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 Boston Children's Hospital
 300 Longwood Avenue
 Boston, MA 02115

Education

9/87 - 6/91	A.B. (<i>Cum laude</i>)	Social Psychology	Princeton University, Princeton, NJ
8/91 - 6/95	M.D.	Medicine	Mount Sinai School of Medicine, New York, NY
7/02 - 6/04	M.P.H.	Clinical Effectiveness	Harvard School of Public Health, Boston, MA

Postdoctoral Training

7/95-6/96	Intern	Pediatrics	University of California, San Francisco, CA
7/96-6/98	Resident	Pediatrics	University of California, San Francisco, CA
7/98-6/99	Post-graduate Fellow	Health Policy	Institute for Health Policy Studies, University of California, San Francisco, CA
7/98-6/01	Fellow	Pediatric Gastroenterology, Hepatology and Nutrition	Combined Program at Harvard Medical School (Children's Hospital Boston and Massachusetts General Hospital) Boston, MA
7/01-6/02	Fellow	Pediatric Health Services Research	Harvard Medical School, Boston, MA

Faculty Academic Appointments

7/02-6/08	Instructor	Pediatrics	Harvard Medical School, Boston, MA
7/09-12/13	Assistant Professor	Pediatrics	Harvard Medical School, Boston, MA
6/14-8/22	Professor	Pediatrics	University of Massachusetts Medical School, Worcester, MA

Appointments at Hospitals/Affiliated Institutions

1/98-6/99	Pool Physician	Pediatrics	Kaiser Foundation Hospitals, CA
1/98-6/99	Staff Physician, Pediatric Urgent Care Clinic	Pediatrics	Kaiser Foundation Hospital, San Francisco, CA
1/98-8/99	Staff Physician, Pediatric Service	Pediatrics	Kaiser Foundation Hospital, Hayward, CA
7/98-6/99	Staff Physician, Neonatal Intensive Care Unit	Newborn Medicine	Kaiser Foundation Hospital, Walnut Creek, CA
10/98-6/99	Staff Physician, Pediatric Service	Pediatrics	Kaiser-Permanente Medical Center, Santa Clara, CA
7/99-6/02	Clinical Fellow	Medicine	Children's Hospital Boston, Boston, MA
7/99-6/01	Clinical Fellow	Pediatrics	Massachusetts General Hospital, Boston, MA
4/01-8/05	Staff Physician, Newborn Services	Newborn Medicine	Mount Auburn Hospital, Cambridge, MA
7/01-8/07	Research Physician / Affiliated Staff	Pediatric Gastroenterology, Hepatology and Nutrition	Massachusetts General Hospital, Boston, MA
12/01-11/05	Courtesy Staff	Medicine	Cambridge Hospital, Cambridge, MA
4/02-6/09	Assistant Physician	Medicine	Children's Hospital Boston, Boston, MA
11/05-10/11	Affiliated Staff	Pediatrics	Boston Medical Center, Boston MA
9/07-9/15	Affiliated Staff	Newborn Medicine	Brigham and Women's Hospital, Boston, MA
7/09-8/22	Affiliated Staff	Medicine	Children's Hospital Boston, Boston, MA
7/11-7/15	Affiliated Staff	Newborn Medicine	Beth Israel Deaconess Medical Center, Boston, MA
9/13-12/13	Staff provider	Pediatric Gastroenterology	UMass Memorial Medical Center, Worcester, MA
1/14-8/22	Attending physician	Pediatric Gastroenterology	UMass Memorial Medical Center, Worcester, MA
9/22-present	Attending physician	Pediatric Gastroenterology, Hepatology and Nutrition	Boston Children's Hospital, Boston, MA

Other Professional Positions

2003-2010	Consultant	Oridion Medical
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2010-2015	Consultant	Medtronic, Inc.
2010-present	Medical Advisory Board Member	Patient-Physician Alliance for Patient Safety Medical Advisory Board
2013-present	Medical Advisory Board Member	International Association for Food Protein Enterocolitis (IAFFPE) Medical Advisory Board
2013-present	Consultant	Mead Johnson Nutrition
2018-present	Consultant	Perrigo Nutrition
2019-present	Pediatric Gastroenterology Steering Board Member	EPIC Systems Corporation
2022-present	Consultant	ByHeart Nutrition

Major Administrative Leadership Positions

Local

2005-2008	Director, bi-weekly Clinical Research Conference	Division of Gastroenterology, Hepatology and Nutrition, Children's Hospital Boston, Boston, MA
2005-2013	Co-Chair, Career and Family Network, Office of Faculty Development	Office of Faculty Development, Children's Hospital Boston, Boston, MA
2006-2013	Physician Director, ProVation Endoscopy Procedure Documentation Database (Launched April 2006)	Division of Gastroenterology, Hepatology and Nutrition, Children's Hospital Boston, Boston, MA
2007-2013	Co-Chair, Sedation Committee	Children's Hospital Boston, Boston, MA
2006-2012	Director, Clinical Research Education	Clinical Research Program, Children's Hospital Boston, Boston, MA
2006-2013	Course Director, Introduction to Clinical Research	Children's Hospital Boston, Boston, MA
2008-2010	Course Director, Harvard Catalyst Colloquium Series	Harvard Catalyst (CTSA), Harvard Medical School, Boston, MA
2008-2013	Director, Quality and Patient Safety	Division of Gastroenterology, Hepatology and Nutrition, Children's Hospital Boston, Boston, MA
2008-2013	Director, Morbidity and Mortality Conference	Division of Gastroenterology, Hepatology and Nutrition, Children's Hospital Boston, Boston, MA
2009-2011	Physician Director, Patient Resource Utilization Determination of Effective and Necessary Targets (PRUDENT©) Project	Physician's Organization, Children's Hospital Boston, Boston, MA
2012-2013	Director, Clinical Research Education Core	Clinical Research Center, Children's Hospital Boston, Boston, MA
2014-2020	Chief Quality Officer	UMass Memorial Children's Medical Center, Worcester, MA

2014-2022	Division Chief, Pediatric Gastroenterology and Nutrition	Department of Pediatrics, UMass Memorial Children's Medical Center, Worcester, MA
2020-2022	Vice Chair	Department of Pediatrics, UMass Memorial Children's Medical Center, Worcester, MA
2022-present	Associate Chief, Pediatric Gastroenterology, Hepatology and Nutrition	Department of Pediatrics, Boston Children's Hospital, Boston, MA

National and International

2008-2009	Director, Sedation and Monitoring Course	American Society of Gastrointestinal Endoscopy (ASGE)
2009	Director, Therapeutic Pediatric Endoscopy – “Hands on” Course	American Society of Gastrointestinal Endoscopy (ASGE)
2009-2018	Advisory Board Member, America's Best Hospitals (<i>US News and World Report</i>), Digestive Diseases Section	America's Best Hospitals, Inc.
2010	Course Director, Therapeutic Pediatric Endoscopy – “Hands on” Course	North American Society of Pediatric Gastroenterology, Hepatology, and Nutrition (NASPGHAN)
2012	Course Director, Therapeutic Pediatric Endoscopy – “Hands on” Course	North American Society of Pediatric Gastroenterology, Hepatology, and Nutrition (NASPGHAN)
2013	Course Director, Basic Endoscopic Emergencies in Pediatrics (“BEEP”)	North American Society of Pediatric Gastroenterology, Hepatology, and Nutrition (NASPGHAN)
2020	Program Chair, Annual Meeting and Post-Graduate Course	North American Society of Pediatric Gastroenterology, Hepatology, and Nutrition (NASPGHAN)
2021	Program Chair, Annual Meeting and Post-Graduate Course	North American Society of Pediatric Gastroenterology, Hepatology, and Nutrition (NASPGHAN)
2022	Course Director, Adult and Pediatric Board Review	American Society of Gastrointestinal Endoscopy (ASGE)

Committee Service

Local

2003-2013	Sedation Committee	Children's Hospital Boston, Boston, MA
2010-2013		Executive Committee Member
2006-2013	Gastroenterology Procedure Unit Clinical Practice Committee	Children's Hospital Boston, Boston, MA Physician Member
2007-2008	Education and Training Subcommittee	Clinical and Translational Science Center (CTSC), Harvard Medical School, Boston, MA
2007-2010	Harvard Catalyst Colloquium Series Advisory Group	Harvard Catalyst, Harvard Medical School, Boston, MA

2007-2011	2007-2010, Chair Clinical Research Executive Subcommittee on Education, Training and Communication (CREC, ETC)	Children's Hospital Boston, Boston, MA
2008-2009	2007-2011, Co-chair Education and Training Executive Committee	Harvard Catalyst, Harvard Medical School, Boston, MA
2008-2010	Peripheral Nerve Injury Task Force	Children's Hospital Boston, Boston, MA
2008-2011	Discerning Children's Hospital Committee 2008-2011	Children's Hospital Boston, Boston, MA Project Director, GI IBD LOS Project
2008-2013	Office of Faculty Development Advisory Board	Children's Hospital Boston, Boston, MA
2008-2013	CHB Steering Committee for Career Development and Mentoring	Children's Hospital Boston, in collaboration with Harvard Catalyst, Boston, MA
2009-2011	Advisory Board Member, Harvard Medical School Prime Program	Harvard Medical School, Boston, MA
2009-2012	Program for Patient Safety and Quality (PPSQ) Implementation Committee	Children's Hospital Boston, Boston, MA
2009-2013	Healthcare Quality Outcomes Forum (formerly Clinical Outcomes Leadership Group -3) 2009-	Department of Medicine, Children's Hospital Boston, Boston, MA Physician Representative, Division of Gastroenterology, Hepatology and Nutrition Children's Hospital Boston, Boston, MA
2009-2012	Program for Patient Safety and Quality (PPSQ) Implementation Committee 2010-2012, Co-chair, Task Force – Joint Commission for Standards of Care/Daily Goals	Children's Hospital Boston, Boston, MA
2010-2013	Clinical Outcomes Committee	Children's Hospital Boston Physician Representative, Division of Gastroenterology, Hepatology and Nutrition
2010-2013	Executive Committee, Shared Care Initiative	Children's Hospital Integrated Care Organization (CHICO), Physician's Organization, Department of Medicine, Children's Hospital Boston
2011-2013	Executive Sedation Committee	Children's Hospital Boston, Boston, MA
2011-2013	Bringing Expertise to Selecting Tests (BEST) Committee	Children's Hospital Boston Department of Medicine Representative

2011-2013	Executive Committee, Shared Care	Children's Hospital Integrated Care Organization (CHICO), Boston, MA
2011-2013	Admissions Committee, Harvard Scholars in Clinical Science Program / KL2 Merit Program	Harvard Catalyst, Harvard Medical School, Boston, MA
2011-2013	Admissions Committee Member, K12 "Clinical Scholars Program"	Harvard Catalyst, Harvard Medical School, Boston, MA
2013	Boston Children's Hospital Strategic Planning, National Workstream Group	Children's Hospital Boston, Boston, MA
2014-2022	Safety, Quality and Risk Triage Group 2014-2020, Chair	UMass Memorial Children's Medical Center, Worcester, MA
2014-2022	Clinical Peer Review Committee 2014-2022, Chair	UMass Memorial Children's Medical Center, Worcester, MA
2015-2017	Search Committee – Division Chief of Pediatric Hematology/Oncology 2015-2017, Chair	Department of Pediatrics, UMass Memorial Children's Medical Center, Worcester, MA
2015-2020	CMC Quality and Safety Executive Committee 2015-2020, Chair	Department of Pediatrics, UMass Memorial Children's Medical Center, Worcester, MA
2016-2022	CMC Governance Committee	Department of Pediatrics, UMass Memorial Children's Medical Center, Worcester, MA
2016-2022	CMC Service Line Task Force 2016-2022, Chair	Department of Pediatrics, UMass Memorial Children's Medical Center, Worcester, MA
2016-2022	Group Practice Quality Committee	UMass Memorial Children's Medical Center, Worcester, MA
2020-2022	Executive Data Analytics Group	Department of Pediatrics, UMass Memorial Children's Medical Center, Worcester, MA
2020-2022	Diversity, Equity, and Inclusion Planning Group 2020-2022, Inaugural Chair	Department of Pediatrics, UMass Memorial Children's Medical Center, Worcester, MA
2022-present	Service Committee	Division of Gastroenterology, Hepatology and Nutrition, Boston Children's Hospital, Boston, MA

2022-present	Clinical Operations Committee	Division of Gastroenterology, Hepatology and Nutrition, Boston Children's Hospital, Boston, MA
2022-present	Gastroenterology Procedure Unit Leadership Operations Committee	Division of Gastroenterology, Hepatology and Nutrition, Boston Children's Hospital, Boston, MA
2022-present	HLD/Sterilization Committee	Boston Children's Hospital, Boston, MA

National and International

2007-2020	Education in Quality Improvement for Pediatric Practice (EQIPP) for Gastroesophageal Reflux Planning Group	Collaborative effort (American Academy of Pediatrics, Child Digestive Diseases Health Foundation, North American Society of Pediatric, Gastroenterology and Nutrition)
	2007-2011	Planning Group Member and Faculty – 1st Edition
	2012-2015	Executive Faculty Member – 2 nd Edition
2008	Discussion Panel, Inpatient quality indicator #18: Gastrointestinal Hemorrhage Mortality Rate	Agency for Healthcare Research and Quality (AHRQ) at the National Institutes of Health (NIH)
2008-2011	SedationFacts.com, Advisory Board Member	Sedation Coalition of Societies (American Society of Gastrointestinal Endoscopy, American Gastroenterology Association, American College of Gastroenterology, American Academy for the Study of Liver Diseases, and Society for Gastroenterology Nurses and Associates)
2009-2018	International Sedation Task Force – Pediatrics Committee	World Society of Intravenous Sedation, Invited Member
2009-present	Special Government Employee, Gastrointestinal Drugs Advisory Committee (GIDAC)	Food and Drug Administration (FDA)
2011	American Representative to the Executive Committee, Pediatric Endoscopy Quality and Safety Indicators	Canadian Association of Gastroenterology (CAG)
2012-2014	Gastrointestinal / Genitourinary Measures, GI/GU Steering Committee Member	National Quality Forum (NQF)
2013-present	Pediatric Executive Committee Member, Sedation Consortium on Endpoints and	Food and Drug Administration (FDA) Invited Member

2019-present	Procedures for Treatment Education, and Research (SCEPTER) International Committee for the Advancement of Procedural Sedation	International Committee for the Advancement of Procedural Sedation Invited Member
2020-2026	Executive Leadership Committee	North American Society of Pediatric Gastroenterology, Hepatology, and Nutrition (NASPGHAN)
2022-2026	Executive Committee	Federation of International Societies of Pediatric Gastroenterology, Hepatology and Nutrition (FISPGHAN)
2022-present	The White House/Health and Human Services Formula Shortage Task Force	The White House Office of Public Engagement; U.S. Department of Health and Human Services

Professional Societies

1995-present	American Academy of Pediatrics (AAP) 2005-present 2010-2016	Fellow Member, Executive Committee of Section on Gastroenterology, Hepatology and Nutrition (SOGHN) (<i>by National Election 2010, re-elected for 2nd term 2013</i>)
	2011-2016	Member, National Convention and Exhibition Planning Group (NCEPG)
	2015-2019	Chair, Executive Committee of Section on Gastroenterology, Hepatology and Nutrition (SOGHN) (<i>by National Election 2015, 2017</i>)
	2019-2023	Past-Chair, SOGHN
1998-present	American Gastroenterology Association (AGA) 2005-2012	Member, Abstract Selection Committee for Annual Meeting Scientific Program (Digestive Disease Week)
	2007-2009	Chair, Abstract Selection Committee for Annual Meeting Scientific Program (Digestive Disease Week)
	2012-present 2016-2020	Fellow Member, Abstract Selection Committee for Annual Meeting Scientific Program (Digestive Disease Week)

1999- present	North American Society of Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN)	
	2000-2002	Co-Chair, Fellows' Committee
	2002-2005	Member, Training Committee
	2005-2007	Member, Endoscopy and Procedures Committee
	2006-present	Co-Chair, Survey Task Force
	2007-2009	Chair, Endoscopy and Procedures Committee
	2007-2009	Member, Annual Meeting Program Planning Committee
	2008	Member (<i>Invited</i>), Strategic Planning Committee
	2009	Course Director, Therapeutic Pediatric Endoscopy – “Hands on” Course
	2010	Course Director, Therapeutic Pediatric Endoscopy – “Hands on” Course
	2011-2013	Councilor (<i>by National Election</i>)
	2012	Course Director, Therapeutic Pediatric Endoscopy – “Hands on” Course
	2012-2015	Co-Chair, Maintenance of Certification (MOC) Task Force
	2013	Course Director, Basic Endoscopic Emergencies in Pediatrics (“BEEP”)
	2015-2019	Member, ABP-MOC Task Force
	2109	Co-Course Director, Children’s Hands-on Interventional Methods in Endoscopy (“CHIME”)
	2019-2020	Board Member, NASPGHAN Foundation
	2020-present	Fellow
	2020-2022	President-Elect
	2022-2024	President
	2024-2026	Past-President
2006- present	American Society of Gastrointestinal Endoscopy (ASGE)	
	2007-2009	Vice-Chair, Pediatrics Committee
	2007-2011	Member, Scientific Program Committee for Annual Meeting (<i>Digestive Disease Week</i>)
	2009-2011	Chair, Pediatrics Committee
	2009-2018	Member, Abstract Selection Committee for Annual Meeting Scientific Program (<i>Digestive Disease Week</i>)
	2009	Fellow

2011		Member (<i>Invited</i>), Strategic Planning Committee
2012-2016		Member, Standards of Practice Committee
2020		Member, Search committee for new editor, <i>VideoGIE Journal</i>
2020-present		Member, Publications committee
2021-2022		Member, Search committee for new Editor-In-Chief, <i>Gastrointestinal Endoscopy (GIE)</i>

Grant Review Activities

2009	Clinical Research Program (CRP) Research Grant Program	Children's Hospital Boston, Boston, MA Reviewer
2021	ZDK1 GRB-9(M2) NIDDK Consortium	National Institute for Digestive Diseases and Kidney Disorders (NIDDK), <i>ad hoc</i> Reviewer

Editorial Activities

Ad Hoc Reviewer

American Journal of Gastroenterology, British Medical Journal (BMJ) Pediatrics, BMJ Open, BMJ Anesthesiology, Gastroenterology, Gastrointestinal Endoscopy, International Journal of Pediatrics, Journal of American Medical Association (JAMA), JAMA Pediatrics, Journal of Pediatrics Gastroenterology, Journal of Pediatric Gastroenterology and Nutrition, McMaster Online Rating of Evidence (MORE), Pediatrics, Pediatric Analgesia and Anesthesia, Simulation in Medicine

Other Editorial Roles

2007-2010	Section Editor	Journal of Pediatric Gastroenterology and Nutrition
2009-2014	Associate Editor	Gastrointestinal Endoscopy
2016	Guest Editor	Gastrointestinal Endoscopy Clinics of North America, Volume 26, Issue 1, pp.1-220.
2018-2020	Member, Editorial Board	Gastrointestinal Endoscopy
2020-2023	Chair, Editorial Board	Gastrointestinal Endoscopy

Honors and Prizes

1991	Humanities and Medicine Awards Program	Princeton University, Princeton, NJ and Mount Sinai School of Medicine, New York, NY	Selected candidate
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1993	Health Promotion / Disease Prevention Research Award	National Health Service Corps / American Medical Student Association	Awarded to best manuscript
1994	William Haddon Jr. MD Top Student Paper on Injury Prevention	Southern California Injury Prevention Research Award, San Diego, CA	Awarded to best manuscript
1996	Elizabeth Azzara Annual Research Award	The Children's Liver Association Support Services, Los Angeles, CA	Awarded to best manuscript
1997	Elizabeth Azzara Annual Research Award	The Children's Liver Association Support Services, Los Angeles, CA	Awarded to best manuscript
2005	Endoscopy Prize	North American Society of Pediatric Gastroenterology and Nutrition, Flourtown, PA	Awarded to best abstract
2006	Research Excellence in GI and Liver (REGAL) Award	Research Excellence in GI and Liver (REGAL), Chicago, IL	Selected candidate
2007	Gastroenterology Emerging Leaders Programme	Gastroenterology Emerging Leaders Programme, Gothenburg, Sweden	Selected candidate
2008	Cook Endoscopy Award	American Society of Gastrointestinal Endoscopy, Oak Brook, IL	Selected candidate
2009	2 nd Prize – Best Research Abstract	International Pediatric Simulation Symposium, Amsterdam, Holland	Awarded for best abstracts
2011	Attendee	Leadership Development Course for Physicians and Scientists	Harvard Medical School
2015	Attendee	Physician Leadership Development Program	University of Massachusetts Medical School
2019	Silverman Visiting Professorship	Colorado Children's Hospital, Aurora, CO	University of Colorado
2019	Endoscopy Prize	NASPGHAN, Ambler, PA	Best abstract

2022	Frank Jehle Attending of the Year Award	Department of Pediatrics, Children’s Medical Center	University of Massachusetts Medical School
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Report of Funded and Unfunded Projects

- 2002-07 “Improving safety of pediatric sedation”
National Institutes of Health /Agency for Research in Healthcare Quality
Mentored Career Development Award #K08 HS13607
PI, \$466,000
To determine incidence and risk factors for adverse events during pediatric sedation, including agitation, respiratory compromise, cardiovascular instability, vomiting and unplanned admission.
- 2003-05 “Randomized controlled trial of capnography for improving patient safety during sedation”
Risk Management Foundation
PI, \$50,000
To determine the potential impact of using capnography as routine monitoring during procedural sedation to reduce hypoxemia.
- 2007-09 “Improving the safety of gastrointestinal endoscopy through simulation”
American Society of Gastrointestinal Endoscopy
PI, \$150,000
To test the use of simulation-based training at increasing clinical competence, as well as reducing patient pain and other adverse events. A secondary aim was to examine whether simulation performance can be predictive of actual procedural performance.
- 2011-13 “Reducing unnecessary variation in care for children with Ulcerative Colitis”
Provider-Payor Quality Initiative (PPQI) Award
PI, \$230,104
To standardize clinical practice in pediatric gastroenterology around the treatment of Ulcerative Colitis, an inflammatory bowel disease associated with prolonged hospitalization and high costs, to minimize unwarranted provider variation and maximize health care value.
- 2012-16 “PedsQL in chronically ill youth”
National Institutes of Health / National Institute of Alcohol Abuse R01 AA021913
Collaborator
To examine impact of adolescence health risk behaviors on the quality of life of patients with pediatric chronic diseases, including inflammatory bowel diseases.
- 2013-16 “Understanding the patient perspective of troublesome PEG tubes in children”
Boston Children’s Hospital Department of Medicine Quality Program Grant
PI, \$25,000

To measure the impact of a series of patient centered QI initiatives aimed at reducing unwarranted resource utilization by children with PEGs.

Current

2016-2022 CAPE Study, No. P11-292, “A Long-Term Non-Interventional Registry”
 Sponsored by Abvie
 Site PI, \$465,000 (direct and indirect)
 To assess safety and effectiveness of Humira® (Adalimumab) in Pediatric Patients with Moderately to Severely Active Crohn's Disease

Report of Local Teaching and Training

Teaching of Students in Courses

2003-2007	GI Pathophysiology HMS II students	Harvard Medical School 2.5 hour sessions x 1-2/year
2007-2014	Epidemiology 208 Master’s level students enrolled in the Program for Clinical Effectiveness	Harvard School of Public Health 2 hour sessions x 2-3/year
2014-2022	Foundations of Health and Disease (FHD) UMass first year medical students	UMass Medical School 2 hour sessions x 1-2/year
2014-2022	Medical Error and Patient Safety (ISC) UMass second year medical students	UMass Medical School 2 hour session x 1/year

Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)

2002-2013	Procedural sedation for endoscopy Clinical fellows in the Division of GI, Hepatology and Nutrition at Boston Children’s Hospital	Children’s Hospital Boston 1 hour session x1/year
2006-2013	Academic Development Block – Balancing career and family PGY III residents at Boston Children’s Hospital	Children’s Hospital Boston 1.5 hour sessions x 4/year
2007-2011	Fundamentals of sedation for GI Endoscopy	Harvard Fellowships in Gastroenterology (BIDMC, BWH), 1 hour lecture x1/year
2007-2013	Introduction to grant writing Residents, clinical fellows and research fellows	Boston Children’s Hospital 1 hour lecture x 1-2/year
2008-2013	Celiac Disease	Children’s Hospital Boston

	PGY II residents	1 hour lecture x 6/year
2009-2013	Art of grantsmanship Clinical and research fellows	Children's Hospital Boston and Brigham and Women's Hospital 1 hour lecture every year
2014-2022	Attending Rounds	UMass Memorial Pediatric Residency Program 1 hour lecture 2-3x/year
2014-2022	Various topics in Pediatric GI	NICU Fellows Lecture Series, 1 hour lecture 2-3x/year
2022-present	PGY II residents and Clinical fellows -Constipation, Celiac Disease, and other topics	Boston Children's Hospital 1 hour lecture x 6/year

Clinical Supervisory and Training Responsibilities

2001-2005	Parenteral Nutrition Inpatient Attending Boston Children's Hospital	Medical Students, Residents, Clinical Fellows / 1-2 months per year
2002-2013	GI Consult Service Attending, Boston Children's Hospital	Medical Students / Clinical Fellows / 2 week blocks 1-2/year
2003-2013	GI Inpatient Service Attending, Boston Children's Hospital	Medical Students, Residents, Clinical Fellows, 2 week blocks 1-2/year
2007-2010	Ambulatory GI Clinic Attending, Boston Children's Hospital	Clinical Fellows, One half session per week
2014-2022	Pediatric GI Elective Rotation	UMass Medical Students, 4 week blocks 4-6x/year
2014-2022	GI Rotation/UMass Pediatric Residency Program	Pediatric Residents, 4 week blocks 6-8x/year
2022-present	Parenteral Nutrition Inpatient Attending Boston Children's Hospital	Medical Students, Residents, Clinical Fellows / 1 month per year
2022-present	GI Consult Service Attending, Boston Children's Hospital	Medical Students / Clinical Fellows / 2 week blocks 1-2/year
2022-present	GI Inpatient Service Attending, Boston Children's Hospital	Medical Students, Residents, Clinical Fellows, 2 week blocks 1-2/year

Laboratory and Other Research Supervisory and Training Responsibilities

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| 2009-12 | 'Multi-Disciplinary' Member, Scholarship Oversight Committee for Division of Emergency Services Emergency Department Fellows, Boston Children's Hospital | 4 hour session 2x/year x 3 years |
| 2011-13 | 'Multi-Disciplinary' Member, Scholarship Oversight Committee for Department of Cardiology Fellows, Boston Children's Hospital | 4 hour session 2x/year |

Formally Supervised Trainees

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| 2005 | Sanjoy Bannerjee MD, MPH/ Staff Physician, Toledo Children's Hospital, Toledo, OH
First author on manuscript describing variations in liver biopsy practices among pediatric gastroenterologist. | |
| 2006-2013 | Lisa B. Mahoney, MD / PGY III Boston Children's Hospital, Boston, MA / Current role: Attending in Pediatric Gastroenterology at Boston Children's Hospital
Co-author on 6 manuscripts. Recipient of North American Society of Pediatric Gastroenterology Hepatology and Nutrition (NASPGHAN) Medical Student Research Award, 2012. | |
| 2006-2009 | Douglas S. Fishman, MD / Fellowship Mentor.
First author on endoscopic research manuscript. Current position: Professor of Pediatric Gastroenterology, Director of Endoscopy Unit, University of Texas- Baylor College of Medicine | |
| 2007-2013 | Michael Manfredi, MD / Fellowship co-mentor. Current role: Director of Endoscopy, Boston Children's Hospital, Boston, MA; Assistant Professor of Pediatrics, Harvard Medical School
First author on 2 endoscopy manuscripts, as well as junior author on 2 chapters and 4 abstracts concerning pediatric endoscopy. Current member of the NASPGHAN Endoscopy and Procedures Committee, and the Technology Committee for ASGE .
Awarded a Center for Integration of Medicine and Innovative Technology grant 2012. | |
| 2009-2013 | Maireade E. McSweeney MD, MPH / Fellowship and Junior Faculty Mentor. Current Position: Director of Quality and Patient Safety, Division of Gastroenterology, Hepatology and Nutrition; Staff Physician, Boston Children's Hospital, Boston, MA; Assistant Professor in Pediatrics, Harvard Medical School
First author on three quality research manuscripts. Junior author on chapter in major textbook. | |
| 2011-2012 | Naamah Zitomersky MD/ Staff Physician, Boston Children's Hospital, Boston, MA; Current Role: Assistant Professor in Pediatrics, Harvard Medical School
Fellowship co-mentor. First author on a manuscript regarding improving patient safety through anti-thrombotic prophylaxis in children with inflammatory bowel disease. | |

- 2011-2013 Amit Grover MB BCH BAO / Instructor in Pediatrics, Harvard Medical School Fellowship mentor. First author on several manuscripts focused on risk factors for disease severity in children with acute pancreatitis.
- 2012 Emilie K. Johnson MD, MPH / Former fellow in Urology, Boston Children’s Hospital, Boston, MA; Now Assistant Professor in Urology at the Northwestern University Feinberg School of Medicine.
First author on manuscripts on research methodology, as well as investigating enteral tubes as a risk factor for urolithiasis in children. Successfully pursued career development funding and academic position following her fellowship.
- 2014-2017 Richard Lirio, MD/ Junior faculty mentor. Current role: Medical Director, Takeda Pharmaceuticals.
First author on abstract regarding use of EsoFLIP for dilation of esophageal strictures in children.
- 2015-2019 Ninfa Candela, MD/ Junior faculty mentor. Current role: Medical Affairs, Takeda Pharmaceuticals.
First author on abstract regarding knowledge, attitude and perceptions of primary care providers regarding indications for endoscopy in children with reflux symptoms.
- 2016- Jay Fong, MD/Faculty mentor. Current role: Assistant Professor in Pediatric Gastroenterology and Nutrition, University of Massachusetts Medical School.
First author on manuscript regarding utility of specialized staining for *Helicobacter pylori* in children in a non-endemic region.
- 2017- T. Matt Shields, MD Faculty mentor. Current role: Assistant Professor in Pediatric Gastroenterology and Nutrition, University of Massachusetts Medical School.
First author on manuscript on vomiting. Conducting IRB research on cannabinoid induced gastrointestinal symptoms in adolescents.
- 2019-2021 Kayla Hartjes, MD/Current Advanced Hepatology Fellow, Boston Children’s Hospital; Former -Fellow in Pediatric Gastroenterology, Division of Pediatric Gastroenterology, Hepatology, and Nutrition, Massachusetts General Hospital, Boston, MA
First author on manuscript on unwarranted variation in anesthesiologist-administered sedation for gastrointestinal endoscopy.

Formal Teaching of Peers (e.g., CME and other continuing education courses)

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| 2012 | Simulation of pediatric endoscopy.
Advances in Pediatric Gastroenterology, Hepatology and Nutrition 2012 | Children's Hospital Boston,
Boston, MA |
| 2014 | Milk protein allergy vs. lactose intolerance. CME Program. Community Practice and Neonatology Annual Evening Lecture Series | UMass Memorial Children’s
Medical Center, Worcester, MA |

2014	Telltale signs of Inflammatory Bowel Disease. Advanced Faculty Development Retreat, Cape Cod, MA	University of Massachusetts Medical School, Worcester, MA
2015	Quality of pediatric endoscopy. Advances in Pediatric Gastroenterology, Hepatology and Nutrition 2015	Children's Hospital Boston, Boston, MA
2016	Demystifying non-IgE food allergy. Primary Care Pediatrics Day 2016	UMass Memorial Children's Medical Center, Worcester, MA
2018	Food allergies. Multi-cultural Women's Health Summit, University of Massachusetts Medical School, Worcester, MA.* (*Interprofessional Educational Activity)	University of Massachusetts Medical School, Worcester, MA
2019	Assessing Patients for Celiac Disease. 20 th Annual UMass Primary Care Day.	Westborough, MA
2020	Current advances in esophagitis. 21 st Annual UMass Primary Care Day (postponed due to Covid-19)	Westborough, MA

Local Invited Presentations

1998	Septo-optic Dysplasia and Neonatal Hepatitis / Longwood Conference. Brigham and Women's Hospital, Boston, MA
2000	Familial Adenomatous Polyps / Longwood Conference. Beth Israel Deaconess Medical Center, Boston, MA
2000	Coping with GI Fellowship. Children's Hospital Boston, Boston, MA
2001	Autoimmune Hepatitis / Longwood Conference. Brigham and Women's Hospital, Boston, MA
2001	Measuring effectiveness of conscious sedation in children / Works-In-Progress Series, Health Services Research Program. Children's Hospital Boston, Boston, MA
2002	Improving safety of pediatric sedation / Works-In-Progress Series, Health Services Research Program. Children's Hospital Boston, Boston, MA
2003	Randomized controlled trial of capnography to improve patient safety during sedation. Harvard School of Public Health, Boston, MA
2005	Pride, prejudice and pediatric sedation. (<i>Invited Alum Presenter</i>) Harvard Pediatric Health Services Research Fellowship Conference. Children's Hospital Boston, Boston, MA
2009	Standardizing practice in IBD. Health Quality Outcomes Forum (HQOF) Department of Medicine. Children's Hospital Boston, Boston, MA
2009	Funding Clinical and Translational Research. (<i>Invited Speaker</i>) Visiting Research Internship Program (VRIP) and Summer Clinical and Translational Program (SCTP)

- Student Seminars. Office of Diversity and Community Partnership. Harvard Medical School. Boston, MA
- 2010 How to Set Up a Clinical Trial. (*Invited Speaker*) Office of Faculty Development. Children's Hospital Boston, Boston, MA
- 2010 Pediatric resource use: determination of effective and necessary targets. Clinical Outcomes Committee monthly conference. Children's Hospital Boston, Boston, MA
- 2010 Introducing PRUDENT: How Hematopoietic Stem Cell Transplant (HSCT) faculty is leading the way! Division of Hematology and Oncology. Jimmy Fund Clinical Conference. Dana Farber Cancer Research Center. Boston, MA
- 2011 Reducing variation in the care of children with GI disease. Grand Rounds. Division of Gastroenterology, Hepatology and Nutrition. Children's Hospital Boston, Boston, MA
- 2012 Impact of a conservative red blood cell transfusion strategy in children. (*Invited Alum Presenter*) Harvard Pediatric Health Services Research Fellowship Alumni-Fellows Journal Club. Children's Hospital Boston, Boston, MA
- 2013 Collaborating with colleagues in the quest to improve quality. Grand Rounds. Division of Gastroenterology, Hepatology and Nutrition. Children's Hospital Boston, Boston, MA
- 2013 The Enteral Tube Program. Health Quality Outcomes Forum (HQOF) Department of Medicine. Children's Hospital Boston, Boston, MA
- 2016 Proton pump inhibitors: To treat or not to treat. Pediatric Grand Rounds, Heywood Hospital, Gardner, MA
- 2017 PPI: To treat or not to treat. Pediatric Grand Rounds, UMass Memorial Children's Medical Center, Worcester, MA
- 2017 Heading North with the Children's Medical Center. Pediatric Grand Rounds, UMass Memorial Children's Medical Center, Worcester, MA
- 2018 Food allergies. Multi-cultural Women's Health Summit, University of Massachusetts Medical School, Worcester, MA.* (*Interprofessional Educational Activity)
- 2018 Scoping out the Anesthesia Black Box Warning: The Pediatric GI Perspective. Pediatric Grand Rounds, UMass Memorial Children's Medical Center, Worcester, MA
- 2022 Lessons to date on balancing academic medical careers and family. Division of Gastroenterology Grand Rounds, Boston Children's Hospital, Boston, MA

Report of Regional, National and International Invited Teaching and Presentations

[Invited Presentations and Courses](#)

Those presentations below sponsored by 3rd parties/outside entities are so noted and the sponsors are identified

Regional

- 2003 Endoscopic Sedation, New England Endoscopic Society Regional Fellows Course, Boston, MA
- 2003 Sedation and Patient Monitoring. New England Society of Gastroenterology, Nurses and Associates (NESGNA). Burlington, MA
- 2004 Endoscopic Sedation, New England Endoscopic Society Regional Fellows Course. Boston, MA

- 2005 Endoscopic Sedation, New England Endoscopic Society Regional Fellows Course. Boston, MA
- 2006 Infant Colic. (*Invited Speaker*) Teaching conference. Department of Pediatrics. University of Massachusetts, Worcester, MA
- 2008 Improving ambulatory sedation and monitoring. (*Invited Speaker*) New England Society for Gastroenterology Nurses and Associates (NESGNA). Newton, MA
- 2013 Collaborating with colleagues in the quest to improve quality. Grand Rounds. Department of Pediatrics. University of Massachusetts, Worcester, MA
- 2014 Gastroenterology Endoscopy, Sedation and Monitoring. (*Invited Speaker/faculty*) Radcliffe Exploratory Seminar, Cambridge, MA
- 2014 GER vs. GERD: To 'd' or not to 'd'. Pediatric Grand Rounds, Harrington Hospital
- 2016 Measuring Quality in Pediatric Endoscopy. Grand Rounds. Division of Gastroenterology, Hepatology and Nutrition. Children's Hospital Boston, Boston, MA
- 2018 Anesthesia and the Developing Brain. GI Grand Rounds, Children's Hospital Boston, Boston, MA
- 2022 Practicing Pediatrics in the Guideline Era: The Good, the Bad and the Ugly, GI Grand Rounds, Children's Hospital Boston, Boston, MA

National

- 2000 Analysis of formal language testing following an open-label trial of secretin in children with autism. Platform presentation at the Annual National Meeting of the Society for Pediatric Research, Boston, MA. (*Abstract submitted.*)
- 2001 Impact of secretin infusion in children with Autism. (*Invited Speaker*) University of California, San Francisco, San Francisco, CA
- 2005 Efficiency of propofol sedation versus conscious sedation with midazolam and fentanyl in a pediatric endoscopy unit. Platform presentation at Digestive Disease Week, Chicago, IL. (*Abstract submitted.*)
- 2005 A randomized double-blind controlled trial of microstream capnography to reduce oxygen desaturation during gastrointestinal procedures with conscious sedation. Platform presentation at Digestive Disease Week, Chicago, IL. (*Abstract submitted. Awarded Endoscopy Research Prize.*)
- 2005 Clinical Symposium on Endoscopic Procedures: Controversies and Future Directions. (*Invited Speaker*) Concurrent session at the annual meeting of the North American Society of Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN). Salt Lake City, UT.
- 2005 Getting the most out of your fellowship. (*Invited Faculty*) North American Society of Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN) 1st Year Fellows Conference, Key Biscayne, FL.
- 2006 How to Tell the NIH You are Pregnant: Lessons to date on balancing academic medical careers and family. (*Invited Faculty*) NASPGHAN 3rd Year Fellows Conference, Scottsdale, AZ.
- 2006 Safety of endoscopist versus anesthesiologist administered sedation for pediatric endoscopy: in and outside the operating room. Platform presentation at Digestive Disease Week, Los Angeles, CA. (*Abstract submitted.*)

- 2007 Sedation of the pediatric patient. 4th Annual Endoscopic Sedation: Preparing for the future. New York, NY (*Sponsored by Mount Sinai School of Medicine, Digestive Disease Research Council, American Gastroenterological Association (AGA) Institute*)
- 2007 Efficiency of propofol for pediatric endoscopy: a comparison of hospital settings. Platform presentation at Digestive Disease Week, Washington, D.C. (*Abstract submitted.*)
- 2007 Role of propofol and general anesthesia in pediatric endoscopy. (*Invited Speaker*) New York Society for Gastrointestinal Endoscopy (NYSGE) annual course. New York, NY
- 2007 Sedation Continuum: Levels, pharmacology and pharmacokinetics. American Society of Gastrointestinal Endoscopy (ASGE) Master Series Course. Oak Brook, IL
- 2008 Issues in pediatric gastroenterology. (*Invited faculty*) American Gastroenterological Association (AGA) post-graduate course. Montreal, Canada.
- 2008 Conscious Sedation in endoscopy – in children. (*Invited Speaker*) American College of Gastroenterology (ACG) Regional Post-graduate Course. Chicago, IL
- 2008 Ketamine versus midazolam/fentanyl sedation for pediatric endoscopy. Platform presentation at Digestive Disease Week, San Diego, CA. (*Abstract submitted.*)
- 2008 Sedation for endoscopy. NASPGHAN and ASGE Hands-on Pediatric Endoscopy Course, ASGE Interactive Training and Technology Center, Oak Brook, IL
- 2008 CDHNF Driving the AAP eQIPP Module on GERD. (*Invited Speaker*) Plenary Session. NASPGHAN annual meeting. San Diego, CA.
- 2008 Sedation Continuum: Levels, pharmacology and pharmacokinetics. ASGE Master Series Course. Oak Brook, IL
- 2008 Capnography. ASGE Master Series Course. Oak Brook, IL
- 2009 Tools for improving safety in the GI Unit. (*Invited Speaker*) General Session. Society of Gastroenterology Nurses and Associates, Inc. St. Louis, MO
- 2009 Endoscopic Monitoring: Advancing the Science. (*Invited Speaker*) Clinical Symposium. Digestive Disease Week, Chicago, IL
- 2009 Simulation-based training is preferable to case-based interactive education in teaching pediatric endoscopy providers to manage procedural complications. Platform presentation. Digestive Disease Week. Chicago, IL. (*Abstract submitted.*)
- 2009 Sedation Continuum: Levels, pharmacology and pharmacokinetics. ASGE Master Series Course. Oak Brook, IL
- 2009 Advances in Monitoring for Endoscopy: Capnography, BIS, etc. ASGE Master Series Course. Oak Brook, IL
- 2009 Sedation and Crisis Resource Management. NASPGHAN and ASGE Hands-on Pediatric Endoscopy Course, ASGE Interactive Training and Technology Center, Oak Brook, IL
- 2009 eQipping the pediatrician with strategies for GER and GERD. (*Invited Speaker*) American Academy of Pediatrics (AAP) National Conference and Exhibit (NCE). Washington, D.C.
- 2010 Manuscript Writing 101. (*Invited Faculty*) NASPGHAN 1st Year Fellows Conference, Fort Lauderdale, FL
- 2010 Advances in sedation. (*Invited Speaker*) Meet the Professor Breakfast. Digestive Disease Week. New Orleans, LA
- 2010 Initial evaluation of an open-line open access educational resource for endoscopy providers. Digestive Disease Week. New Orleans, LA. (*Abstract submitted.*)
- 2010 Sedation Continuum: Levels, pharmacology and pharmacokinetics. ASGE Master Series Course. Oak Brook, IL
- 2010 Advances in Monitoring for Endoscopy. ASGE Master Series Course. Oak Brook, IL

- 2011 Milk Intolerance: Is it the lactose, milk protein, IBS or superstition? (*Invited Speaker*) American Academy of Pediatrics (AAP) National Conference and Exhibit (NCE). Boston, MA
- 2012 Clinical use of the PUCAI. (*Invited Speaker*) ImproveCareNow Spring Learning Session. Chicago, IL
- 2012 Endoscopy as a career. (*Invited Faculty*) NASPGHAN 2nd Year Fellows Course. Scottsdale, AZ
- 2012 Clinical Educator Pathway. (*Invited Faculty*) American Gastroenterological Association (AGA) Institute Academic Skills Workshop. Chicago, IL
- 2012 Multisociety sedation curriculum for endoscopy. (*Invited Speaker*) New York Society for Gastrointestinal Endoscopy (NYSGE) Annual Course. New York, NY
- 2013 Capnography. (*Invited Speaker*) Crittendon Medical Insurance Conference. Boston, MA (Sponsors: Converys, Second Image National, Imperial PFS, Hamlin & Burton Liability Management, Sedgwick, First Insurance, etc.)
- 2013 EQIPPING the pediatrician with strategies for GER and GERD. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Hilton Head, SC
- 2013 Celiac Disease: A primer for all physicians. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Hilton Head, SC
- 2013 Telltale signs of inflammatory bowel disease in children. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Hilton Head, SC
- 2013 Zen and the art of managing magnets, batteries and other foreign body ingestion. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Hilton Head, SC
- 2013 Endoscopy in the High Risk Patient. (*Invited Faculty*) North American Society of Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN) Annual Post-graduate Course. Chicago, IL
- 2014 Measuring Quality in Pediatric Endoscopy: Are we there yet? (*Invited Faculty*) North American Society of Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN) Annual Meeting. Atlanta, GA
- 2015 Celiac Disease: A primer for all physicians. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Santa Fe, NM
- 2015 Milk Intolerance: Is it the lactose, milk protein, IBS or superstition? (*Invited Faculty*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Santa Fe, NM
- 2015 Telltale signs of inflammatory bowel disease in children. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Santa Fe, NM
- 2015 Identifying liver disease in obese children: now what to do? (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Santa Fe, NM
- 2015 Eosinophilic esophagitis: Current diagnosis and management. 2015 ASGE Postgraduate Course. (*Invited Faculty*) Best Practices 2015: Understanding the evidence and enhancing your skills. Walter E. Washington Convention Center, Washington, DC
- 2015 Ensuring high quality endoscopy in children. (*Invited Faculty*) 37th Annual Aspen Conference on Pediatric Gastrointestinal Disease, Aspen, CO
- 2015 Etiologies and treatment of GI bleeding in children. (*Invited Faculty*) 37th Annual Aspen Conference on Pediatric Gastrointestinal Disease, Aspen, CO

- 2015 Rocky Mountain High: Facts about marijuana that every pediatric gastroenterologist should know. (*Invited Faculty*) 37th Annual Aspen Conference on Pediatric Gastrointestinal Disease, Aspen, CO
- 2015 Don't forget the pancreas. (*Invited Faculty*) 37th Annual Aspen Conference on Pediatric Gastrointestinal Disease, Aspen, CO
- 2015 Eosinophilic Esophagitis. (*Invited Faculty*) 37th Annual Aspen Conference on Pediatric Gastrointestinal Disease, Aspen, CO
- 2015 When the going gets tough: Improving outcomes of colonoscopy. (*Invited Faculty*) North American Society of Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN) Annual Meeting. Washington, DC
- 2015 Meet the Professor: Measuring quality of pediatric endoscopy. (*Invited Faculty*) North American Society of Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN) Annual Meeting. Washington, DC
- 2016 Work-Life Balance: a.k.a. How to tell the NIH you are pregnant and other lessons to date on developing your career and family. (*Invited Faculty*) NASPGHAN 2nd Year Fellow's Course. Scottsdale, AZ
- 2016 Measuring quality in pediatric endoscopy. (*Invited Faculty*) Boston Children's Hospital Advances in Pediatric Gastroenterology, Hepatology and Nutrition 2016, Boston, MA
- 2016 Systematic Review and Meta Analysis of the Effectiveness of Capnography Monitoring for Detecting Severe Oxygen Desaturation During Endoscopic Procedural Sedation. (*Abstract submitted*) Platform Presentation at DDW, 2016
- 2016 Everyone is constipated until proven otherwise. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. New York, NY
- 2016 Making peace with gluten sensitivity: what to know, what to say. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. New York, NY
- 2016 Telltale signs of inflammatory bowel disease in children. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. New York, NY
- 2016 Identifying liver disease in obese children: Now what to do? (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. New York, NY
- 2016 Pediatric sedation: how to identify adverse events. (*Invited Speaker.*) SCEPTER II (Food and Drug Administration (FDA)) Meeting: Clinical Trials to Evaluate Safety Outcomes in Procedural Sedation, Washington, D.C.
- 2017 Collaboration with sister societies. (*Invited speaker.*) Annual Leadership Forum (ALF). American Academy of Pediatrics (AAP). Schaumburg, IL
- 2017 Eosinophilic esophagitis: when food keeps getting stuck. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Orlando, FL
- 2017 Making peace with gluten sensitivity: what to know, what to say. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Orlando, FL
- 2017 Stool gazing: Appreciating all that poop can reveal. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Orlando, FL
- 2017 Identifying liver disease in obese children: Now what to do? (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Orlando, FL
- 2017 Scoping out the FDA Black Box Warning. (*Invited Faculty*) North American Society of Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN) Annual Meeting. Las Vegas, NV

- 2017 FPIES, EoE and other Gastrointestinal Disorders: Gastroenterology and Allergy Viewpoint. (*Invited Faculty.*) American College of Asthma, Allergy and Immunology (ACAAI), Boston, MA
- 2018 GI Disorders I/II. (*Invited Faculty.*) American Academy of Pediatrics (AAP). Prep the Course. Hendersonville, NV
- 2018 GI Disorders I/II. (*Invited Faculty.*) American Academy of Pediatrics (AAP). Prep the Course. Indiannapolis, IN
- 2019 Practicing Pediatrics in the Guideline Era: The Good, the Bad and the Ugly (*Silverman Visiting Professorship*) Colorado Children's hospital, Aurora, CO
- 2019 GI Disorders (*Invited Faculty.*) American Academy of Pediatrics (AAP). Prep the Cram. Itasca, IL
- 2019 Pediatric Endoscopy in High Risk Patients. (*Invited Faculty*) North American Society of Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN) Annual Meeting. Chicago, IL
- 2019 Pediatric GERD: The Fussy Baby. (*Invited Faculty*) 2019 GERD Symposium, Hackensack University Medical Center. Hackensack, NJ
- 2019 Everyone is constipated until proven otherwise! (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Orlando, FL
- 2019 Celiac Disease: A primer for all physicians. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Orlando, FL
- 2019 A show of force: diagnosing and managing episodic vomiting. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Orlando, FL
- 2019 Zen and the Art of Managing Magnets, Butteries and Other Foreign Body Ingestions. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Orlando, FL
- 2019 NAFLD and the epidemic of obesity. (*Invited Faculty.*) Joe DiMaggio Children's Hospital 30th Annual Pediatric Symposium. Hollywood, FL
- 2019 Everyone is constipated until proven otherwise! (*Invited Faculty.*) Joe DiMaggio Children's Hospital 30th Annual Pediatric Symposium. Hollywood, FL
- 2019 Assessing patients for celiac disease: making peace with gluten sensitivity. (*Invited Faculty.*) Joe DiMaggio Children's Hospital 30th Annual Pediatric Symposium. Hollywood, FL
- 2020 Milk intolerance: Is it the lactose, milk protein, IBS, or superstition? American Academy of Pediatrics (AAP) Practical Pediatrics Course, Savannah, GA (presented virtually because of COVID) (*Invited Faculty.*)
- 2020 Neon babies: Managing hyperbilirubinemia of the newborn. American Academy of Pediatrics (AAP) Practical Pediatrics Course, Savannah, GA (presented virtually because of COVID) (*Invited Faculty.*)
- 2020 Telltale signs of Inflammatory Bowel Disease in Children. American Academy of Pediatrics (AAP) Practical Pediatrics Course, Savannah, GA (presented virtually because of COVID) (*Invited Faculty.*)
- 2020 Everyone is constipated until proven otherwise. American Academy of Pediatrics (AAP) Practical Pediatrics Course, Savannah, GA (*Invited Faculty.*)
- 2020 GI Disorders (*Invited Faculty.*) American Academy of Pediatrics (AAP). PREP the Cram. (presented virtually because of COVID).

- 2020 How to incorporate QI into your clinical practice and research career. (*Invited speaker*) North American Society of Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN) Annual Meeting. Philadelphia, PA. (presented virtually because of COVID in 2021)
- 2021 A show of force: diagnosing and managing episodic vomiting. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Chicago, IL (presented virtually because of COVID)
- 2021 Making peace with gluten sensitivity: what to know, what to say. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Chicago, IL (presented virtually because of COVID)
- 2021 Identifying liver disease in obese children: Now what to do? (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Chicago, IL (presented virtually because of COVID)
- 2021 Differentiating GER from GERD in infants: To “D” or not to “D” (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course. Chicago, IL (presented virtually because of COVID)
- 2021 GI Disorders (*Invited Faculty.*) American Academy of Pediatrics (AAP). PREP the Cram. (presented virtually because of COVID)
- 2022 Telltale signs of Inflammatory Bowel Disease in Children. American Academy of Pediatrics (AAP) Practical Pediatrics Course, Baltimore, MD (*Invited Faculty.*)
- 2022 Neon babies: Managing hyperbilirubinemia of the newborn. American Academy of Pediatrics (AAP) Practical Pediatrics Course, Baltimore, MD (*Invited Faculty.*)
- 2022 Celiac Disease: A primer for all physicians. (*Invited Faculty.*) American Academy of Pediatrics (AAP) Practical Pediatrics Course, Baltimore, MD (*Invited Faculty.*)
- 2022 Milk intolerance: Is it the lactose, milk protein, IBS, or superstition? American Academy of Pediatrics (AAP) Practical Pediatrics Course, Baltimore, MD (*Invited Faculty*)
- 2022 Science of Formula Substitution. White House Formula Briefing, June 23, 2022 (*Invited Panel Member and Presenter*)
- 2022 Esophagus and Stomach in Health. American Society of Gastrointestinal Endoscopy (ASGE) ARIA Program, Oak Brook, IL. (*Invited Faculty*)
- 2022 Esophagus and Stomach in Disease. American Society of Gastrointestinal Endoscopy (ASGE) ARIA Program, Oak Brook, IL. (*Invited Faculty*)
- 2022 Quality Standards and Indicators for Pediatric Endoscopy. (*Invited Faculty*) North American Society of Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN) Annual Meeting. Orlando, FL
- 2022 Pediatric Gastroenterology: The Next 50 Years. (*Invited Speaker*) North American Society of Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN) Single Topic Symposium. Orlando, FL
- 2022 Getting on the Map: How to be a 360 Leader. (*Invited speaker*) North American Society of Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN) Jr. Faculty Course, Chicago, IL
- 2023 Research and Careers in Endoscopy. (*Invited speaker*) Division of Gastroenterology, Hepatology and Nutrition, Lurie Children’s Hospital, Chicago, IL
- 2023 Gender inequities in academic promotion. (*Invited panelist*) National Women Physician’s Day Event, Lurie Children’s Hospital, Chicago, IL

International

- 2007 A controlled trial of capnography. (*Award recipient.*) Emerging Leaders in Gastroenterology Programme. Gotburg, Sweden. (*AstraZeneca*)
- 2008 Sedation for endoscopy. (*Invited faculty*) Simposio Sul-americano do Aparelho Digestivo. Gramado, Brasil.
- 2008 Sedation strategies and patient monitoring. (*Invited faculty*) Simposio Sul-americano do Aparelho Digestivo. Gramado, Brasil.
- 2008 Evaluation of patients for celiac disease. (*Invited faculty*) Simposio Sul-americano do Aparelho Digestivo. Gramado, Brasil
- 2011 Mastering the Basics. (*Invited faculty*) Pediatric Endoscopy Hands-On Course. University of Minho, Braga, Portugal
- 2011 Fundamentals of foreign body removal in pediatrics. (*Invited faculty*) Pediatric Endoscopy Hands-On Course. University of Minho, Braga, Portugal
- 2012 Mastering the Basics. (*Invited faculty*) Pediatric Endoscopy Hands-On Course. University of Minho, Braga, Portugal
- 2012 Endoscopic Foreign Body Removal. (*Invited faculty*) Pediatric Endoscopy Hands-On Course. University of Minho, Braga, Portugal
- 2012 Endoscopic Hemostasis. (*Invited faculty*) Pediatric Endoscopy Hands-On Course. University of Minho, Braga, Portugal
- 2012 High Quality Sedation for Pediatric Endoscopy. (*Invited faculty*) World Congress of Pediatric Gastroenterology, Hepatology and Nutrition. Taipei, Taiwan
- 2013 Basics of Pediatric Endoscopy. (*Invited faculty*) Pediatric Endoscopy Hands-On Course. University of Minho, Braga, Portugal
- 2013 Foreign Body Removal. (*Invited faculty*) Pediatric Endoscopy Hands-On Course. University of Minho, Braga, Portugal
- 2014 Basics of Pediatric Endoscopy. (*Invited faculty*) Pediatric Endoscopy Hands-On Course. University of Minho, Braga, Portugal
- 2014 Foreign Body Removal. (*Invited faculty*) Pediatric Endoscopy Hands-On Course. University of Minho, Braga, Portugal
- 2014 New Guidelines in the Management of Gastroesophageal Reflux. Riviera Maya, Cancun, Mexico
- 2015 Endoscopy Foreign Body Retrieval. (*Invited faculty*) European Society of Pediatric Gastroenterology, Hepatology and Nutrition (ESPGHAN) Endoscopy Summer School. Sheffield, United Kingdom
- 2016 Advances in the Management of Gastroesophageal Reflux. (*Invited faculty*) Edicao Practica Pediatrica, Sao Paulo, Brazil
- 2016 Upskilling and Maintenance of Competency for Pediatric Colonoscopy (*Invited faculty*) World Congress of Pediatric Gastroenterology, Hepatology and Nutrition. Montreal, Canada
- 2018 Quality Metrics for Pediatric Endoscopy. (*Invited faculty*) Pediatric Endoscopy Hands-On Course. University of Minho, Braga, Portugal
- 2018 Foreign Body Removal. (*Invited faculty*) Pediatric Endoscopy Hands-On Course. University of Minho, Braga, Portugal

2021 International consensus on pediatric endoscopy reporting elements. (*Oral Abstract*) World Congress of Pediatric Gastroenterology, Hepatology and Nutrition. Vienna, Austria (Presented virtually because of COVID)

Report of Clinical Activities and Innovations

Licensure and Certification

1996 United States Medical Licensing Exam (#40192858)
 1997 Drug Enforcement Agency (#BL5444562)
 1997-2017 State of California Medical License (#A62024)
 2000 American Board of Pediatrics (#070440)
 2000 Commonwealth of Massachusetts Medical License (#208223)
 2005, 2015 American Board of Pediatric Gastroenterology (#612984)

Practice Activities

2002-2013	Attending Physician (Attend in Ambulatory Clinic, and on inpatient and consult services, and perform endoscopy)	Division of Gastroenterology, Hepatology and Nutrition, Children’s Hospital Boston, Boston, MA	30%
2014-2019	Attending Physician (Attend in Ambulatory Clinic, and on inpatient and consult services, and perform endoscopy)	Division of Pediatric Gastroenterology and Nutrition, UMass Memorial Children’s Medical Center	50%
2020-2022	Attending Physician (Attend in Ambulatory Clinic, and on inpatient and consult services, and perform endoscopy)	Division of Pediatric Gastroenterology and Nutrition, UMass Memorial Children’s Medical Center	30%
2022- present	Attending Physician (Attend in Ambulatory Clinic, and on inpatient and consult services, and perform endoscopy)	Division of Gastroenterology, Hepatology and Nutrition, Boston Children’s Hospital, Boston, MA	30%

Clinical Innovations

Capnography for patient monitoring during moderate sedation for gastrointestinal endoscopy at Children's Hospital Boston (2004)

Use of capnography has been widely adopted as a standard of care during moderate sedation for pediatric GI and other procedures at Children's Hospital in large part because of work I did both as a clinical investigator in gastrointestinal endoscopy, and as a physician leader on the hospital's sedation committee. My research has been widely reported in the GI and pediatric literature, and is discussed in several national guidelines. I have been invited to speak on the topic both at academic meetings, and to individual medical centers seeking help with implementation. I have also been invited to participate as a member of the FDA's Sedation Consortium on Endpoints and Procedures for Treatment Education, and Research (SCEPTER), which is interested in various measures of sedation, including capnograms.

Electronic record documentation and data basing of endoscopic procedures at Boston Children's Hospital (2007)

Implementation of an electronic documentation system that involves real time data basing of endoscopic procedures at Boston Children's Hospital has improved the quality of endoscopic reporting and image cataloguing at Children's, while allowing the monitoring of complications during procedures both at the main hospital and satellite sites. Quality metrics developed from data in this documentation system and reported both internally and at national meetings are forming the basis of national efforts to improve the quality of endoscopy in children.

Hands-on/simulation education for Pediatric Endoscopy (2005-2010)

Pioneer in the use of hands-on training for teaching the principals of both diagnostic and therapeutic endoscopy in children. I have studied the use of both part-task and high-fidelity models among clinicians involved in the care of children undergoing pediatric endoscopy, and have designed curricula that have been used locally, nationally and internationally.

Enteral tube service, Boston Children's Hospital (2010)

Established a multidisciplinary clinical service to provide both hospitalized and ambulatory patients with enteral tube care. Resulted in standardized processes and improved outcomes as well as greater satisfaction for both providers and patients.

Clinical care map for Ulcerative Colitis at Boston Children's Hospital (2012)

Led multidisciplinary group in designing a standardized approach to managing hospitalized children with moderate to severe colitis. Transported this innovation to UMass Memorial Hospital. Resulted in dramatic reductions in hospital length of stay for children with UC
Developed standardized pre-procedure checklist for children undergoing endoscopy. This checklist is now available for

Endoscopy Pre-procedure checklist (2020), EPIC EMR System Tools for Infants and Children Affected by Formula Shortages (2022)

unrestricted use in the EPIC Foundation System nationwide, based on published guideline of which I am first author. I developed, circulated to/validated with other nutrition experts, and then posted open access, on-line resources at the start of the formula shortage crisis in February 2022 that established standard categories of formulas safe to substitute for each other. These received wide press coverage, with multiple other organizations currently linking to this resource, including the American Academy of Pediatrics (AAP), The White House, the US Department of Health and Human Services, the Food and Drug Administration, the Association for Parenteral and Enteral Nutrition (ASPEN), etc. (This resulted in www.NASPGHAN.org web page views increasing from ~3000/month to >100,000/month).

Report of Education of Patients and Service to the Community

Activities

1991-94	Advocate, Mount Sinai Medical Center / New York City Rape Crisis Intervention Program, New York, NY
1992-95	Big Sister, Matched Program for East Harlem Youths / Mount Sinai School of Medicine Students, New York, NY
2003	Faculty, Four Directions Shadowing Native American Pre-Medical Student Program, Harvard Medical School
2009	Search Committee Member, Director for the Nursery School, Temple Emeth, Chestnut Hill, MA
2009	Member, Schools Committee, Temple Emeth, Chestnut Hill, MA
2010 -2013	Chair, Schools Committee, Temple Emeth, Chestnut Hill, MA
2016-present	Founding member, South Brookline Food Pantry at Temple Emeth, Chestnut Hill, MA
2017	Founding member, Shaw Road Philanthropic Group for Social Justice. Raised 10,000 for ACLU
2020	Community education talk about viruses. Temple Emeth, Chestnut Hill, MA
2021	Community education talk about vaccines and vaccine safety. Temple Emeth, Chestnut Hill, MA
2022	Temple Emeth Board, Temple Emeth, Chestnut Hill, MA

Recognition

2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019	Best Doctors	Best Doctors, Inc.
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2020, 2021,
2022

2010 Faculty of 1000 Medicine Science Navigation Group

2012, 2013, Who's Who in Medicine and Marquis Who's Who
2014, 2015, Healthcare
2016, 2017,
2018, 2019,
2020, 2021,
2022

2012, 2013, Who's Who in America Marquis Who's Who
2014, 2015,
2016, 2017,
2018, 2019
2020, 2021,
2022

2014, 2015, Castle Connolly Awards, Top Castle Connolly American Registry,
2016, 2017, Doctors of Central Massachusetts LLC
2018, 2019,
2020, 2021.
2022

2016, 2017, Castle Connolly Exceptional Women Castle Connolly American Registry,
2018, 2019, in Medicine LLC
2020, 2021,
2022

Report of Scholarship

133 Publications Listed at <https://pubmed.ncbi.nlm.nih.gov>

Peer reviewed publications in print or other media

1. **Lightdale J**, Prentice D. Rethinking sex differences in aggression: Aggressive behavior in the absence of social roles. *Personality and Social Psychology Bulletin*, 1994; 20: 30-44.
2. Prentice D, Miller D, **Lightdale J**. Asymmetries in attachments to groups and to their members; Distinguishing between common-identity and common-bond groups. *Personality and Social Psychology Bulletin*, 1994; 20: 484-493.
3. Oken E, **Lightdale J**, Welty T. Along for the ride: The prevalence of motor vehicle passengers riding with drivers who have been drinking in an American Indian population. *American Journal of Preventive Medicine*, 1995; 11(6): 375-380.

4. **Lightdale J**, Oken E, Klein W, Welty T and Landrigan P. Psychosocial barriers to health promotion in an American Indian population. *American Indian and Alaska Native Mental Health Research*, 1997; 7(3): 34-49.
5. **Lightdale J**, Mudge C, Ascher N and Rosenthal P. The role of pediatricians in the care of children with liver transplants. *Archives of Pediatrics and Adolescent Medicine*, 1998; 152: 797-802.
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Professional educational materials or reports, in print or other media

1. EQIPP – GERD

- Online learning program (case-based curriculum and tools) co-sponsored by the American Academy of Pediatrics (AAP) and the North American Society of Pediatric Gastroenterology Hepatology and Nutrition (NASPGHAN) that provides education on quality improvement principles and concepts, as well as pediatric-specific clinical content on gastroesophageal reflux and reflux disease.
- <http://www.eqipp.aap.org>
- The intended audience includes both pediatric primary care providers and subspecialists.
- Completion of the course affords AMA Category 1 Credit(s), as well as American Board of Pediatrics (ABP) Maintenance of Certification Part IV Credit(s).
- I was a member of the original faculty of 7 pediatric gastroenterologists asked in 2007 by the AAP to help design the course and was asked to participate with 2 other faculty members in 2013 and again in 2018 on second and third editions.

2. SedationFacts.org

- Online comprehensive resource for current, objective, evidence-based information concerning endoscopic sedation
- <http://www.sgna.org/issues/sedationfactsorg/>
- The intended audience includes practicing gastroenterologists, gastroenterology fellows and gastroenterology nurses in the United States
- The website was developed as a joint project of the American Society for Gastrointestinal Endoscopy (ASGE), the American Gastroenterological Association (AGA) Institute, the Society of Gastroenterology Nurses and Associates, Inc. (SGNA) and the American College of Gastroenterology (ACG). I was a member of the original faculty of 8 gastroenterologists, and the only pediatric gastroenterologist, involved in authoring clinical content in 2007.

3. PREP Audio “My Tummy Hurts”

- Audio CME program developed by the American Academy of Pediatrics (AAP) to help busy health care practitioners stay current with issues relevant to their practice
- Lightdale, Fishman, Grand “My Tummy Hurts,” *January 2013*; 8(1). <http://www.prepaudio.org/>
- The intended audience includes practicing pediatric providers.
- Lead discussant on panel of 3 pediatric gastroenterologists regarding diagnosis and management of common pediatric GI conditions.

4. Pediatric Care Online Webinar: “Differentiating GER from GERD: To D or not to D”
 - Audio Online CME program developed by the American Academy of Pediatrics (AAP) to help busy health care practitioners stay current with issues relevant to their practice
 - Lightdale, “Differentiating GER from GERD: To D or not to D” November 2013: 55;18; <http://www2.aap.org/pcorss/webinars/pco/>
 - The intended audience includes practicing pediatric providers.
 - I was the invited faculty presenter.

5. AudioDigest Pediatrics “Evaluation and Management of Constipation in Children”
 - Lightdale, J.: Evaluation and Management of Constipation in Children. AudioDigest Pediatrics 66:15 (April 21) 2020

6. AudioDigest Pediatrics “Nonalcoholic Fatty Liver Disease: An Emerging Condition”
 - Citation: Lightdale, J.: Nonalcoholic Fatty Liver Disease: An Emerging Condition in Children and Adolescents. AudioDigest Pediatrics 66:15 (April 21) 2020

7. Bowel Sounds [Audio Podcast], North American Society for PediatricGastroenterology, Hepatology, and Nutrition (NASPGHAN)
 - Jenifer Lightdale (Guest). PEnQuINs and Making Pediatric Endoscopy Safer, Bowel Sounds [Audio Podcast], North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition, November 14, 2020. <https://www.buzzsprout.com/581062/6151678>

8. AAP California and the California Department of Public Health (CADPH). “Navigating the Infant Formula Crisis.” June 11, 2022. <https://aap-ca.org/wp-content/uploads/AAP-CA-Formula-Webinar.mp4>
 - Invited as clinical expert panelist to respond to pre-solicited questions from the public.

9. White House Briefing on the Infant Formula Shortage
 - Panel Member, June 23, 2022. <https://naspghan.org/recent-news/briefing/>
 - Asked by the White House to present on the “Science of Formula Substitution”

Narrative Report

I am a pediatric gastroenterologist, with an Area of Excellence in **Clinical Expertise and Innovation**, and Significant Supporting Activity in **Administration and Institutional Service**.

Clinical Expertise and Innovation. I have clinical expertise in diagnosing and managing digestive disorders in children. My primary career focus has been on improving the safety and quality of gastrointestinal endoscopy through innovations in patient monitoring and hands-on training for ensuring optimal clinical outcomes. In 2002, I received K08 funding from the Agency for Healthcare Research and Quality (AHRQ) to identify risk factors for sedation complications during pediatric procedures, by using endoscopy as a model of procedural care. My research explored potential to predict adverse events to improve patient safety. Subsequently I received investigator-initiated funding from the Risk Management Foundation (RMF) to conduct a randomized controlled trial of capnography vs. standard oximetry monitoring in spontaneously

breathing sedated patients. The study results showed that capnography was superior to standard of care at reducing oxygen desaturation through early detection of apnea and disordered respiration. This finding has been validated by many others and capnography is now recommended in national guidelines for monitoring of children during moderate and deep sedation, as well as in adults undergoing interventional procedures. With funding from the American Society of Gastrointestinal Endoscopy (ASGE), I also studied use of crisis resource management skills using high fidelity endoscopy simulation. Results from this work have spotlighted the fact that safe and high-quality sedation requires a highly functional multidisciplinary team and an evidence-basis for practice.

My expertise in improving the safety and quality of endoscopy has led to my active participation in the development of endoscopic guidelines – many of which pertain mainly to adult patients. Most recently, I led a GRADE effort by the international Pediatric Endoscopy Quality Improvement Network (PEnQuIN) involving clinical experts from 31 medical centers representing 11 countries to codify the standards and indicators that define high quality pediatric endoscopy. Our initial 5-year effort has led to 2021 publication of 5 guidelines on key domains of pediatric endoscopy quality: facilities, endoscopists, procedures, and reporting elements. The PEnQuIN guidelines were jointly sponsored by the North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition (NASPGHAN), and the European Society for Pediatric Gastroenterology, Hepatology, and Nutrition (ESPGHAN) and have been endorsed to date by the ASGE and the Canadian Association of Gastroenterology (CAG).

Evidence that I am recognized as an international expert in the areas of endoscopic safety and quality comes from my investigator-initiated research, as well as my significant contributions to national and international guidelines. I have also been invited to contribute to leading textbooks, and to talk in regional, national, and international courses and meetings sponsored by multiple societies including the American Gastroenterological Association (AGA), ASGE, NASPGHAN, and ESPGHAN. The relationships I have developed with these professional societies have allowed important cross-fertilization between the adult and pediatric gastroenterology communities. For example, they have enabled me to design, co-direct, and teach a series of novel “Hands-on Pediatric Endoscopy” courses for NASPGHAN at the ASGE’s Interactive Training and Technology Center in Chicago.

My reputation as an expert in endoscopy quality has also led to national committee appointments. As a member of the ASGE Standards of Practice Committee, I was tasked as a primary author on guidelines for endoscopic sedation, inflammatory bowel disease, and pediatric endoscopy. I also served for 5 years as an Associate editor for *Gastrointestinal Endoscopy (GIE)* – the first-ever pediatric gastroenterologist to hold this position. More recently, I was appointed to the Editorial Board in 2018, and have served as its chair since 2020. One of my responsibilities in this role is to serve as editor for all ASGE-endorsed statements and clinical guidelines prior to publication.

My expertise in pediatric sedation, capnography and endoscopy has also been recognized by the anesthesiology community. In 2014, I was invited to participate in a Radcliffe Exploratory Seminar on patient safety monitoring and predicting sedation-related adverse events in children as part of a multi-disciplinary group of experts in data mining, procedural sedation, disruptive technologies, and patient safety. In 2016, I was one of the few non-anesthesiologists to serve in

the Sedation Consortium on Endpoints and Procedures for Treatment Education, and Research (SCEPTER). This was a public-private partnership with the Food and Drug Administration (FDA) to streamline the discovery and development process for new sedatives. In 2010 the FDA appointed me as a Special Government Employee to the GI Drug Advisory Committee (GIDAC), on which I remain an active participant.

I have contributed to other quality care metrics relevant to gastroenterology beyond sedation and endoscopy. In 2007, I was invited by NASPGHAN and the American Academy of Pediatrics (AAP) to participate in the design of an Education and Quality Improvement for Pediatric Practice (EQIPP) activity focused on Gastroesophageal Reflux Disease (GERD) through an interactive electronic educational module aimed at improving the quality of care by pediatricians of children with gastroesophageal reflux. I was elected twice to the Executive Committee of the Section of Gastroenterology, Hepatology and Nutrition (SOGHN) of the AAP, where I took the lead in several published clinical reports, including the AAP statement on GERD that aims to reduce practice variation among pediatricians. Most recently in 2022, my NASPGHAN and AAP leadership roles, along with my clinical expertise in infant medical nutrition has positioned me to be of service to various societal and governmental organizations navigating a national formula shortage, including the US Department of Health and Human Services, and the White House.

Administration and Institutional Service: I have held multiple administrative leadership positions both locally and nationally. At Boston Children's Hospital (BCH) I developed and led the Quality and Patient Safety Program for the Division of Gastroenterology, Hepatology and Nutrition. I also served on the hospital-wide Sedation Committee from 2003-2013 and led an institutional effort in 2004 to develop a novel multi-disciplinary sedation record and report that interfaces with the electronic health record. In 2010, the BCH Physician's Organization recruited me to serve as Physician Director of the PRUDENT project, which focused on engaging physicians in the process of appropriately using targeted healthcare resources.

In 2013, I was recruited to UMass Memorial to rebuild the Division of Pediatric Gastroenterology and Nutrition and to develop a program in Quality and Patient Safety as the inaugural Chief Quality Officer of the Children's Medical Center. As Division Chief, I recruited 6 new providers and have grown volume from approximately 1000 to over 7500 patient visits per year. As CQO, I created enduring quality and safety structures that emphasize governance and accountability, evidence-based event reviews, safety intelligence, and also designed and sponsored multiple improvement initiatives that reward transparency, accountability, as well as a systems-approach to understanding medical error. In 2020 I was named Vice-Chair of the Department of Pediatrics. In 2022, I was recruited back to Boston Children's Hospital as Associate Chief of the Division of Gastroenterology, in which role I am responsible for overseeing over 70 clinical faculty, 20 clinical fellows, and more than 25 advanced practice providers.

Nationally, I have served on and chaired many committees. Within the AAP (which has a membership of >70,000 pediatricians), I have served as Chair of SOGHN, and completed a 6-year term as a member of the National Conference and Exhibition (NCE) Planning Group. I have also held multiple administrative leadership roles over the past two decades in NASPGHAN, the largest society in the world dedicated to serving the pediatric gastroenterology community. In

2020, I was particularly honored to have been elected by my peers to serve a 6-year term as President-Elect (2020-22), President (2022-2024) and Past-President (2024-26).

Teaching and Education: A substantial part of my educational efforts are focused on teaching practicing clinicians in topics related to my Clinical Expertise, and I regularly am invited to present multiple CME talks. I have also been involved in mentoring and teaching numerous students and fellows. Currently at UMass I have medical students and residents routinely rotating through my clinic and I contribute to educational conferences such as resident's morning report. During my time at BCH, I taught numerous fellows in both inpatient and outpatient settings and served for more than 10 years as Director of Clinical Research Education in the Clinical Research Center (CRC). I also served as a primary career and research mentor to fellows, who presented their work at national conferences and published in peer-reviewed journals. At Boston Children's Hospital, I actively teach residents and fellows in both hospital and ambulatory clinic settings.