

NIH Biographical Sketch Common Form

Name: Gadepalli, Samir

Persistent Identifier (PID) of the Senior/Key Person: <https://orcid.org/0000-0001-8268-8723>

Position Title: Associate Professor in Pediatric Surgery

Organization and Location: University of Michigan, Ann Arbor, MI, United States

PROFESSIONAL PREPARATION

INSTITUTION AND LOCATION	DEGREE	Start Date	Completion Date	FIELD OF STUDY
University of Michigan, Ann Arbor, MI, USA	MASTER OF SCIENCE	07/2012	06/2013	Health and Health Care Research
University of Michigan, Ann Arbor, MI, USA	Fellow	07/2010	06/2012	Pediatric Surgery
University of Michigan, Ann Arbor, MI, United States	Fellow	07/2008	06/2009	Surgical Critical Care with focus in Pediatric Critical Care
University of Phoenix Online, Phoenix, AZ, USA	MASTER OF BUSINESS ADMINISTRATION	12/2004	02/2010	Health Care Management
Morristown Memorial Hospital/Atlantic Health System, Morristown, NJ, USA	Resident	07/2003	06/2008	General Surgery
Albany Medical College, Albany, NY, United States	DOCTOR OF MEDICINE	08/1999	05/2003	Medical Doctor
Rensselaer Polytechnique Institute, Troy, NY, United States	BACHELOR OF SCIENCE	08/1997	05/2001	Biology with Minor in Psychology

Appointments and Positions

2012 - present	Associate Professor in Pediatric Surgery, University of Michigan, Ann Arbor, MI, United States
2025 - present	Director-At-Large, Association of Pediatric Surgery Training Program Directors (APSTPD), East Dundee, Illinois, United States
2025 - present	Founder and Co-Chair, Children's Health association Evaluation of Surgical Services (CHESS), Ann Arbor, Michigan, United States
2022 - present	Program Director, Pediatric Surgery Fellowship, University of Michigan, Ann Arbor, MI, United States
2015 - present	Faculty Investigator, Susan B. Meister Child Health Evaluation and Research (CHEAR) Center, University of Michigan, Ann Arbor, MI, USA
2015 - present	Board Member, NEC Society, Sacramento, California, United States
2014 - present	Chief Academic Officer (2019-Present), Founding Board Member, Midwest Pediatric Surgery Consortium (MWPS), Ann Arbor, Michigan, United States
2014 - present	Surgical Representative to Clinical Committee (2019-Present), ImproveCareNow (ICN), Cincinnati, Ohio, United States
2014 - present	Delivery of Surgical Care Committee (2018-2021), Liaison for Section on Critical Care (SoCC) (2019-2022), Nominating Committee (2019), Publications Committee (2020-2022), Education Committee (2021-2022), American Academy of Pediatrics (AAP), Section on Surgery (SoSu), Washington, District of Columbia, United States
2012 - present	Faculty Investigator, Institute of Health Policy & Innovation (IHPI), University of Michigan, Ann Arbor, MI, USA
2020 - 2022	Medical Student Clerkship Director, Pediatric Surgery, University of Michigan, Ann Arbor, MI, USA

2017 - 2022 Director of Clinical Research for Pediatric Surgery, University of Michigan, Ann Arbor, MI, USA
2012 - 2017 Associate Program Director, Surgical Critical Care Fellowship, University of Michigan, Ann Arbor, MI, USA

Products

Products Closely Related to the Proposed Project

1. Adler J, Gadepalli S, Rahman M, Kim S. Early tumour necrosis factor antagonist treatment prevents perianal fistula development in children with Crohn's disease: post hoc analysis of the RISK study. *Gut*. 2025 Mar 6;74(4):539-546. PubMed PMID: [39667905](#).
2. Rubalcava NS, Gadepalli SK, Criss CN, Moreno NA, Adler J, Geiger JD. Single-stage restorative proctocolectomy for ulcerative colitis in pediatric patients: a safe alternative. *Pediatr Surg Int*. 2021 Oct;37(10):1453-1459. PubMed PMID: [34143272](#).
3. Rubalcava NS, Moreno NA, Adler J, Geiger JD, Hirschl RB, Gadepalli SK. Does the timing of pouch creation in 2-stage operations for pediatric patients with ulcerative colitis matter?. *J Pediatr Surg*. 2021 Jun;56(6):1203-1207. PubMed PMID: [33741179](#).
4. Adler J, Lin CC, Gadepalli SK, Dombkowski KJ. Association Between Steroid-Sparing Therapy and the Risk of Perianal Fistulizing Complications Among Young Patients With Crohn Disease. *JAMA Netw Open*. 2020 Jun 1;3(6):e207378. PubMed Central PMCID: [PMC7284306](#).
5. Dedhia PH, White Y, Dillman JR, Adler J, Jarboe MD, Teitelbaum DH, Hirschl RB, Gadepalli SK. Reduced paraspinous muscle area is associated with post-colectomy complications in children with ulcerative colitis. *J Pediatr Surg*. 2018 Mar;53(3):477-482. PubMed PMID: [29103786](#).

Other Significant Products, Whether or Not Related to the Proposed Project

1. Minneci PC, Hade EM, Lawrence AE, Sebastião YV, Saito JM, Mak GZ, Fox C, Hirschl RB, Gadepalli S, Helmrath MA, Kohler JE, Leys CM, Sato TT, Lal DR, Landman MP, Kabre R, Fallat ME, Cooper JN, Deans KJ. Association of Nonoperative Management Using Antibiotic Therapy vs Laparoscopic Appendectomy With Treatment Success and Disability Days in Children With Uncomplicated Appendicitis. *JAMA*. 2020 Aug 11;324(6):581-593. PubMed Central PMCID: [PMC7385674](#).
2. Minneci PC, Hade EM, Lawrence AE, Saito JM, Mak GZ, Hirschl RB, Gadepalli S, Helmrath MA, Leys CM, Sato TT, Lal DR, Landman MP, Kabre R, Fallat ME, Fischer BA, Cooper JN, Deans KJ. Multi-institutional trial of non-operative management and surgery for uncomplicated appendicitis in children: Design and rationale. *Contemp Clin Trials*. 2019 Aug;83:10-17. PubMed Central PMCID: [PMC7073001](#).
3. Gadepalli SK, Canvasser J, Eskenazi Y, Quinn M, Kim JH, Gephart SM. Roles and Experiences of Parents in Necrotizing Enterocolitis: An International Survey of Parental Perspectives of Communication in the NICU. *Adv Neonatal Care*. 2017 Dec;17(6):489-498. PubMed PMID: [29166294](#).
4. McMahon L, Gadepalli SK. Inflammatory bowel disease - evolving therapeutic approaches to a hidden epidemic. *Semin Pediatr Surg*. 2024 Apr;33(2):151407. PubMed PMID: [38599148](#).
5. Rubalcava NS, Gadepalli SK. Inflammatory Bowel Disease in Children and Adolescents. *Adv Pediatr*. 2021 Aug;68:121-142. PubMed PMID: [34243849](#).

Certification:

I certify that the information provided is current, accurate, and complete. This includes but is not limited to information related to domestic and foreign appointments and positions.

I also certify that, at the time of submission, I am not a party to a malign foreign talent recruitment program.

I also certify that, as senior/key personnel listed within this application, I have taken the required research security training consistent and in compliance with Section 10634 of the CHIPS and Science Act of 2022.

Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by Gadepalli, Samir in SciENev on 2025-12-30 15:04:23

NIH BIOGRAPHICAL SKETCH SUPPLEMENT

Name: Gadepalli, Samir

Persistent Identifier (PID) of the Senior/Key Person: <https://orcid.org/0000-0001-8268-8723>

Position Title: Associate Professor in Pediatric Surgery

Organization and Location: University of Michigan, Ann Arbor, MI, United States

Personal Statement

I am a pediatric surgeon and health services research with a focus in improving outcomes in pediatric inflammatory bowel disease (IBD). As the surgical director of the pediatric IBD program, I have the clinical background and developed standardized algorithms for the care of pediatric patients with Crohn's disease and ulcerative colitis, both at the institutional and national level: intraabdominal strictures, pan-colitis, perianal fistula disease. As a member of ImproveCareNow (ICN) Clinical Committee, I represent the surgical voice in the care of children with IBD. In empowering patients and families to increase awareness, and develop novel therapies for necrotizing enterocolitis, a devastating gastrointestinal disease of newborns, I helped develop the NEC Society (necsociety.org) partnering with a parent of one of my patients and created the first National Symposium on Necrotizing Enterocolitis held at UC Davis in April 2017. The conference was funded by PCORI and brought together families, researchers, and clinicians under a common roof to discuss current practices, trends, and future strategies. I was the co-chair at the next conference, held in Ann Arbor, Michigan, June, 2019 and hosted by the Section of Pediatric Surgery at CS Mott Children's Hospital. The NEC Society is now funded by the Chan-Zuckerberg Initiative for Rare Disorders. To better understand best practices and improve quality of care for various common pediatric surgical conditions, I helped create a research network of large academic children's hospitals. The Midwest Pediatric Surgery Consortium (MWPSC.org) has helped determined the variability and surgical outcomes of several congenital gastrointestinal anomalies including esophageal atresia and gastroschisis to help define better practices and develop common algorithms for management of these conditions. Furthermore, we recently completed a prospective patient-choice study, funded by PCORI, on the non-operative management of pediatric appendicitis, during which I served as the site-PI at our institution. Using what was learned from the MWPSC and NEC Society, I developed the first pediatric gastrointestinal and surgical network for inflammatory bowel disease, IBD-SETON (Improving IBD – from Surgical Evaluation to Outcomes through Networking), with multiple centers within ImproveCareNow (ICN), an international group of researchers, clinicians, and families focused on inflammatory bowel disease. The SETON team was funded by AHRQ through an R01 to study variance in care for perianal Crohn's disease and implement the optimal strategy. As the surgical representative to the ICN, I worked closely with surgeons, gastroenterologists, patients and parents throughout the country in on developing evidence-based protocols to improve the quality of surgical care provided for pediatric IBD. Finally, I have a track record of working closely with families (as part of the NEC Society Scientific Advisory Council), of multicenter outcomes research (as the Chief Academic Officer for the Midwest Pediatric Surgery Consortium), and of conducting prospective funded studies in translational, clinical outcomes, and health services research. Using my skillsets in collaborative team science, I have build partnerships with other pediatric surgeons, family members, and pediatric medical colleagues to help study many surgical digestive diseases. Ultimately, I am best known for being a teacher and collaborative team leader.

Honors

2022	Nominee for GME Mentor of the Year Awards, University of Michigan
2022	Silver Scalpel Award for Medical Student Facilitator for Surgical Clerkship, University of Michigan
2021	Finalist for Surgical Clerkship Arnold G. Coran Faculty Teaching Award for the "Top Faculty Educator", University of Michigan
2008	Research Award, Oncology Society of New Jersey
2008	Harry Dougan Chief Resident Award, Morristown Memorial Hospital
2008	Resident Award for Exemplary Teaching Finalist, American College of Surgeons
2005	Resident Teacher of the Year, Morristown Memorial Hospital
2004	Resident Teacher of the Year, Morristown Memorial Hospital
1999	Resident Assistant Community Builder Award, Rensselaer Polytechnic Institute

Contribution to Science

1. Inflammatory bowel disease (Crohn's disease and ulcerative colitis, surgical lead for ICN, funded by AHRQ R01) 1. Outcomes

- with surgery for pediatric ulcerative colitis, timing, approaches and predicting complications to develop the optimal strategy for each individual patient. 2. Medical therapies for inflammatory bowel disease and complications with using long-term steroids, using novel therapies to prevent and treat perianal disease in children while avoid steroids, and studying variance among centers to using surgical approaches to determine optimal strategies for individual patients. Impact on current study: My clinical and research expertise in ulcerative colitis (UC) will be necessary to lead the study on surgical approach to active UC versus escalation of medical therapy.
2. Multi-center studies on pediatric surgical conditions (MWPC, funded by PCORI) 1. Development of multicenter collaboratives to study common and rare surgical diseases including appendicitis, inflammatory bowel disease, and necrotizing enterocolitis. 2. Site-PI for multicenter study using patient-choice for non-operative management of pediatric early appendicitis. Impact on current study: My expertise in conducting a patient-choice study focused on pediatric appendicitis is directly tied to using similar research approach and similar surgical strategy for this proposal.
 3. Family-led change to medical practice through engagement and empowerment (NEC Society, funded by PCORI, NICHD, CZI) 1. Development of family-led society to study necrotizing enterocolitis (NEC), a potentially catastrophic and fatal inflammatory bowel disease in neonates. 2. Hosted patient-family centered symposia with international leaders in surgery, neonatology, and researchers focused on NEC. Impact on current study: My expertise in eliciting patient preferences, identifying quality of life issues, partnering with patient-families and creating common goals is essential in completing a study focused on acceptability of alternate strategies, and assessment of quality of life.
 4. Multidisciplinary quality improvement (postoperative opioid utilization, funded by BCBS) 1. Reduction of opioid use post-operatively - partnered with patient-families using a pain journal to assess what medications were used. 2. Created a multidisciplinary team to develop guidelines at the hospital inclusive of surgical subspecialties, nursing, psychologists, social workers, and families. Impact on current study: My expertise in leading large teams will be helpful to navigate the logistics in completing the study and developing guidelines for ulcerative colitis based on findings from this study.
 5. Health Policy for Pediatric Care (AAP Section on Surgery Liaison to Section on Critical Care, Institute for Health Policy and Innovation, CHES, ICN) 1. Led several studies on the impact of surgical access issues for children, policies that impact the ICU care of critically ill children, inclusive of trauma, and disparities in care for rural populations. 2. Helped develop national guidelines for pediatric surgical care, trauma/critical care, and inflammatory bowel disease. Impact on current study: My expertise in development of guidelines and strategy to engage multiple stakeholders will be necessary to completing a clinical trial on competing options with varying outcomes. I will need to coordinate surgical and medical teams with research teams, while focusing on the patient-family voice. The contributions above are all interrelated and complementary to the current proposal.

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