

# Brennan M.R. Spiegel, MD, MSHS, FACP, AGAF

## *Curriculum Vitae*

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Last Updated: July 26<sup>th</sup> 2016

### PERSONAL HISTORY

**Business Address:** Cedars-Sinai Center for Outcomes Research and Education (CS-CORE)

116 North Robertson Blvd

4<sup>th</sup> Floor Suite

Los Angeles, California 90048

Personal Email: [brennan.spiegel@cshs.org](mailto:brennan.spiegel@cshs.org)

CS-CORE Website: <http://www.cedars-sinai.edu/Research/Research-Areas/CORE/index.aspx>

### Staff Contact Information:

#### Administrative contacts

Kathy Oka ([kathy.oka@cshs.org](mailto:kathy.oka@cshs.org))

Taylor Dupuy ([taylor.dupuy@cshs.org](mailto:taylor.dupuy@cshs.org))

#### Research Team:

Jennifer Talley ([jennifer.soares@cshs.org](mailto:jennifer.soares@cshs.org))

Michelle Keller ([michelle.keller@cshs.org](mailto:michelle.keller@cshs.org))

Mark Reid ([Mark.Reid@cshs.org](mailto:Mark.Reid@cshs.org))

Garth Fuller ([garth.fuller@cshs.org](mailto:garth.fuller@cshs.org))

### EDUCATION

1990 - 1994

**Tufts University**, Medford, Massachusetts

- BA in **Philosophy**, *cum laude*, May 1994
- Certificate in **Community Health**, May 1994

1994 - 1998

**New York Medical College**, Valhalla, New York

- **MD Degree**, *Alpha Omega Alpha*, May 1998

1998 – 2001

Resident, Department of Medicine, **Cedars-Sinai Medical Center**, Los Angeles, California

2001 – 2004

Fellow, **UCLA Training Program in Digestive Diseases**

2002 – 2004

**University of California Los Angeles School of Public Health**

- Masters Degree in Health Services - **MSHS**

## LICENSURE / BOARD CERTIFICATION

National Board of Medical Examiners I, II, III	1996, 1997, 2000
Medical Board of California	License #A70587
ABIM Gastroenterology Certification	October 2004 (valid through 10/2024)

## POSITIONS AND PROFESSIONAL EXPERIENCE

- 1998 - 2000 *Research Associate, Cedars-Sinai Medical Center, Departments of Gastroenterology and Health Services Research, Los Angeles, California.*
- 1999 - 2004 *Research Consultant, Zynx Health Incorporated, Beverly Hills, California.*
- 2001 - 2004 *Research Fellow, Center for the Study of Digestive Healthcare Quality and Outcomes, Los Angeles, California.*
- 2002 - 2004 *Research Fellow, Center for Neurovisceral Sciences and Women's Health, Los Angeles, California.*
- 2004 – 2005 *Co-Director, Center for the Study of Digestive Healthcare Quality and Outcomes, Los Angeles, California.*
- 2004 - 2010 *Assistant Professor In-Residence, David Geffen School of Medicine at UCLA, Department of Medicine, Division of Digestive Diseases.*
- 2005 – 2009 *Co-Director, Health Outcomes Core, Center for Neurovisceral Sciences and Women's Health, Los Angeles, California.*
- 2005–Present *Director, UCLA/VA Center for Outcomes Research and Education (CORE), Los Angeles, California. ([www.ResearchCORE.org](http://www.ResearchCORE.org))*
- 2005–Present *Section Chief, Outcomes Research, UCLA Division of Digestive Diseases*
- 2007–Present *Adjunct Faculty, UCLA School of Public Health, Department of Health Services Research*
- 2008–Present *Section Chief, Education and Training, UCLA Division of Digestive Diseases*
- 2008–2013 *Director, UCLA Gastroenterology Fellowship Program.*
- 2010-Present *Associate Professor In-Residence, Step II, David Geffen School of Medicine at UCLA, Department of Medicine, Division of Digestive Diseases*
- 2014-Present *Professor of Medicine and Public Health in Residence, Step I, David Geffen School of Medicine at UCLA, Department of Medicine, Division of Digestive Diseases*
- 2014-Present *Director, Health Services Research, Cedars-Sinai Health System*
- 2015-Present *Professor of Medicine, Cedars-Sinai Medical Center*
- 2015-Present *Co-Editor-in-Chief, American Journal of Gastroenterology (beginning October 2015)*
- 2015-Present *Site Director, UCLA/Cedars-Sinai CTSI grant*

## **METHODOLOGICAL RESEARCH SKILLS**

Biostatistics (proficient in STATA)  
 Budget impact modeling  
 Clinical trial design  
 Conjoint analysis  
 Comparative effectiveness research (CER) techniques  
 Database analysis  
 Digital health research  
 Decision analysis / cost-effectiveness analysis (proficient in TreeAge)  
 Meta-analysis and systematic review  
 Mobile health application development  
 Patient-provider-portal development / electronic health records  
 Quality indicator development / RAND Appropriateness panels  
 Psychometrics / patient reported outcomes / health related quality of life (HRQOL) measurement  
 Social media research / Digital ethnography  
 Survey design and administration

## **PROFESSIONAL ACTIVITIES**

### **PROFESSIONAL ASSOCIATIONS / SCHOLARY SOCIETIES / MEMBERSHIPS**

1994 American Medical Association  
 1994 Golden Key National Honors Society  
 1998 Alpha Omega Alpha National Medical Honors Society  
 2001 American Gastroenterological Association (AGA)  
 2002 Society for Medical Decision Making  
 2002 Gastroenterology Research Group (GRG)  
 2003 Center for Neurobiology of Stress  
 2003 Functional Brain-Gut Research Group  
 2004 CURE Digestive Diseases Research Center  
 2005 American Society for Gastrointestinal Endoscopy (ASGE)  
 2006 Member, American College of Gastroenterology (ACG)  
 2006 Rome Committee on Functional Gastrointestinal Disorders  
 2008 Fellow, American College of Gastroenterology (FACG)  
 2010 American Neurogastroenterology and Motility Society (ANMS)  
 2012 Fellow, American Gastroenterological Association (AGAF)  
 2012 Board of Directors, American College of Gastroenterology Research Institute  
 2013 Fellow, Rome Foundation (RFF)  
 2015 Board of Directors, American College of Gastroenterology

**EDITORIAL POSITIONS**

- 2008 – Present **Clinical Gastroenterology and Hepatology**, Member, Advisory Board of Editors  
 2009 – 2015 **American Journal of Gastroenterology**, Associate Editor  
 2009 – Present **Alimentary Pharmacology & Therapeutics (APT)**, Member, Editorial Board  
 2015 – 2017 **American Journal of Gastroenterology**, Co-Editor-in-Chief

**AD HOC REVIEWER**

Annals of Internal Medicine  
 Alimentary Pharmacology and Therapeutics  
 American Journal of Gastroenterology  
 Clinical and Translational Gastroenterology  
 Clinical Gastroenterology and Hepatology  
 Digestive Diseases and Sciences  
 Evidence-Based Gastroenterology  
 Gastroenterology  
 Gastrointestinal Endoscopy  
 Gut  
 Hemodialysis International  
 Hepatology  
 International Journal for Quality in Health Care  
 Journal of the American Medical Association (JAMA)  
 Journal of the American Society of Nephrology (JASN)  
 Journal of Clinical Gastroenterology  
 Medical Decision Making  
 New England Journal of medicine  
 Pharmacoepidemiology  
 Quality of Life Research  
 Scandinavian Journal of Rheumatology  
 Value in Health

**GRANT REVIEW COMMITTEES**

- 2005 VA Rehabilitation R&D Merit Review Committee  
 2009 – 2015 American College of Gastroenterology Research Committee (Annual)  
 2011 – 2015 Chairman, American College of Gastroenterology Research Committee (\$1.2 million annual research budget)  
 2013 VA Health Services Research and Development (HSR&D) Career Development Award (CDA) ad hoc reviewer  
 2014 VA HSR&D Merit Award ad hoc reviewer  
 2015 NIAMS U01 study section reviewer

**ABSTRACT REVIEW COMMITTEES**

- 2005 VA HSR&D Meeting – Abstract Review Committee
- 2006 Digestive Disease Week – Abstract Review Committee (epidemiology section)
- 2007 Digestive Disease Week – Abstract Review Committee (cost-effectiveness analysis section)
- 2008 Digestive Disease Week – Abstract Review Committee (cost-effectiveness analysis section)
- 2009 Digestive Disease Week – Abstract Review Committee (epidemiology section)
- 2009 Digestive Disease Week – Abstract Review Committee (cost-effectiveness and quality section)
- 2009 Digestive Disease Week – Co-Chair, Clinical Practice Program Planning Committee
- 2010 Digestive Disease Week – Co-Chair, Clinical Practice Program Planning Committee
- 2015 Digestive Disease Week – Abstract Review Committee (patient reported outcomes research)

**EDUCATIONAL / ACADEMIC COMMITTEES**

- 2005-2010 Council Member, Southern California Society of Gastroenterology
- 2006-2010 AGA Clinical Practice Section Program Planning Sub-Committee
- 2006-2011 UCLA Department of Medicine Morbidity and Mortality Committee
- 2006-2013 UCLA Training Program in Gastroenterology – Chair, Curriculum Action Committee
- 2006-2013 UCLA Training Program in Gastroenterology – Chair, Admissions Committee
- 2008-2011 Member, CURE Digestive Diseases Research Center annual meeting committee
- 2008-2011 Member, CURE Digestive Disease Research Center Board of Directors
- 2008-Present Member, Rome Committee for Severity Measurement in Functional GI Disorders
- 2008-Present Chairman, Rome Committee for Outcome Assessment in Functional GI Disorders
- 2011-Present Member, Rome IV Committee for functional GI diagnostic criteria
- 2011-Present Council Member, American Neurogastroenterology and Motility Society (ANMS)
- 2013 Chair, Digestive Disease Week Clinical Practice Section Planning Committee
- 2013 Co-Chair, ANMS Young Investigators Workshop
- 2014-Present Cedars-Sinai Clinical Scholars Program, Committee Member
- 2016 UCLA / Cedars-Sinai Clinical and Translational Science Institute (CTSI) Council

**MEDICAL SCHOOL CLASSES & LECTURE SERIES TAUGHT**

- 2005-2014 UCLA Gastroenterology Fellowship Program – Health Services Core Lecture Series
- 2005-2006 Second Year Problem Based Learning (PBL) Block 7 – PBL Group Leader
- 2006 Second Year Lecture Block 7 – Invited Lecturer
- 2006-2008 Cedars-Sinai / VA Medicine Program – Core Lecture Series in GI (12 part series, 2006-2007; 2007-2008)
- Winter 2007 Second Year Lecture Block 7 – Lecturer

2007-2009	Course Co-Director, Gastroenterology Research Group (GRG) Annual Conference in Methodologies in Outcomes Research
2007-Present	Health Services 239A (Decision Analysis and Cost-Effectiveness Analysis) –UCLA Fielding School of Public Health (Course Director)
2008-Present	Health Services 239B (Advanced Topics in Decision Analysis and Cost-Effectiveness Analysis) –UCLA Fielding School of Public Health (Course Co-Instructor)
2013	Course Co-Director, International Foundation for Functional GI Disorders (IFFGD) Annual Conference in Functional GI Disorders
2013	Course Director, American Gastroenterological Association (AGA) Annual Postgraduate Course (3,000 attendees)
2014 – Present	Health Service 441 (Health Analytics: Identifying, Collecting, and Analyzing Big Data in Healthcare) – UCLA Fielding School of Public Health (Course Director)
2014 – Present	Co-Director, Health Services Research Lecture Series, Cedars-Sinai Medical Center
2015 – Present	Co-Director, Cedars-Sinai “Aging the GI Boards” annual review course

### **VISITING PROFESSORSHIPS**

October 2005	University of Manitoba Department of Gastroenterology, Winnipeg, Canada
October 2006	Case Western Reserve University Department of Gastroenterology, Cleveland, OH
October 2006	Northwestern University Department of Gastroenterology, Chicago, IL
October 2006	University of Illinois Chicago Department of Gastroenterology, Chicago IL
April 2009	University of Miami Department of Gastroenterology, Miami, FL
July 2009	University of North Carolina Department of Gastroenterology, Chapel Hill, NC
March 2010	Baylor University, Houston, TX
October 2010	Radboud University Nijmegen Medical Center, The Netherlands
Dec 2010	Vanderbilt University, Nashville, TN
August 2011	University of Chicago Department of Gastroenterology, Chicago, IL
January 2012	University of Manitoba Department of Gastroenterology, Winnipeg, Canada
April 2012	University of Michigan Department of Gastroenterology, Ann Arbor, MI
Dec 2013	MetroHealth / Case Western, Cleveland, OH
January 2014	Mayo Clinic, Scottsdale Department of Gastroenterology
March 2015	University of Pennsylvania Department of Gastroenterology
June 2015	Oregon Health Sciences University Department of Gastroenterology, Portland, OR
Sep 2015	University of Alabama Birmingham (UAB) Department of Rheumatology
Oct 2015	University of Indiana Department of Gastroenterology, Indianapolis, ID
Jan 2016	Mt. Sinai Medical Center Department of Gastroenterology, NY, NY
Feb 2016	University of Colorado Department of Gastroenterology, Denver, CO
Feb 2016	Northwestern University Department of Gastroenterology, Chicago, IL
Feb 2016	St. Joseph Medical Center Department of Gastroenterology, Phoenix, AZ
March 2016	University of Texas, Houston, Department of Gastroenterology
August 2016	Baylor University Department of Gastroenterology

## HOSPITAL STAFF APPOINTMENTS

- 2004 – Present West Los Angeles VA Medical Center
- 2004 – 2012 UCLA Ronald Reagan Medical Center
- 2004 – 2012 Santa-Monica / UCLA Hospital
- 2014 – Present Cedars-Sinai Medical Center

## CONSULTING ACTIVITIES

- 2008 Appointed to the United States **Food and Drug Administration (FDA)** Gastroenterology Field Advisory Board – standing member
- 2008 Participant of **Rome Foundation** Food and Drug Administration liaison group
- 2008 Member, Vienna International Consensus Committee for Nonvariceal Upper Gastrointestinal Tract Hemorrhage
- 2008 Member, American College of Gastroenterology Working Group in Irritable Bowel Syndrome (IBS Guideline writing committee for ACG)
- 2008-2011 Participated in **International Foundation for Functional Gastrointestinal Disorder (IFFGD)** Annual Congressional Hill Day – interfaced with Senatorial and Congressional staffers to raise awareness about unmet needs in NIH and VA funding for digestive diseases
- 2011-Present Advisory Panelist for Ironwood Pharmaceuticals
- 2010-2012 Advisory Panelist for Prometheus Pharmaceuticals
- Nov 2011 Advisor, FDA Panel regarding rifaximin usage in irritable bowel syndrome.
- Nov 2011 Advisor, FDA Panel regarding serotonergic promotility agents for functional GI disorders.
- 2011-2014 Member, Critical Path Institute (C-Path) FDA Irritable Bowel Syndrome (IBS) Working Group.
- 2012 Advisory Panelist for ONO Pharmaceuticals
- 2012 Advisor, Ritter Pharmaceuticals
- 2013 FDA Mock Advisory Panel for Vadelizumab, Takeda Pharmaceuticals
- 2013 FDA Mock Advisory Panel for “V-Block” obesity management device
- 2013 Advisory Panelist, American Gastroenterological Association Center for GI Innovation and Technology (CGIT)
- 2014 Advisory Panelist for Salix Pharmaceuticals
- 2014 Moderator of Advisory Panel for Shire Pharmaceuticals
- 2014 Advisory Panelist for Janssen Pharmaceuticals
- 2014, 2016 Advisory Panelist for Ironwood Pharmaceuticals
- 2015 Advisory Panelist for Commonwealth Laboratories
- 2015, 2016 Advisory Panelist for Synergy Pharmaceuticals
- 2015, 2016 Advisory Panelist for Allergan
- 2015 Advisory Panelist for Valeant Pharmaceuticals
- 2016 Advisory Panelist for IM Health Science

**SELECTED MENTEES**

- 2003-2004 **Vincent DeRosa, MD:** Residency research mentor. Currently GI in private practice in Santa Barbara, California.
- 2003-2006 **Eric Esrailian, MD, MPH:** Mentor for MPH program and MPH thesis. Dr. Esrailian is now Co-Chief of the UCLA Division of Digestive Diseases.
- 2003-2007 **Mary Farid, DO:** Residency and Fellowship research mentor. Currently on faculty at UCLA.
- 2004-2005 **Gary Chen, MD:** Residency research mentor. Currently GI in private practice in Las Vegas, NV.
- 2004-2005 **Neel Mann, DO:** Residency research mentor. Currently GI faculty at Cedars-Sinai Medical Center.
- 2004-2005 **Jennifer Tan, MD:** Residency research mentor. Currently in GI practice in Kaiser Southern California system.
- 2004-2007 **Martijn van Oijen, MD, PhD:** PhD thesis mentor through University of Nijmegen, The Netherlands. Dr. van Oijen is now on faculty in Utrecht University, The Netherlands.
- 2004-2008 **Inder Singh, MD:** Residency research mentor. Currently faculty member at Harbor-UCLA Medical Center.
- 2005-2006 **Gil Melmed, MD:** Fellowship research mentor. Currently on faculty at Cedars-Sinai Medical Center.
- 2005-2007 **Eduard Huang, MD:** Residency research mentor. Currently GI research fellow at Brigham and Women's Hospital.
- 2005-2007 **Matthew Solomon, MD, PhD:** Medical School and Residency research mentor. Completed PhD in Health Services at RAND. Currently cardiologist in Kaiser Northern California with clinical research focus.
- 2006-2007 **Benjamin Weinberg, MD:** Fellowship research mentor. Currently in private practice in Southern California.
- 2006-2008 **Amy Strickland, MD:** Residency research mentor. Currently in practice in Southern California.
- 2006-2008 **Amar Desai, MD:** Fellowship research mentor. Collaborated with UCSF Department of Nephrology to mentor Dr. Desai, who subsequently took a managed care leadership position upon completion of his fellowship.
- 2007-2009 **Michael Chan, MD:** Residency research mentor. Currently GI fellow at UCSD.
- 2007-2009 **Sundip Karsan, MD:** Residency and Fellowship research mentor. Currently in practice at Kaiser Northern California.



- 2008-2009 **Omid Shaye, MD:** Fellowship research mentor. Completed a Master's Degree in Health Services Research through the UCLA School of Public Health. Currently in private practice in Southern California.
- 2008-2009 **Temitope Foster, MD:** Fellowship research mentor through the UCLA STAR Program. Currently on faculty at Emory University, Atlanta.
- 2009-2012 **Nikhil Agarwal, MD:** Postgraduate research mentor. Currently on faculty at California Pacific Hospital.
- 2010-2011 **Janet Yang, MD:** Fellowship research mentor. Currently in private practice.
- 2010-2011 **Shannon Lewis, MD:** Fellowship research mentor. Currently in practice in Portland, OR
- 2010-2012 **Hank Wang, MD:** Fellowship research mentor. Mentor during Master's Degree in Health Services Research under NIH Training Grant at UCLA. Currently in practice in Kaiser Northern California with research focus.
- 2010-2012 **Navin Paul, MD:** Fellowship research mentor. On academic faculty in North Dakota.
- 2010-Present **Carl Nordstrom, MD:** Residency research mentor. Currently on academic faculty at UCLA
- 2010-Present **Marc Kaneshiro, MD:** Residency research mentor. Currently on academic faculty at UCLA.
- 2010-Present **Michelle Vu, MD:** Residency research mentor. Currently in UCLA GI Fellowship Program.
- 2010-2012 **Andrew Ho, MD:** Residency research mentor. Currently in UCLA GI Fellowship program.
- 2010-Present **Victoria Sheen, MD:** Fellowship research mentor. On faculty at Columbia University.
- 2010-2012 **Nicole Kurzbard, MS4:** Medical student research mentor. Currently resident at UCLA.
- 2010-2012 **Mary Atia:** Residency research mentor. Currently GI Fellow at Mayo.
- 2011-2015 **Rusha Modi, MD:** Postgraduate research mentor. Subsequently obtained MPH from Harvard University School of Public Health. Currently faculty at USC.
- 2011-Present **Garth Fuller, MS:** Currently a PhD candidate in health services research, UCLA.
- 2011-2015t **Folasade May, MD, MPH.** Fellowship research mentor. Currently research faculty at UCLA.
- 2013-2015 **Christopher Almario, MD.** Fellowship research mentor. Currently research faculty and ACG Career Development Awardee at Cedars-Sinai.

## HONORS AND AWARDS

- 1994 **Golden Key** National Honors Society, Tufts University.
- 1995 **New York Medical College** Freshman Research Fellowship.
- 1997 **Alpha Omega Alpha** Honors Medical Society, Iota Chapter.
- 1999 **Leo G. Rigler Award** for academic achievement, presented to “Intern of the Year” at Cedars-Sinai Medical Center.
- 2000 **Solomon Scholars Research Award** for outstanding original research performed during training at a UCLA residency program.
- 2001 **Solomon Scholars Research Award.**
- 2001 **Rubenstein Award** for excellence in resident research at Cedars-Sinai Medical Center.
- 2001 **American College of Physicians-American Society of Internal Medicine** Regional Associates Research Competition - First Place.
- 2001 **American Gastroenterological Association** Student Abstract Prize.
- 2001 **Gastroenterology Research Group** Student Abstract Award.
- 2002 **American College of Gastroenterology** and **Canadian Association of Gastroenterology** Twelfth Annual North American Conference of Gastroenterology Fellows (NACGF) – Outstanding Research Prize.
- 2002 **Center for Ulcer Research and Education (CURE)** annual meeting distinguished abstract.
- 2002 **American Society of Gastrointestinal Endoscopy** Young Investigators’ Conference in Digestive Diseases selected research abstract.
- 2002 **Gastroenterology Research Group** and **American Gastroenterological Association** Fellow Abstract Prize.
- 2003 **American College of Gastroenterology** and **Canadian Association of Gastroenterology** Thirteenth Annual North American Conference of Gastroenterology Fellows (NACGF) – Outstanding Research Prize.
- 2003 **Functional Brain Gut Research Group** Young Investigators’ Forum outstanding research award.
- 2003 **American College of Gastroenterology/AstraZeneca** Senior Fellow Award.
- 2003 **Janssen Research Excellence in Gastroenterology and Liver (REGAL)** Award.
- 2003 **American College of Gastroenterology** and **Canadian Association of Gastroenterology** Fourteenth Annual North American Conference of Gastroenterology Fellows (NACGF) selected research abstract.
- 2004 **CURE Named New Investigator Award.**
- 2004 **Functional Brain Gut Research Group** Young Investigators’ Forum selected research abstract.
- 2004 **American Gastroenterological Association** Distinguished Plenary Abstract (Digestive Disease Week 2004)
- 2004 **VA HSR&D** Research Career Development Award.
- 2004 **AstraZeneca Emerging Leaders in Gastroenterology Award.**
- 2005 Named to National Register’s **Whose Who List of Medical Professionals**®

- 2005 Named to Marquis' **Who's Who in Medicine and Healthcare**®
- 2005 **AGA/FDHN** Outcome Research Award.
- 2005 **ACG** Annual Meeting **Presidential Poster Award**.
- 2005 **UCLA Department of Medicine** Research Day – First Place Award.
- 2006 **CURE 2006 Annual Research Meeting** – Distinguished Research Award.
- 2006 **UCLA Department of Medicine** Research Day – Plenary Abstract Speaker.
- 2007 **American Gastroenterological Association** Distinguished Plenary Abstract (Digestive Disease Week, Washington DC).
- 2007 **International Foundation for Functional Gastrointestinal Disorders (IFFGD)** Distinguished Clinical Investigator Award.
- 2007 Recognized by **Annals of Internal Medicine** as a top 10% quality reviewer for 2006.
- 2008 **American Gastroenterological Association** Clinical Plenary Abstract (Digestive Disease Week, San Diego, CA)
- 2008 Recognized by **Annals of Internal Medicine** as top 10% quality reviewer for 2007.
- 2008 **“Breath of Fresh Air Award”** from the UCLA Fellowship Program in Gastroenterology – Annual award to a faculty member demonstrating enthusiasm and novelty in teaching.
- 2008 Appointed as a **Fellow** of the **American College of Gastroenterology (FACG)**
- 2009 VA Health Services Research and Development (HSR&D) National Meeting Plenary Abstract (Baltimore, MD).
- 2009 Recognized by **Alimentary Pharmacology and Therapeutics** as a top 10% quality reviewer for 2008.
- 2008 Appointed to United States **Food and Drug Administration (FDA)** Gastroenterology Field Advisory Board.
- 2009 Appointed as Council Member of the **American Neurogastroenterology and Motility Society (ANMS)**.
- 2009 One of 8 “Key Leaders” in Gastroenterology to receive the **American College of Gastroenterology** Leadership Training Award.
- 2009 Recognized by **Annals of Internal Medicine** as top 10% quality reviewer for 2008.
- 2010 Recognized by **Annals of Internal Medicine** as top 10% quality reviewer for 2009.
- 2011 Recognized by **Annals of Internal Medicine** as top 10% quality reviewer for 2010.
- 2011 Selected to present in **Presidential Plenary Session** for Digestive Disease Week, 2011
- 2011 Selected by President of the American Gastroenterological Association (AGA) to **Direct the 2013 Annual AGA Postgraduate Course**, the largest CME course in GI.
- 2012 Appointed as a **Fellow** of the **American Gastroenterological Association (AGA)**.
- 2013 Appointed as a **Fellow** of the Rome Foundation for Functional GI Disorders.
- 2013 Selected to present in the **American College of Gastroenterology** postgraduate course
- 2014 Appointed as member of **American College of Gastroenterology** guidelines on the management of irritable bowel syndrome.
- 2015 Selected to present in the **American Gastroenterological Association** postgraduate course.

- 2015 Selected to present in the **American College of Gastroenterology** postgraduate course
- 2015 Appointed as Lead Editor for the **American College of Gastroenterology** guideline on the management of diverticular diseases.
- 2015 Named American Journal of Gastroenterology Keynote Speaker for **American College of Gastroenterology** 2015 Annual Meeting.
- 2015 Named Co-Editor-in-Chief of **American Journal of Gastroenterology**.
- 2016 Named in Top 100 Digital Health Influencers in the World by Onalytica (#13)
- 2016 Named in Top 100 Virtual Reality Influencers in the World by Onalytica (#14)

## RESEARCH GRANTS

### INACTIVE GRANTS

1. **NIH Training Grant Award DK-07180** 7/1/02 – 6/30/04  
 “Cost Effectiveness of Diagnostic Tests in Irritable Bowel Syndrome”  
 \$141,000  
 Principal Investigator  
  
 The major goals of this project were to estimate the cost-effectiveness of sequential diagnostic testing in irritable bowel syndrome.
2. **TAP Pharmaceutical Investigator Initiated Research Grant** 6/1/04 – 10/31/04  
 “Comparing rates of dyspepsia in competing NSAID-based strategies for chronic pain disorders: a systematic review and meta-analysis of clinical trial data.”  
 \$22,260  
 Principal Investigator  
  
 This project was a meta-analysis to compare rates of dyspepsia in three competing NSAID based strategies: (1) non-selective NSAID alone, (2) non-selective NSAID + proton pump inhibitor, and (3) cox-2 selective inhibitor alone.
3. **Janssen / Eisai Pharmaceutica Investigator Initiated Research Grant** 6/1/04 – 12/1/04  
 “The cost-effectiveness of intravenous *versus* oral proton pump inhibitor therapy in the management of peptic ulcer hemorrhage: a decision analysis.”  
 \$35,999  
 Principal Investigator  
  
 This project measured the potential cost-effectiveness of intravenous *versus* oral proton pump inhibitor therapy in the post-hemostasis management of high-risk peptic ulcer hemorrhage. Measurements were derived from a computerized decision analysis.
4. **CURE Named New Investigator Award** 7/1/04 – 6/30/05  
 “Health-Related Quality of Life in Irritable Bowel Syndrome”  
 \$50,000  
 Principal Investigator
5. **CURE Pilot and Feasibility Research Award**

7/1/04 – 6/30/05

“Measuring the Reliability of a Concise Extraintestinal Symptom Questionnaire in Irritable Bowel Syndrome”  
 \$17,550  
 Principal Investigator

6. **American College of Gastroenterology Clinical Research Grant** 7/1/04 – 12/31/06

“Prospective Validation of a Concise Extraintestinal Symptom Questionnaire in Irritable Bowel Syndrome: the IBS-ESQ”  
 \$14,350  
 Principal Investigator

7. **VA HSR&D Entry-Level Research Career Development Award** RCD 03-179-2 7/1/04 – 6/30/07  
 25% Effort

“The Impact of a Model Physician-Patient Relationship in Irritable Bowel Syndrome”  
 \$399,000  
 Principal Investigator

This project tests the effectiveness of a multifactorial intervention aimed at improving the physician-patient relationship *versus* usual care in the management of irritable bowel syndrome.

8. **1 R24 AT002681 – NCCAM** 2004-2009  
 5% Effort

“Mind/Brain/Body Interactions in Stress-Related Disorders”  
 \$781,703 (Annual Direct)  
 Co-Investigator, Health Outcomes Core Co-Director (PI=Emeran Mayer, MD)

The goal of this infrastructure grant is to develop 4 research cores (Health Outcomes, Neuroimaging, Animal Models, Psychophysiology and Pain Assessment) to provide novel, cutting edge expertise and technologies to UCLA investigators interested in the study of mind brain body interactions. After the full build up of the cores, there will be a Pilot and Feasibility program for years 3-5 of the grant with 4 annual awards. These projects will utilize the resources of the cores as well as the expertise of the involved faculty. In addition, a career development program in form of a Named New Investigator award is included, as well as several developmental and public infrastructure components.

9. **AGA Foundation Outcomes Research Award** 7/1/05 – 12/31/06  
 10% Effort

“The Effectiveness of an Evidence-Based Pharmacy Sentinel System to Increase the Appropriate Use of PPI Co-Therapy in Chronic NSAID Users: A Randomized Controlled Trial.”  
 \$35,000  
 Principal Investigator

10. **Novartis Pharma AG, Investigator Initiated Research Grant** 7/1/05 – 12/31/06  
 10% Effort

“Development and Validation of a Disease-Targeted Health-Related Quality of Life Instrument in Chronic Hepatitis B Infection: The HBQOL v1.0”  
 \$108,350  
 Principal Investigator

The goal of this project is to develop and validate the first disease-targeted measure of health related quality of life in chronic hepatitis B.

11. **Johnson and Johnson / Ethicon Investigator Initiated Research Grant** 9/1/05 – 1/31/06  
 “The budget impact of screening for esophageal varices with capsule endoscopy.”  
 \$55,579  
 Principal Investigator
12. **Amgen Pharmaceuticals, Investigator Initiated Research Grant** 11/1/05 – 12/31/06  
 “The cost-effectiveness of competing immunomodulatory therapies in psoriasis”  
 \$56,000  
 Principal Investigator
13. **Amgen Pharmaceuticals, Investigator Initiated Research Grant** 11/1/05 – 12/31/06  
 “The impact of chronic kidney disease on health related quality of life: a systematic review and quantitative assessment.”  
 \$76,650  
 Principal Investigator
14. **Amgen Pharmaceuticals, Investigator Initiated Research Grant** 4/17/06 – 6/31/09  
 10% Effort  
 “Identifying Best Practices in Dialysis.”  
 \$663,000  
 Principal Investigator

The goal of this project is to identify practices, policies, and procedures in dialysis facilities that improve survival in patients undergoing dialysis for chronic kidney disease.

15. **AstraZeneca, Investigator Initiated Research Grant** 8/1/06 – 4/31/07  
 10% Effort  
 “Evaluating Provider Knowledge, Attitudes and Beliefs About PPI Therapy in NVUGIH: A National Vignette Survey of Gastroenterologists”  
 \$39,848  
 Principal Investigator

The goal of this project is to measure the current process of care in nonvariceal upper GI hemorrhage, and to understand provider knowledge, attitudes, and beliefs about using PPI therapy for GI bleeding.

16. **Procter and Gamble, Investigator Initiated Research Grant** 8/1/06 – 6/30/07  
 10% Effort  
 “Evaluating Provider Knowledge, Attitudes and Beliefs in Ulcerative Colitis: A National Vignette Survey of Gastroenterologists”  
 \$89,283  
 Principal Investigator

The goal of this project is to measure the current process of care in ulcerative colitis, and to understand provider knowledge, attitudes, and beliefs about using 5-ASA therapy, in particular, in ulcerative colitis.

17. **Amgen Pharmaceuticals, Investigator Initiated Research Grant** 11/1/06 – 12/31/06

“The Effect of Proposed Changes in Reimbursement for Dialysis Services on Small Dialysis Organizations: A Pilot Study”

\$95,000

Principal Investigator

18. **TAP Pharmaceutical Investigator Initiated Research Grant** 1/1/07 – 8/1/07

10% Effort

“Evaluating Provider Knowledge, Attitudes and Beliefs in Dyspepsia Management: A National Vignette Survey of Gastroenterologists”

\$95,301

Principal Investigator

The goal of this project is to measure the current process of care in dyspepsia, and to understand provider knowledge, attitudes, and beliefs about using PPI and H. pylori therapy, in particular, in dyspepsia.

19. **Novartis Pharmaceutical** 1/1/07 – 7/31/08

5% Effort

“A Randomized, Double-Blind, Placebo-Controlled Multicenter Phase II/III Study to Evaluate the Efficacy and Safety of Tegaserod and Placebo Given Orally for the Treatment of Opioid Induced Gastrointestinal Dysfunction in Patients with Chronic Non-Cancer Pain.”

\$135,793

Principal Investigator

20. **VA HSR&D Career Development Transition Award (CDTA) RCD 03-179-2** 7/1/07 – 6/30/09

25% Effort

“Reducing Inappropriate Over- and Under-Use of PPI Therapy in NSAID Users”

\$238,300

Principal Investigator

This project tested the effectiveness of a computer-reminder to improve compliance with guidelines regarding the use of PPI therapy in chronic NSAID users.

21. **Bristol Myers Squibb Virology Fellows Research Training Program** 6/1/08 – 6/31/09

5% Effort

“Are high risk individuals being appropriate screening for hepatitis B? A survey of physicians’ knowledge, attitudes, and beliefs of recently updated CDC guidelines, and in-depth evaluation of screening practices in the Veterans’ Affairs Healthcare System”

\$19,600

Co-Principal Investigator

The goal of this project is to measure the current process of care in HBV vaccination, and to understand provider knowledge, attitudes, and beliefs about using appropriate use of HBV vaccination in high risk patients.

22. **Takeda Pharmaceuticals, Investigator Initiated Research Grant** 9/1/09 – 8/31/10

10% Effort

“IBS Patient Reported Observed Outcomes and Function (PROOF)”

\$215,000

Principal Investigator

The goal of this project is to measure patient reported outcomes in IBS using a multi-center online patient registry.

23. **VA HSR&D Merit Award** 2009-2012  
 “Impact of a Novel Patient Educational Booklet on Achievement of Quality Indicators in Screening Colonoscopy”  
 \$689,166  
 Principal Investigator
- This is a 12-month, randomized, controlled trial within an integrated VA healthcare network to compare colonoscopy quality in a group of patients exposed to a novel educational booklet vs. a control group not exposed to the booklet. The primary outcome is be photo-documented bowel prep quality. Secondary outcomes include adherence with key quality indicators, including polyp detection and completed examination rates, along with measuring resource utilization and patient satisfaction. We hypothesize that the intervention, which is based on the Health Belief Model, will improve polyp detection and reduce incomplete exams by improving patient preparation for the test. These benefits will occur while reducing the need for repeated examinations, and thus will save costs compared to the usual practice control group.
24. **Shire Pharmaceuticals** 2010-2013  
 “Measuring the Process and Outcomes of Care in Colonic Diverticulitis: Development of a Health Services Database”  
 \$895,441  
 Principal Investigator
- This study will develop a detailed, longitudinal, health services database of colonic diverticulitis process and outcomes of care. It will be used to calculate the incidence of acute diverticulitis over time in patients found to have diverticulosis on screening colonoscopy, and to develop and validate a clinical risk calculator that accurately predicts future attacks of acute diverticulitis in patients with diverticulosis. It will be further used to describe clinical outcomes of acute diverticulitis attacks in the Veteran Affairs health system, including length of stay, surgery, transfusion requirements, and mortality. We will use the database to compare clinical and resource utilization outcomes over time between patients with diverticulitis vs. age and sex-matched controls.
25. **Shire-Movetis Pharmaceuticals** 2011-2012  
 “Development of a Patient Reported Outcome measure for GERD patients with Partial PPI response”  
 \$725,665  
 Principal Investigator
- This study aims to develop an FDA-approved patient reported outcome (PRO) for clinical trials in gastroesophageal reflux disease (GERD).
26. **U01 NIH/NIAMS AR057936A** 2010-2013  
 “Development and Initial Validation of PROMIS GI Distress Scale”  
 \$350,000 per year for 4 years (2010-2013)  
 Principal Investigator (PI#2 = Dinesh Khanna, MD, MSHS)
- The Patient-Reported Outcomes Measurement Information System (PROMIS) initiative aims to develop and disseminate core patient-reported items banks across a wide taxonomy of biopsychosocial illness experiences. Although the current PROMIS taxonomy is expansive, it does not yet include items pertaining to gastrointestinal (GI) Distress. Given the high prevalence and incidence of chronic GI disorders, coupled with the over-representation of many chronic GI disorders in women, it is vital that



the PROMIS taxonomy expand to include items pertaining to GI Distress – a domain with relevance to a wide range of chronic diseases marked by decrements in health-related quality of life. Our objectives are to first develop a GI Distress domain using the transparent and rigorous standards established by the PROMIS network, and then to test the resulting items in 3 distinct patient populations with GI distress: (1) irritable bowel syndrome (IBS), (2) inflammatory bowel disease (IBD), and (3) systemic sclerosis (Scleroderma; SSc).

27. **Amgen Pharmaceuticals** 2012-2013  
 “Measuring provider knowledge attitudes and beliefs about transfusions in chronic kidney disease”  
 \$225,000  
 Principal Investigator
  
28. **Amgen Pharmaceuticals** 2013-2014  
 “Concept Development of a Smartphone-Biosensor Intervention to Improve Adherence among Prescription Medication Users with Rheumatoid Arthritis”  
 \$97,575  
 Principal Investigator
  
29. **Amgen Pharmaceuticals** 2013-2014  
 “Using Patient Interviews and Secondary Data to Identify Psychosocial Determinants of Adherence to Rheumatoid Arthritis Medications: A Mixed-Methods Approach to Profiling Patients”  
 \$210,478  
 Principal Investigator
  
30. **Amgen Pharmaceuticals** 2013-2014  
 “Initial Feasibility Testing of a Smartphone-Biosensor Intervention to Improve Adherence among Prescription Medication Users with Rheumatoid Arthritis”  
 \$147,960  
 Principal Investigator
  
31. **U01 NIH/NIAMS AR057936A** 2013-2015  
 “Validation of GI PROMIS® Measures in Clinical Practice: A Pragmatic Trial Using a Novel e-Platform”  
 \$200,000 supplemental  
 Principal Investigator
  
32. **Ironwood Pharmaceuticals** 2011-2015  
 “Developing the Automated Evaluation of Gastrointestinal Symptoms (AEGIS) Platform”  
 \$1,279,312  
 Principal Investigator
  
32. **Ironwood Pharmaceuticals** 2013-2015  
 “Development of My GI Health Consumer Portal”  
 \$340,856  
 Principal Investigator
  
34. **VA HSR&D Merit Award** 10/1/12 – 9/30/15  
 “Maximizing VA Colonoscopy Capacity through No-Show Predictive Overbooking.”  
 \$840,627  
 Principal Investigator

This is a pragmatic clinical trial comparing a novel scheduling technique called “no-show predictive overbooking” vs. status quo “one patient, one slot” scheduling for colonoscopy appointments.

35. **Theravance Pharmaceuticals** 2013-2015  
 “Measuring Symptoms in Patients with Gastroparesis: Development of a PRO Instrument”  
 \$207,900  
 Principal Investigator
36. **Robert Wood Johnson Foundation** 2015-2016  
 “Harnessing social media to measure health related quality of life”  
 \$210,000  
 Principal Investigator

## ACTIVE GRANTS

- Ironwood Pharmaceuticals 04/20/2015-6/30/2016  
 \$48,181  
**Developing and Validation of My GI Health**  
 The goal of this project is to develop and validating the **Automated Evaluation of GastroIntestinal Symptoms (AEGIS)** platform.  
 Principal Investigator
- Ironwood Pharmaceutical 08/04/2015-08/03/2016  
**Development of My GI Health Consumer Portal**  
 \$436,901  
 For purposes of the consumer portal, we will allow the general public to gain access to animations regarding normal and abnormal GI function, along with access to other supporting materials and web links already being developed for *My GI Health*.
- Nestle Global 2/1/2016-1/31/2017  
**Transforming the Care of Patients with GI Conditions through Education on Diet and Nutrition**  
 \$299,593  
 The use of a smartphone or tablet-based app will allow real time assessment of dietary intake and tracking of GI symptoms.
- Amgen 10/09/2014 – 10/08/2016  
**Concept Development of a Smartphone-Biosensor Intervention to Improve Adherence among Prescription Medication Users with Rheumatoid Arthritis**  
 \$147,960  
 Our team will collaborate with the UCLA Wireless Health Institute (WHI) and the design team at Diagram to conceptualize an intervention involving web-based and Smartphone-based collection of patient-reported outcome (PRO) data, coupled with physical function data from wearable biosensors.
- Shire 1/20/2015-12/31/2016  
**Social Media in Healthcare: A Tool to Detect, Monitor and Improve Illness Experience**  
 \$68,514  
 We propose to employ novel techniques to learn new information from patients with IBD using social media and electronic portals (e-portals).

Takeda Pharmaceuticals

03/15/2015-03/14/2017

**Creation of a Patient-Informed Educational Assessment Tool for Use in Inflammatory Bowel Disease**

\$227,309

The overall goal of this research proposal is to develop a first-of-kind, immersive, online patient self-assessment tool driven by a “choose your own adventure” conjoint analysis that explores decision-making around biologic therapies for IBD.

UL1TR000124/NIH/NCATS

06/01/2011-02/29/2016

**UCLA Clinical and Translational Science Institute (CTSI)**

\$1,476,415

The purpose of this is to support and encourage clinical and translational investigation at Cedars-Sinai Medical Center, UCLA, Harbor-UCLA Medical Center, Drew University, and within the communities these institutions serve.

Leader

Astra Zeneca

03/15/2015-03/14/2016

**Is there a gap between how patients and doctors think about opioid induced constipation?**

\$212,791

The overall goal of the proposed research is to develop a conjoint analysis survey tool that explores decision-making and preferences around opioids and OIC.

Takeda Pharmaceuticals

7/1/2016-6/30/2017

**CME - Development of an Online Decision Tool and Continuing Medical Education for IBD Patients Considering Biologic Therapy**

\$279,695 To develop a first-of-kind, immersive, online patient self-assessment tool driven by a “choose your own adventure” conjoint analysis that explores decision-making around biologic therapies for IBD.

SUBMITTED

PCORI

**Comparing Communication Strategies for Patients with Chronic Pain Via Choosing Wisely Interventions**

\$2,065,599

This proposal aims to positively disrupt how chronic pain treatments are currently discussed and managed between patients and providers.

Principal Investigator

## LECTURES AND PRESENTATIONS

### INTRAMURAL / LOCAL INVITED PRESENTATIONS

1. Center for Ulcer Research and Education (CURE) annual research meeting. Distinguished clinical abstract oral presentation – *The cost-effectiveness of COX-2 inhibitors in the management of chronic arthritis*,
2. UCLA Division of Digestive Diseases Grand Rounds – *Health-related quality of life in Gastroenterology: a primer for the dyspeptic skeptic*, 2002.
3. UCLA Division of Digestive Diseases Grand Rounds – *H. pylori eradication for nonulcer dyspepsia: is it worth our time?*, 2002.
4. UCLA Neuroenteric Diseases Symposium, Los Angeles, California – *The health economics of functional gastrointestinal disorders*, 2002.
5. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *Making decisions in life and in Gastroenterology: a primer on decision analysis and cost-effectiveness analysis*, 2002.
6. UCLA Division of Digestive Diseases Grand Rounds – *Iatrogenic Imperfecta and other plagues of the endoscopy suite*, 2002.
7. Olive View-UCLA Medical Center Internal Medicine Residents' Conference – *Acute upper gastrointestinal hemorrhage*, 2002.
8. VA-Greater Los Angeles Medical Center Residents' Conference – *Polyp-induced dyspepsia and other iatrogenic maladies of the GI tract*, 2002.
9. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *How to give an effective talk using Power Point (or, why animation should be left for Saturday mornings)*, 2003.
10. UCLA Division of Digestive Diseases Grand Rounds – *Preventing Polyps and Beating Barrett's with Mister Markov*, 2003.
11. VA-Greater Los Angeles Healthcare System Department of Psychology Grand Rounds – *Measuring Patient Preferences for Economic Analyses*.
12. UCLA Division of Digestive Diseases Grand Rounds – *Does an Aspirin a Day Keep the Polyps Away?* 2003.
13. Cedars-Sinai Division of Gastroenterology Fellows' Conference – *Beating Barrett's with Mister Markov*, 2003.
14. Olive View-UCLA Medical Center Internal Medicine Grand Rounds – *Healthcare Decision Making – A Primer on Decision Analysis and Cost-Effectiveness Analysis*, 2003.
15. University of Michigan Clinical Conference – *Culling the wheat from the chaff in irritable bowel syndrome*, 2004.
16. Harbor-UCLA Medical Center GI Grand Rounds – *Culling the wheat from the chaff in irritable bowel syndrome*, 2004.
17. UCLA-VA Center for Ulcer Research and Education (CURE) Named New Investigator presentation – *Development and Validation of the Irritable Bowel Syndrome Extraintestinal Symptom Questionnaire (IBS-ESQ)*, 2004.
18. UCLA-VA Center for Ulcer Research Education annual research meeting – *Invited research*

- presentation. *Culling the Wheat from the Chaff in Irritable Bowel Syndrome*, 2004.
19. UCLA Center for Neurovisceral Sciences and Women's Health Research Symposium – *An overview of health services research in functional bowel disorders*, 2004.
  20. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *How to present without looking stupid: a primer on giving talks and making slides*, 2004.
  21. Sepulveda VA Medical Grand Rounds – *Culling the wheat from the chaff in irritable bowel syndrome*, 2004.
  22. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *Health services research highlights from DDW 2004*, 2004.
  23. VA-Greater Los Angeles Healthcare System Department of Medicine Grand Rounds – *Culling the wheat from the chaff in irritable bowel syndrome*, 2004.
  24. VA-Greater Los Angeles Healthcare System Department of Medicine Resident's Conference – *A practical approach to managing dyspepsia*, 2004.
  25. VA-Greater Los Angeles Healthcare System Department of Medicine Resident's Conference – *Surveillance of colonic polyps: which to follow and how?* 2004.
  26. Providence Holy Cross Medical Center – *Culling the wheat from the chaff in irritable bowel syndrome*, 2004.
  27. VA-Los Angeles Outpatient Clinic Department of Medicine Grand Rounds – *Culling the wheat from the chaff in irritable bowel syndrome*, 2004.
  28. UCLA Management of Barrett's Esophagus Symposium. *Beating Barrett's with Mr. Markov: cost-effectiveness considerations in screening and surveillance*, 2004.
  29. VA-Los Angeles Outpatient Clinic Department of Medicine Grand Rounds *Surveillance of colonic polyps: which to follow and how?* 2004.
  30. UCLA Medical Student Internal Medicine Clerkship Lecture – *Upper gastrointestinal tract hemorrhage*, 2005.
  31. UCLA Medical Student Internal Medicine Clerkship Lecture – *A practical approach to jaundice*, 2005.
  32. Center for Neurovisceral Sciences and Women's Health Functional Gastrointestinal Disorders and Co-Morbid Conditions Symposium – *Health related quality of life in functional GI disorders*, 2005.
  33. UCLA GI Update 2005: Gastroenterology and Hepatology for the Primary Care Physician. *GERD: Endoscopic therapy*, 2005.
  34. UCLA GI Nursing Symposium. *GERD: Endoscopic therapy*, 2005.
  35. UCLA-VA Center for Ulcer Research Education annual research meeting – Invited research presentation. *The impact of somatization on gastrointestinal healthcare resource use in irritable bowel syndrome*, 2005.
  36. UCLA Division of Digestive Diseases Clinical Conference – *How to use health related quality of life in the management of irritable bowel syndrome*, 2005.
  37. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *50 Vignettes from the GI Board Examination – Part I*, 2005.
  38. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *50 Vignettes from the GI Board Examination – Part II*, 2005.

39. UCLA/CURE Enrichment Lecture – *Health related quality of life in irritable bowel syndrome*, 2005.
40. VA-Greater Los Angeles Healthcare System Department of Medicine Grand Rounds – *Culling the wheat from the chaff in irritable bowel syndrome*, 2005.
41. VA-Greater Los Angeles Healthcare System Department of Medicine Grand Rounds – *The four questions approach to GI bleeding*, 2005.
42. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *20 Questions about randomized controlled trials*, 2005.
43. VA-Greater Los Angeles Healthcare System Department of Medicine Grand Rounds – *An evidence-based approach to managing dyspepsia*, 2005.
44. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *Diagnostic testing in IBS and Chronic Constipation*, 2006.
45. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *Screening for Esophageal Varices in Cirrhosis*, 2006.
46. UCLA GI Symposium Update 2006: Gastrointestinal Cancers. *Barrett's Esophagus: Overview/ Overdone?* 2006.
47. UCLA Department of Medicine Grand Rounds – *Culling the Wheat from the Chaff in Irritable Bowel Syndrome*, 2006.
48. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *Vignettes from the GI Board Examination – Part I*, 2006.
49. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *Vignettes from the GI Board Examination – Part II*, 2006.
50. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *Vignettes from the GI Board Examination – Part III*, 2006.
51. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *Vignettes from the GI Board Examination – Part IV*, 2006.
52. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *Introduction to Health Related Quality of Life Measurement*, 2006.
53. UCLA Department of Medicine Internal Medicine Board Review Course – *Board Review for Gastroenterology*, 2006.
54. West Los Angeles VA Department of Medicine Internal Medicine Board Review Series – *Board Review for Gastroenterology*, 2006.
55. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *A Primer on Giving Talks and Making Slides*, 2006.
56. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *An Evidence-Based Approach to Dyspepsia Management*, 2006.
57. VA-Greater Los Angeles Healthcare System Department of Medicine Resident's Conference – *The four question approach to GI bleeding*, 2006.
58. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *NSAID Gastropathy in 2006, An Update*, 2006.
59. VA-Greater Los Angeles Healthcare System Department of Medicine Resident's Conference –

*Barrett's Esophagus*, 2006.

60. VA-Greater Los Angeles Healthcare System Department of Medicine Resident's Conference – *NSAID Gastropathy*, 2006.
61. UCLA Department of Medicine Research Day **Plenary Invited Speaker** – *Culling the Wheat from the Chaff in Irritable Bowel Syndrome*, 2006.
62. UCLA Second Year Medical Student Lecture – *Acid Reflux and Its Consequences*, 2006.
63. UCLA Second Year Medical Student Lecture – *Evidence-Based Approach to GI Diseases*, 2006.
64. VA-Greater Los Angeles Healthcare System Department of Medicine Resident's Conference – *Screening for Varices in Cirrhosis*, 2006.
65. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *Vignettes from the GI Board Examination – Part I*, June 2007.
66. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *Vignettes from the GI Board Examination – Part II*, June 2007.
67. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *Vignettes from the GI Board Examination – Part III*, June 2007.
68. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *Vignettes from the GI Board Examination – Part IV*, June 2007.
69. UCLA Affiliated Program in Gastroenterology Fellows' Conference – *A Primer on Giving Talks and Making Slides*, July 2007.
70. UCLA Medical Resident's Noon Conference – *Dyspepsia Management*, July 2007.
71. UCLA Medical Resident's Journal Club Preceptor – *PPIs and Community Acquired Pneumonia*, July 2007.
72. VA Greater Los Angeles Nursing CME Conference – *Gastrointestinal Bleeding*, 2007.
73. VA-Greater Los Angeles Healthcare System Department of Medicine **Grand Rounds** – *Acid Reflux and its consequences*, 2007.
74. Cedars-Sinai Medical Center Department of Medicine **Grand Rounds** – *Acid Reflux and its consequences*, 2008.
75. Ronald Reagan UCLA Department of Medicine **Grand Rounds** – *Acid Reflux and its consequences*, 2008.
76. UCLA Medical Resident's Noon Conference – *GI Board Review*, 2008.
77. UCLA Training Program in Digestive Diseases Fellows' Conference – *GI Consult Axioms for Success*, 2008.
78. UCLA Training Program in Digestive Diseases Fellows' Conference – *The Four Question Approach to GI Bleeding*, 2008.
79. UCLA Training Program in Digestive Diseases Fellows' Conference – *Screening for Celiac Sprue in IBS: When, Why, and How?*, 2009.
80. UCLA Medical Resident's Noon Conference – *The Four Question Approach to GI Bleeding*, 2009.
81. UCLA Training Program in Digestive Diseases Fellows' Conference – *Introduction to Health Related Quality of Life Assessment*, 2009.

82. Harbor-UCLA Department of Medicine **Grand Rounds** – *Acid Reflux and its Consequences*, 2009.
83. UCLA Training Program in Digestive Diseases Fellows' Conference – *The Four Question Approach to GI Bleeding*, 2009.
84. UCLA Department of Medicine Research Day **Plenary Invited Speaker** – *Quality of care in colon cancer screening*, 2009.
85. UCLA Medical Resident's Noon Conference, *How to Work Effectively on a Consult Service*, 2009.
86. UCLA Medical Resident's Noon Conference, *The Four Question Approach to GI Bleeding*, 2010.
87. Cedars-Sinai Medical Center Department of Medicine **Grand Rounds** – *The Four Question Approach to GI Bleeding*, 2010.
88. UCLA Combined Sub-Specialty Fellow Conference – *How to be a great sub-specialist*, 2010.
89. UCLA Department of Medicine **Grand Rounds** – *Quality of care in colon cancer screening*, 2010.
90. Kaiser Sunset Department of Gastroenterology **Grand Rounds** – *Quality of care in colon cancer screening*, 2011.
91. Harbor UCLA Department of Medicine **Grand Rounds** – *Quality of care in colon cancer screening*, 2011.
92. UCLA Training Program in Digestive Diseases Fellows' Conference – *How to give a talk*, 2011.
93. UCLA Training Program in Digestive Diseases Fellows' Conference – *Meta-analysis and systematic review*, 2011.
94. West Los Angeles VA Department of Medicine **Grand Rounds** – *Transforming healthcare delivery through informatics*, 2012.
95. UCLA Training Program in Digestive Diseases Fellows' Conference – *Transforming healthcare delivery through informatics*, 2013.
96. UCLA Combined Sub-Specialty Fellow Conference – *Management of IBS*, 2013.
97. UCLA Combined Sub-Specialty Fellow Conference – *How to be a great sub-specialist*, 2013.
98. UCLA Combined Sub-Specialty Fellow Conference – *Management of GERD*, 2013.
99. Cedars-Sinai Medical Center Department of Gastroenterology **Grand Rounds** – *Transforming the Care of GI Patient with Biosensors and e-Portals*, 2013.
100. UCLA Combined Sub-Specialty Fellows Conference – *GI Consult Axioms of Success*, 2014
101. UCLA Combined Sub-Specialty Fellows Conference – *GI Board Review Vignettes*, 2014
102. Cedars-Sinai Department of Medicine **Grand Rounds** – *The Future of Disease and Wellness Monitoring: Biosensor, e-portals, and Social Media Applications*, 2014
103. Cedars-Sinai Health Services Lecture series – *Systematic Review and Metaanalysis*, 2015
104. Cedars-Sinai Health Services Lecture series – *Introduction to Cost-Effectiveness Analysis*, 2015
105. Cedars-Sinai Health Services Lecture series – *Introduction to Health Related Quality of Life Measurement*, 2015
106. Cedars-Sinai Health Services Lecture series – *Social Media Analytics*, 2015
107. Cedars-Sinai Health Services Lecture series – *Electronic Health Records and Patient-Provider*



*Portals, 2015*

108. Cedars-Sinai Health Services Lecture series – *Introduction to mHealth*, 2015
109. Cedars-Sinai Medical Residents lecture series – *Irritable Bowel Syndrome*, 2015
110. Cedars-Sinai Medical Residents lecture series – *Colon Cancer Screening*, 2015
111. Cedars-Sinai Health Services Lecture series – *Overview of basic biostatistics*, 2015
112. Cedars-Sinai Medical Residents Lecture series – *GERD and Barrett’s Esophagus*, 2015
113. Cedars-Sinai Health Services Lecture series – *Wearable Biosensors and Connected Health*, 2015
114. Cedars-Sinai Medical residents lecture series – *Managing GI Bleeding*, 2016
115. Cedars-Sinai Department of Medicine **Grand Rounds** – *Health-e: Five Technologies that are Transforming Patient care*, 2016

**NATIONAL / INTERNATIONAL INVITED PRESENTATIONS**

1. Digestive Disease Week 2001, Atlanta, Georgia. AGA Topic Forum presentation - *Dyspepsia management in primary care: a reappraisal of competing strategies*.
2. Methodologies in Healthcare Outcomes in Gastroenterology 2001, Miami, Florida. *Dyspepsia management in primary care: a reappraisal of competing strategies*.
3. Methodologies in Healthcare Outcomes in Gastroenterology 2001, Miami, Florida. *The cost-effectiveness of COX-2 inhibitors in the management of chronic arthritis*.
4. ASGE Young Investigators’ Conference in Digestive Diseases 2002, Indian Wells, California. *Is universal screening endoscopy cost-effective in cirrhosis?*
5. Digestive Disease Week 2002, San Francisco, California. ASGE topic forum – *Is universal screening endoscopy cost-effective in cirrhosis?*
6. Digestive Disease Week 2002, San Francisco, California. AGA topic forum – *The cost-effectiveness of COX-2 inhibitors in the management of chronic arthritis*.
7. American College of Rheumatology 2002 annual scientific meeting New Orleans, LA. Clinical epidemiology symposium invited presentation – *Using decision analysis to aid clinical choices: case study with COX-2 inhibitors*.
8. First Annual Functional Brain Gut Research Group Young Investigators’ Forum, 2002, Scottsdale, Arizona. *Clinical determinants of health related quality of life in irritable bowel syndrome*.
9. Veterans’ Administration Health Services Research and Development National Meeting, 2003, Washington, DC. *The cost-effectiveness of COX-2 inhibitors in the management of chronic arthritis*.
10. Research Excellence in Gastroenterology and Hepatology (REGAL) Research Conference, 2003, Scottsdale, Arizona. *The cost-effectiveness of cyclooxygenase-2 selective inhibitors in the management of chronic arthritis*
11. Digestive Disease Week 2004, New Orleans, LA. **AGA Distinguished Abstract Plenary Session** – *Is it worth testing for celiac sprue in irritable bowel syndrome? A cost-effectiveness analysis*.
12. AGA Functional Bowel Diseases Symposium, DDW 2004, New Orleans, LA. *Why it matters to know your patients’ quality of life in IBS*.
13. Methodologies in Healthcare Outcomes in Gastroenterology 2004, San Francisco, California. *How to Perform a Cost-Effectiveness Analysis*.

14. Methodologies in Healthcare Outcomes in Gastroenterology 2004, San Francisco, California. *Advanced Methods in Cost-Effectiveness Analysis.*
15. AGA Advances in the Management of Irritable Bowel Syndrome Symposium, Los Angeles, California. *Why it matters to know your patients' quality of life in IBS, 2005.*
16. 6<sup>th</sup> International Symposium on Functional Gastrointestinal Disorders, Milwaukee, WI. *Understanding quality of life impact of illness, 2005.*
17. Digestive Disease Week 2005, Chicago, IL. AGA Topic Forum – *Comparing rates of dyspepsia with coxibs versus NSAID+PPI: A Systematic Review and Meta-Analysis of Clinical Trial Data.*
18. Digestive Disease Week 2005, Chicago, IL. AGA Topic Forum – *The impact of somatization on the use of gastrointestinal healthcare resources in irritable bowel syndrome.*
19. Southern California Gastroenterology Society Post-DDW Conference, La Costa, Calif. – *Controversies of the Stomach: H. pylori and Dyspepsia, 2005*
20. Emerging Leaders in Gastroenterology Conference 2005, Stockholm, Sweden. *The Effectiveness of a Model Physician-Patient Relationship in Veterans with Irritable Bowel Syndrome, 2005*
21. University of Manitoba Visiting Professorship Lecture. *Culling the Wheat from the Chaff in Irritable Bowel Syndrome, 2005.*
22. Methodologies in Healthcare Outcomes in Gastroenterology 2005, Phoenix, AZ. *How to Perform a Cost-Effectiveness Analysis.*
23. Methodologies in Healthcare Outcomes in Gastroenterology 2005, Phoenix, AZ. *Advanced Methods in Cost-Effectiveness Analysis.*
24. Methodologies in Healthcare Outcomes in Gastroenterology 2005, Phoenix, AZ. *Introduction to Quality of Life Measurement.*
25. Veterans' Administration Health Services Research and Development National Meeting, 2006, Washington, DC. *The Effectiveness of a Model Physician-Patient Relationship in Veterans with Irritable Bowel Syndrome.*
26. Digestive Disease Week (DDW) 2006 **Post Graduate Course**, Los Angeles, Calif – *Screening for Esophageal Varices in Cirrhosis: Is it Ever Worth it?*
27. Digestive Disease Week (DDW) 2006 AGA Clinical Symposium, Los Angeles, Calif – *How to use Health Related Quality of Life to Monitor Patient Progress.*
28. Digestive Disease Week (DDW) 2006 AGA "Meet the Professor" Lecture, Los Angeles, California – *Quality of Life Measurement.*
29. Digestive Disease Week (DDW) 2006 AGA Topic Forum – *The effectiveness of a model physician-patient relationship in irritable bowel syndrome: a randomized controlled trial*
30. Digestive Disease Week (DDW) 2006 AGA Topic Forum – *Is irritable bowel syndrome a diagnosis of exclusion? A survey of primary care providers, gastroenterologists, and IBS experts.*
31. Digestive Disease Week (DDW) 2006 ASGE Topic Forum – *The managed care budget impact of capsule endoscopy for variceal screening.*
32. Southern California Gastroenterology Society Post-DDW Conference, Newport Beach, Calif. – *Controversies in functional GI: diagnosis, epidemiology, and non-pharmacological treatments, 2006.*
33. Methodologies in Healthcare Outcomes in Gastroenterology 2006, Denver, CO. *How to Perform a Cost-Effectiveness Analysis.*
34. Methodologies in Healthcare Outcomes in Gastroenterology 2006, Denver, CO. *Advanced Methods*

*in Cost-Effectiveness Analysis.*

35. Methodologies in Healthcare Outcomes in Gastroenterology 2006, Denver, CO. *Introduction to Quality of Life Measurement.*
36. University of Illinois Visiting Professorship Lecture. *Culling the Wheat from the Chaff in Irritable Bowel Syndrome*, 2006.
37. Case Western University of Manitoba Visiting Professorship Lecture. *Culling the Wheat from the Chaff in Irritable Bowel Syndrome*, 2006.
38. Northwestern University Visiting Professorship Lecture. *Culling the Wheat from the Chaff in Irritable Bowel Syndrome*, 2006.
39. Digestive Disease Week (DDW) 2007, AGA Nonvariceal Upper GI Bleeding Topic Forum, Washington, DC – *Adherence to “best practices” in nonvariceal upper GI hemorrhage (NVUGIH): a national vignette survey of experts versus community providers.*
40. Digestive Disease Week (DDW) 2007, AGA Outcomes in Functional Gastrointestinal Disorders Topic Forum, Washington, DC – *Is Asking “How are you doing” enough to capture health related quality of life (HRQOL) and overall severity in irritable bowel syndrome (IBS)?*
41. Digestive Disease Week (DDW) 2007, AGA NSAID Topic Forum, Washington, DC – *Improving adherence with PPI prescribing guidelines in high-risk NSAID Users: a controlled “before and after” study of an electronic medical reminder.*
42. Digestive Disease Week (DDW) 2007, **AGA Distinguished Abstract Plenary Session**, Washington, DC – *Balancing Cardiovascular and GI Outcomes with Antiplatelet Therapy: A Cost-Effectiveness Analysis of Competing Strategies.*
43. Digestive Disease Week (DDW) 2007, AGA Clinical Symposium, Washington, DC – *Screening for Celiac Sprue in IBS: Why, When and How?*
44. Digestive Disease Week (DDW) 2007, AGA Clinical Symposium, Washington, DC – *Measuring Severity in IBS: Why and How?*
45. Methodologies in Healthcare Outcomes in Gastroenterology 2007, Ft. Lauderdale, FL. *Introduction to pharmacoeconomic analyses.*
46. Methodologies in Healthcare Outcomes in Gastroenterology 2007, Ft. Lauderdale, FL. *Introduction to health related quality of life.*
47. Methodologies in Healthcare Outcomes in Gastroenterology 2007, Ft. Lauderdale, FL. *Introduction to survey development and administration.*
48. Presentation to the United States Food and Drug Administration GI and SEALD groups – *Rome Activities Related to Outcome and Endpoint Validation*, December 2007, Silver Springs, MD.
49. Presentation to the United States Food and Drug Administration GI and SEALD groups – *What Defines Symptom Severity in IBS? Evolving Conceptual Framework*, May 2008, Silver Springs, MD.
50. Digestive Disease Week (DDW) 2008, **AGA Clinical Plenary Session**, San Diego, CA – *Does the first colonoscopy of the day yield more polyps than cases performed later?*
51. Digestive Disease Week (DDW) 2008, AGA Clinical Symposium, San Diego, CA – *Do Frequent Hemoglobin (Hgb) Checks Improve Outcomes in GI Hemorrhage?*
52. Digestive Disease Week (DDW) 2008, AGA Clinical Symposium, San Diego, CA – *Predictors of Work Productivity in Irritable Bowel Syndrome (IBS): Results from the PROOF Cohort.*
53. Digestive Disease Week (DDW) 2008, AGA Clinical Symposium, San Diego, CA – *EuroQOL Utilities*

*Demonstrate Excellent Validity and Responsiveness in IBS: Results from the PROOF Cohort.*

54. Digestive Disease Week (DDW) 2008, AGA Clinical Symposium, San Diego, CA – *Could Natural Orifice Transluminal Endoscopic Surgery (NOTES) Ever be Cost Effective vs Laparoscopy (LAP)? A Hypothesis Generating Decision Analysis.*
55. Digestive Disease Week (DDW) 2008, AGA Clinical Symposium, San Diego, CA – *Putting it all together – evidence based approach to dyspepsia management.*
56. University of Manitoba Department of Gastroenterology, Update in Endoscopy, 2008 – *Evidence-Based Approach to Lower Gastrointestinal Tract Hemorrhage.*
57. VA HSR&D National Meeting, 2009, **Plenary Session**, Baltimore, MD – *Impact of a novel patient educational booklet on colonoscopy preparation in veterans.*
58. Rome Foundation Endpoints and Outcomes Conference, 2009, Milwaukee, WI – *Results of the Rome Endpoints Working Group Meta-Analysis.*
59. Rome Foundation Endpoints and Outcomes Conference, 2009, Milwaukee, WI – *Measuring minimally clinically important differences using patient reported outcomes (PROs)*
60. Rome Foundation Endpoints and Outcomes Conference, 2009, Milwaukee, WI – *Health Behaviors, Health Outcomes, and Cost-Effectiveness in IBS.*
61. International Foundation for Functional Gastrointestinal Disorders (IFFGD) Conference, 2009, Milwaukee, WI – *Validating Questionnaires for Clinical Practice.*
62. University of Miami Division of Digestive Diseases Visiting Professorship Lecture, 2009, Miami, FL – *Culling the Wheat from the Chaff in Irritable Bowel Syndrome.*
63. Digestive Disease Week (DDW) 2009 AGA Clinical Symposium, Chicago, IL – *Impact of Baseline Severity on the Performance of IBS Clinical Trial Endpoints: Results of the Rome Endpoints Working Group Meta-Analysis.*
64. Digestive Disease Week (DDW) 2009 AGA Clinical Symposium, Chicago, IL – *Early Endoscopy Predicts Lower Mortality in Acute Gastrointestinal Hemorrhage.*
65. Digestive Disease Week (DDW) 2009 AGA Clinical Symposium, Chicago, IL – *Colonoscopy Yields Fewer Polyps as the Day Progresses Despite Use of Social Influence to Reverse the Trend.*
66. Digestive Disease Week (DDW) 2009 AGA Clinical Symposium, Chicago, IL – *Impact of a Novel Patient Educational Booklet on the Quality of Colonoscopy Preparation in Colorectal Cancer Screening.*
67. Digestive Disease Week (DDW) 2009 AGA Clinical Symposium, Chicago, IL – *Utility of New Diagnostic Tests in IBS Patients.*
68. University of North Carolina at Chapel Hill Division Digestive Diseases Visiting Professorship Lecture, 2009, Chapel Hill, NC – *Culling the Wheat from the Chaff in Irritable Bowel Syndrome.*
69. University of North Carolina at Chapel Hill Division Digestive Diseases Visiting Professorship Lecture, 2009, Chapel Hill, NC – *Introduction to Health Related Quality of Life Measurement.*
70. American College of Gastroenterology 2009 Annual Meeting, San Diego, Calif – *Non-pharmacological approaches to enhancing bowel prep tolerance and quality.*
71. American Gastroenterological Association Clinical Congress, 2010, Las Vegas, NV – *Evidence-Based Approach to Dyspepsia.*
72. Digestive Disease Week (DDW) 2010, AGA Clinical Symposium, New Orleans, LA – *Screening for Celiac Disease in IBS: When, How, and Why?*
73. Digestive Disease Week (DDW) 2010, AGA Meet the Professor, New Orleans, LA – *Evidence Based*

*Approach to Diagnostic Testing in IBS.*

74. Digestive Disease Week (DDW) 2010, AGA Clinical Symposium, New Orleans, LA – *Characterizing Abdominal Pain Attributes in IBS: Guidance for Study Inclusion Criteria and Outcome Measurement.*
75. Digestive Disease Week (DDW) 2010, AGA Clinical Symposium, New Orleans, LA – *Patient-Reported Symptom Relief from Current Therapy is a Robust Marker of Illness Severity in IBS.*
76. Digestive Disease Week (DDW) 2010, AGA Clinical Symposium, New Orleans, LA – *The Impact of Elevated INR on Outcomes in GI Hemorrhage.*
77. Digestive Disease Week (DDW) 2010, AGA Clinical Symposium, New Orleans, LA – *Impact of a novel educational booklet on bowel preparation in screening colonoscopy.*
78. 2010 Joint International Neurogastroenterology and Motility Meeting, Boston, MA – *Advances in trial endpoints in IBS: binary endpoints, PRO guidance, and validity of interim endpoints.*
79. Digestive Disease Week (DDW) 2011, **AGA Postgraduate Course**, Chicago, IL – *An evidence-based approach to managing dyspepsia.*
80. Digestive Disease Week (DDW) 2011, **ASGE Presidential Plenary Session**, Chicago, IL – *Adenomas under the curve (AUC): a new metric that incorporates and extends the adenoma detection rate (ADR).*
81. Digestive Disease Week (DDW) 2011, AGA Clinical Symposium, Chicago, IL – *New endpoints for dyspepsia trials: lessons from IBS.*
82. Digestive Disease Week (DDW) 2011, AGA Clinical Symposium, Chicago, IL – *Developing a PRO in IBS: Lessons learned for what can go wrong and how to fix it.*
83. Digestive Disease Week (DDW) 2011, AGA Clinical Symposium, Chicago, IL – *Clinical Presentation of Acute Diverticulitis: Most Patients Do Not Fulfill the Classic Triad of Pain, Fever, and Leukocytosis.*
84. Digestive Disease Week (DDW) 2011, AGA Clinical Symposium, Chicago, IL – *What diagnostic tests are needed in patients with IBS symptoms?*
85. University of Manitoba Medical Grant Rounds, Winnipeg, Canada (January 2012) – *Conducting health services research in cancer screening: colorectal cancer as a model for educating patients and provider to improve outcomes.*
86. Digestive Disease Week (DDW) 2012, AGA Symposium, San Diego, CA – *Significance of incidental diverticulosis found on colonoscopy: long-term risk of acute diverticulitis. [**distinguished abstracts plenary session**]*
87. Digestive Disease Week (DDW) 2012, AGA Symposium, San Diego, CA – *Early Changes in Blood Urea Nitrogen Strongly Predict Mortality in Acute Gastrointestinal Bleeding.*
88. Digestive Disease Week (DDW) 2012, AGA Clinical Symposium, Chicago, IL – *How to teach fellows about functional GI disorders.*
89. Digestive Disease Week (DDW) 2013, AGA Postgraduate Course, Orlando, FL – *The health technology revolution: get up to speed, or get passed by. [**American Gastroenterological Association Postgraduate Course Plenary Session**]*
90. Digestive Disease Week (DDW) 2013, AGA Postgraduate Course, Orlando, FL – *The quantified patient: using apps and wireless sensors to monitor your patients between visits. [**American Gastroenterological Association Postgraduate Course Plenary Session**]*
91. South African Gastroenterology Society (SAGES) Annual Postgraduate Course, Drakensberg, South Africa, 2013 – *The quantified patient: using apps and wireless sensors to monitor your patients between visits. [**SAGES Plenary Session Presentation**]*

92. South African Gastroenterology Society (SAGES) Annual Postgraduate Course, Drakensberg, South Africa, 2013 – *Diverticulosis as a Chronic Disease* [**SAGES Plenary Session Presentation**]
93. American Neurogastroenterology and Motility Society (ANMS) Annual Meeting, Huntington Beach, CA, 2013 – Novel Disease and Symptom Measurements in Gastroenterology.
94. ACG National Meeting 2013, ACG Postgraduate Course, San Diego, CA – Diverticulosis as a Chronic Disease. [**American College of Gastroenterology Postgraduate Course Plenary Session**]
95. ePharma 2014, New York, New York – My GI Health: An Innovative Patient-Provider Portal.
96. ePharma West 2014, San Francisco, Calif – My GI Health: An Innovative Patient-Provider Portal.
97. Big Data in Pharma (DiP) 2014, Boston, Mass – My GI Health: An Innovative Patient-Provider Portal.
98. North American Society of Pediatric Gastroenterology, Hepatology, and Nutrition (NASPGHAN) 2014 Annual Meeting, Atlanta, GA – *The Future of GI Disease Monitoring: Biosensors, e-Portals, and Social Media Applications* [**Meeting Keynote Speaker**]
99. ePharma 2015, New York, New York – *My GI Health: Changing the Course to Gut Health Through Gut Feelings*.
100. American Gastroenterological Association Technology Summit 2015, San Francisco, CA – *Personalized Technologies: Self-Monitoring and Remote Sensor Technologies*.
101. Digestive Disease Week (DDW) 2015, AGA Postgraduate Course, Washington, DC – *GI Quality Indicators*. [**American Gastroenterological Association Postgraduate Course Plenary Session**]
102. Digestive Disease Week (DDW) 2015, AGA Postgraduate Course, Washington, DC – *Digital Health for the Gastroenterologist: What You Need to Know About Apps, Wearable Sensors and EHRs*. [**American Gastroenterological Association Postgraduate Course**]
103. Digestive Disease Week (DDW) 2015, Washington, DC – *Predictive Overbooking Maximizes Endoscopy Utilization in an Outpatient Clinic*. [**AGA Distinguished abstracts plenary session**]
104. Digestive Disease Week (DDW) 2015, Washington, DC – *Post-Operative Gastrointestinal (GI) Telemetry with a Wearable Acoustic Biosensor Distinguishes Ileus vs. Uneventful GI Recovery* [**SSAT Distinguished abstracts plenary session**]
105. Digestive Disease Week (DDW) 2015, Washington, DC – *Racial and Ethnic Disparities in Colonoscopy Utilization Among Individuals with a Family History of Colorectal Cancer*
106. ISOQOL 2015 Annual Meeting, Vancouver, Canada – *Social Media Analytics and Digital Ethnography* [**Keynote address**]
107. Connected Health 2015, Boston, MA – *Applying Digital Health in the Clinical Environment*
108. American College of Gastroenterology 2015 Annual Meeting, Honolulu, HI – *The Future of Gastroenterology Disease Monitoring: Mobile Health, Social Media, and Wearable Sensor Applications* [**Keynote Address**]
109. American College of Gastroenterology 2015 Annual Meeting, Honolulu, HI – *Diverticular Disease: The New Chronic Disease* [**ACG Postgraduate Course**]
110. Texas Society of Gastroenterology 2015 Annual Meeting, Fort Lauderdale, TX – *Culling the Wheat from the Chaff in Irritable Bowel Syndrome: When to Screen for Celiac Disease*
111. Texas Society of Gastroenterology 2015 Annual Meeting, Fort Lauderdale, TX – *Diverticular Disease*.
112. Digestive Disease Week 2016 Annual Meeting, San Diego, CA – *Diagnostic Testing in IBS*

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2. **Spiegel BMR**, Vakil NB, Ofman JJ. Dyspepsia management in primary care: a decision analysis of competing strategies. *Gastroenterology* 2002;122:1270-1285 [with editorial] [[144 citations](#)]
3. **Spiegel BMR**, Ofman JJ, Vakil NB. Minimizing recurrent peptic ulcer hemorrhage after endoscopic hemostasis: the cost-effectiveness of competing strategies. *American Journal of Gastroenterology* 2003; 98:86-97. [[101 citations](#)]
4. **Spiegel BMR**, Targownik LE, Karsan HA, Dulai GS, Gralnek IM. Endoscopic screening for esophageal varices in cirrhosis: is it ever cost-effective? *Hepatology* 2003;37:366-77. [with editorial] [[156 citations](#)]
5. **Spiegel BMR**, Targownik LE, Dulai GS, Gralnek IM. The cost-effectiveness of cyclooxygenase-2 selective inhibitors in the management of chronic arthritis. *Annals of Internal Medicine* 2003;138:795-806. [[131 citations](#)]
6. Targownik LE, Gralnek IM, Dulai GS, **Spiegel BMR**, Oei T, Bernstein CN. Management of acute non-variceal upper gastrointestinal tract hemorrhage: comparison of a U.S. and a Canadian medical center. *Canadian Journal of Gastroenterology* 2003;17:489-95. [[13 citations](#)]
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### RESEARCH PAPERS – PEER REVIEWED (IN PRESS)

None at this time.

### RESEARCH PAPERS – PEER REVIEWED (SUBMITTED)

Multiple papers under current review.

### BOOKS

1. **Spiegel B**. *Acing the GI Board Exam: The Ultimate Crunch-Time Resource*. 2009 SLACK Inc.
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## LETTERS

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