use of Endoscopy in Inflammatory Bowel Disease*, 1991.

Barnes-Jewish West County Hospital Lecture Series, St. Louis, Missouri - *Management of Peptic Ulcer Disease*, 1991.

A.A.R.P. Lecture Series, St. Louis, Missouri - *Peptic Ulcer Disease in the Elderly*, 1991.

The Jewish Hospital of St. Louis Auxiliary Lecture Series, St. Louis, Missouri - *Irritable Bowel Syndrome*, 1991.

The Jewish Hospital of St. Louis, St. Louis, Missouri - Oncology Invitational – *Update in Gastrointestinal Cancer*, 1991.
Lecture Series for SmithKline Pharmaceuticals, St. Louis, Missouri - *Introduction to Gastroenterology*, 1991.
Mt. Vernon Invitational, Mt. Vernon, Illinois - *Therapeutic Interventions in Gastroenterology*, 1992.
Society of G.I. Nurses Annual Meeting, St. Louis, Missouri - *Endoscopic Ultrasound and Recent Applications of Colonoscopy*, 1992.
Effingham Invitational, Effingham, Illinois - *Update in Gastroenterology*, 1992.
The Jewish Hospital of St. Louis, St. Louis, Missouri - *Management of Irritable Bowel Syndrome*, 1992.
Red Bud Hospital, Red Bud, Illinois - *Management of Gastrotomy Tubes and Tube Feeding*, 1993.
Marion Invitational, Marion, Illinois - *Differential Diagnosis of Abdominal Pain*, 1993.
The Jewish Hospital of St. Louis, St. Louis, Missouri - Turnbull Invitational – *Endoscopy in Inflammatory Bowel Disease*, 1993.
Farmington Invitational, Farmington, Missouri - *Endoscopic Ultrasound and Recent Applications of GI Endoscopy*, 1993.
The Jewish Hospital of St. Louis, St. Louis, Missouri - Turnbull Invitational - *Colonoscopy; Diagnosis and Follow-up of Colon Cancer*, 1993.
Society of Nurses Annual Meeting, St. Louis, Missouri - *Utility of colonoscopy in Colon Cancer*, 1994.
Current Topics in Medicine and Surgery, West Frankfort, Illinois - *Inflammatory Bowel Disease*, 1995.
Washington University G.I. Clinical Conference, St. Louis, Missouri - *Dysplasia and Ulcerative Colitis*, 1995.
Illinois Academy of Family Physicians, Centralia, Illinois - *Helicobacter and Ulcers*, 1996.
Barnes-Jewish Endoscopy Nurse Education, St. Louis, Missouri - *Helicobacter and Ulcers*, 1996.
Washington University G.I. Clinical Conference, St. Louis, Missouri - *Treatment of Post Polypectomy Bleeding*, 1996.
Washington University School of Physical Therapy, St. Louis, Missouri - *Gastrointestinal Physiology and Disease*, 1997.
Washington University G.I. Clinical Conference, St. Louis, Missouri - *Mucosal Speckling in the Colon – Macrophage Absorption*, 1997.
Barnes-Jewish West County Hospital, St. Louis, Missouri - *Conscious Sedation and Reversal*, 1997.
McDonnell Douglas Employee Health Education, St. Louis, Missouri – *Gastroesophageal Reflux and Ulcer Disease*, 1997.
Clayton Community Lecture, St. Louis, Missouri – *Colon Cancer Prevention*, 1997.
Crohn’s and Colitis Foundation Meeting, St. Louis, Missouri – *Maintenance Therapy in Ulcerative Colitis and Crohn’s Disease*, 1997.
Colorectal Surgery Journal Club, St. Louis, Missouri – *Maintenance Therapy in Crohn’s Disease*, 1997.
Washington University G.I. Symposium, St. Louis, Missouri – *Helicobacter Pylori and Non-Ulcerative Diseases*, 1997.
Crohn’s and Colitis Foundation Meeting, St. Louis, Missouri – *Living with Inflammatory Bowel Disease*, 1998.

- Anatomy Workshop, St. Louis University, St. Louis Medical Society, St. Louis, Missouri – *The Human G.I. System*, 1998.
- Gateway Society of G.I. Nurses, St. John’s Hospital, St. Louis, Missouri – *Inflammatory Bowel Disease*, 1998.
- Washington University Colorectal Conference, St. Louis, Missouri – *Low Grade Dysplasia and Ulcerative Colitis*, 1999.
- Barnes-Jewish Hospital, House Staff Noon Conference, St. Louis, Missouri – *Percutaneous Endoscopic Gastrostomy Tube and Gastric Feedings*, 1999.
- Barnes-Jewish West County Hospital, Community Lecture, St. Louis, Missouri – *Gastroesophageal Reflux Disease*, 1999.
- Washington University Colorectal Conference, St. Louis, Missouri – *Endoscopic Resection of Rectal Carcinoid Tumors*, 1999.
- Washington University G.I. Clinical Conference, St. Louis, Missouri – *Lymphoma and Jaundice*, 1999.
- Barnes-Jewish Hospital Colorectal Surgery Conference, St. Louis, Missouri – *Endoscopic PEG-J to Treat SMA Syndrome*, 2000.
- Ostomy Association of America, St. Louis, Missouri – *Medical Therapy for Inflammatory Bowel Disease*, 2000.
- Barnes-Jewish Hospital Colorectal Surgery Conference, St. Louis, Missouri – *Management of Severe Pseudomembranous Colitis*, 2002.
- Barnes-Jewish Hospital G.I. and Surgery Conference, St. Louis, Missouri – *Pseudomembranous Colitis Treatment*, 2002.
- St. Louis Medical Society, St. Louis, Missouri – *Collagenous Colitis; New Endoscopic Changes*, 2002.
- Washington University Department of Urology Grand Rounds, St. Louis, Missouri - *The role of the gut in interstitial cystitis*, 2006.
- The role of small intestinal bacterial overgrowth in irritable bowel syndrome and other disorders – 2005-2007*: St. Louis, MO (5); Raleigh, SC; Monterey, CA; Oakland, CA; Kansas City, MO; Topeka, KS (2); Indianapolis, IN; Columbus, OH; Columbia, MO; Columbus, OH; Des Moines, IA; Davenport, IA; Cedar Rapids, IA; Omaha, NE; Lexington, KY; Louisville, KY; Padukah, KY; New York City, NY, Madison, WI, Hillsboro, IL; Cincinnati, OH
- Co-moderator, Educational symposium: *Diarrheal illnesses and controversies*; St. Louis University, 2006.
- Washington University Department of Colorectal Surgery, St. Louis, Missouri - *Role of small intestinal bacterial overgrowth*, 2006.
- Washington University Student Health Physicians Conference, *New concepts in irritable bowel syndrome diagnosis and treatment*, 2007.
- American College of Physicians at the Missouri State Medical Association Annual Meeting, Kansas City, Missouri - *New concepts in irritable bowel syndrome diagnosis and treatment*, 2007.
- Washington University Department of Obstetrics and Gynecology, St. Louis, Missouri – *Gastrointestinal disorders in OB/GYN*, 2008.
- Washington University Student Health Physicians Conference, *Restless legs syndrome*, 2009.
- Third Congress of Sleep Medicine, Sao Paulo, Brazil, *Double blind, placebo controlled study of rifaximin in idiopathic restless legs syndrome*, 2009
- Washington University Student Health Physicians Conference, *Eosinophilic esophagitis*, 2010.

Washington University Student Health Physicians Conference, *Refractory GERD*, 2010.
Washington University G.I. Clinical Conference, St. Louis, Missouri – *Rosacea in gastrointestinal disorders*, 2010.
Washington University G.I. Division Grand Rounds, St. Louis, Missouri – *Restless legs syndrome in gastrointestinal disorders*, 2010.
Washington University Division of Pain Management, St. Louis, Missouri – *New issues in the management of constipation*, 2010.
Washington University Student Health Physicians Conference, St. Louis, Missouri – *Management of constipation*, 2010.
Annual GI Endoscopy Nurses Meeting: GSGNA Spring Seminar - *Role of small intestinal bacterial overgrowth in Syndromes*, 2011.
Specialists in Gastroenterology PA Fall CME Seminar. *Irritable bowel syndrome*, 2012
Specialists in Gastroenterology PA/NP Fall CME Seminar. *Constipation: top to bottom approach*, 2013.
Missouri Baptist Grand Rounds. *Small intestinal bacterial overgrowth: a new approach to IBS, rosacea and restless legs syndrome*, 2013.
International Rosacea Study Group, Bordeaux, France. *Rosacea and Gastrointestinal Diseases. Focus on inflammation and dysbiosis*, 2013.
SGNA 2015 yearly meeting, *How can we control inflammation in diseases?*
Small Intestinal Bacterial Overgrowth Symposium, Portland, Oregon. 1) *SIBO and associated diseases*. 2) *Naltrexone*. 2014; 2015; 2016
Low Dose Naltrexone Conference 2016 – RLS, UC, Sarcoidosis
6th International Dermatology Conference

VIDEO and AUDIO RECORDINGS

2001	<i>Irritable Bowel Syndrome: Guide to Treatment</i>
2010	<i>Rosacea: New Hope for Patients</i>
2010	<i>The Rosacea Gut Link</i>

TELEVISION, VIDEO, RADIO APPEARANCES AND INTERVIEWS

1991	<i>Peptic Ulcer Disease Symposium</i> KPLR News, St. Louis, Missouri
1998	<i>Colon Cancer Screening</i> Channel 4 News, St. Louis, Missouri
2000	<i>Colonoscopy and Cancer Screening</i> Channel 4 News, St. Louis, Missouri
2001	<i>Gallbladder Disease</i> Channel 5 News, St. Louis, Missouri
2002	<i>Colon Cancer Screening</i> Channel 4 News, St. Louis, Missouri
2005	<i>Irritable bowel syndrome</i> Channel 5 News, St. Louis, Missouri
2006	<i>Bacterial Overgrowth and Irritable Bowel Syndrome</i> FM 97.1, St. Louis, Missouri
2010	<i>Bacterial Overgrowth, IBS and RLS</i> , Discovery Health, Cable Television
2014	<i>Colon cancer prevention</i> , Sweetie Pies, Oprah-channel

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|------|--|
| 2014 | <i>Low dose naltrexone and RLS</i>
LDNscience.org interview |
| 2016 | <i>Restless Legs Syndrome</i>
Channel 4 News, St. Louis, Missouri |

RESEARCH STUDIES

Active

Pharmaceutical Sponsored and Independent Research with IRB approval

- Compassionate use of Cisapride (USA Cis-154) (Jansen/PRA) 2000-present
 - PI
 - Subjects: 46 screened, 10 failed screening, 36 enrolled, 2 complete, 27 withdrawn, 7 remain active
 - Mid*Lands IRB
- Forest Study for Protocol LIN-10 study of antibodies against linaclotide in the treatment of IBS-C and idiopathic constipation December 2015
 - PI
 - Subjects: 1 screened, _ failed screening, _ enrolled
- SERES study of oral microbiome transplant for recurrent C. difficile 2015
 - PI
 - Subjects: 4 screened, 0 failed screening, 4 enrolled

Completed *Pharmaceutical sponsored with IRB approval*

- Efficacy of Rowasa enemas in the treatment of refractory ulcerative proctitis; Alaven1986
 - Sub-PI – role was to perform flexible sigmoidoscopy
 - Number in study is on file with Alaven (approximately 5)
 - Washington University IRB
- Treatment of irritable bowel syndrome with Alosetron; GlaxoSmithKline 2000
 - PI
 - 6 screened, 6 enrolled, 2 withdrawn, 4 complete
 - IRB on file with GSK
- Treatment of irritable bowel syndrome with rifaximin; Salix RFIB2001; Salix 2006
 - PI
 - 23 screened, 9 failed screening, 16 randomized, 13 withdrawn, 3 complete
 - Chesapeake IRB
- Treatment of irritable bowel syndrome with rifaximin; Salix Target 1 3007; Salix 2008-9
 - PI
 - 33 screened, 7 failed screening, 26 randomized, 1 withdrawn, 25 complete
 - Copernicus IRB
- Treatment of irritable bowel syndrome with Apriso; Salix MGIB2051; Salix 2011
 - PI
 - 15 screened, 5 failed screening, 10 randomized, 10 complete
- Logical OA; LT-NS-001 (Logical Therapeutics) 2009-present

- Sub-PI: responsible for upper endoscopy
 - Subjects – few remain active; rest complete
 - Quorum IRB
- Aspirin-omeprazole study; Pozen/ PA 32540-301 (Pozen) 2009-present
 - Sub-PI: responsible for upper endoscopy
 - Subjects – few remain active; rest complete
 - Schulman IRB
- Treatment of ulcerative proctitis with budesonide foam; BUCF 3001(Salix) 2009-present
 - PI
 - 2 screened, 2 failed
 - Chesapeake IRB
- Techniques in colonoscopy: role of body positioning
 - Sub-PI
 - Washington University IRB and Missouri University at Columbia IRB
- Development of a control group in the general population for lactulose breath testing (Independent investigator initiated; Support from Salix) – 2010
 - PI
 - Sterling IRB
- Furiex – opioid treatment of IBS – Eluxadoline - MuDelta 2013-2014
 - PI
 - Subjects: 25 screened, 15 failed screening, 10 enrolled, 10 complete
- Citus – Hemorrhoid cream treatments 2015
 - PI
 - Subjects: 50 screened, 15 failed screening, 35 enrolled, 35 complete
- Salix – Target 3 long-term treatment of IBS with rifaximin 2013-2014
 - PI
 - 79 screened, 32 failed screening, 52 enrolled, 17 randomized to long-term treatment, 36 early termination
- Seldar – short-term treatment of IBS with Bombesin inhibitor 2013-2014
 - PI
 - Subjects: 20 screened, 10 failed screening, 6 enrolled
- SK Life Science Study for Protocol YKP10811C006 – randomized control study of chronic constipation 2014
 - PI
 - Subjects: 3 screened, 0 failed screening, 3 enrolled
- Forest Study for Protocol LIN-40 – randomized control study of opioid induced constipation 2014
 - PI
 - Subjects: 2 screened, 0 failed screening, 2 enrolled

Basic science with IRB approval

- Development of radioimmunoassay for rat testosterone. Department of Pharmacology, University of Vermont. Grant from Vermont Cancer Center 1976-7
 - Sub-PI

- Stored rat serum was used for lab work – development of an assay
- University of Vermont IRB
- Investigation of factors effecting nephrotoxicity induced by Gentamicin. University of Vermont Medical School. 1977-1978
 - Sub-PI
 - Use of rats were used for lab work
 - University of Vermont IRB

Basic science without IRB involvement

- Synthesis of a new anti-parasitic medication. Organic Chemistry Department of Vermont. 1975-1976

Investigator initiated with IRB approval

- Open label treatment of restless legs syndrome with rifaximin (Salix) 2007-8
 - PI
 - Subjects: 20 screened, 6 failed screening, 14 enrolled, 14 complete
 - Sterling IRB
- Double blind treatment of restless legs syndrome with rifaximin (Salix supported) 2007-8
 - PI
 - Subjects: 39 screened, 9 failed screening, 30 enrolled, 30 complete
 - Sterling IRB
- Open label treatment of type III chronic prostatitis with rifaximin (Salix supported) 2007-9
 - PI
 - Subjects: 16 screened, 2 failed screening, 14 enrolled, 13 complete, 1 withdrawn
 - Sterling IRB
- Open label treatment of interstitial cystitis with rifaximin (Salix supported) 2007-9
 - PI
 - Subjects: 39 screened, 9 failed screening, 30 enrolled, 30 complete
 - Sterling IRB

Government sponsored with IRB approval

- Compassionate use program of cisapride (Janssen) 1988
 - PI
 - Approximately 10 enrolled
 - IRB data in Janssen files
- NIH Prostate, Lung, Colon, and Ovary Cancer Study – co-investigator 1993-2006
 - Sub-Pi: responsible for local flexible Sigmoidoscopy
 - Washington University IRB
- Colonic polyp detection with spiral CT colonography – polyp evaluation 1996-2000
 - Sub-Pi: responsible for colonoscopy
 - Washington University IRB
- Colonic polyp detection with spiral CT colonography – screening 2000
 - Sub-Pi: responsible for colonoscopy
 - Washington University IRB

PROFESSIONAL SOCIETIES AND MEDICAL ASSOCIATIONS

American Society of Gastrointestinal Endoscopy	1989-Present
St. Louis Endoscopy Society	1989-2005
Crohn's and Colitis Foundation of America	1990-Present
St. Louis Metropolitan Medical Society	1993-2003
American College of Gastroenterology	1993-Present

PROFESSIONAL SOCIETIES AND COMMITTEE MEMBERSHIP

Associates in Medicine Board	1993-1996
Barnes-Jewish Endoscopy Quality Assurance	1994-1996
Bloodless Surgery & Medical Center	1995-1997
Ambassadors in Medicine Board (AIM)	1996-1997
Barnes-Jewish West County Hospital Credentials	1996-1999
G.I. Fellowship Teaching Advisory Board	1996-1999
G.I. Center Steering Committee	1997-1998
G.I. Clinical Effectiveness Committee	1997-1998
G.I. Capitation Committee	1997-1998
Barnes-Jewish West County Hospital – Quality Assessment Advisory Council	2000-2003
Washington University Physician's Network Committee	2000-2001