

# Sachin Kunde, MD, MPH

Curriculum Vitae

Revised: Jan, 2023

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## Current position

Pediatric Gastroenterologist - Private Practice  
Wake Pediatric Gastroenterology, Raleigh, NC

02/2018 - Current

## Previous appointments

Director, Division of Pediatric Gastroenterology  
WakeMed Health and Hospitals, Raleigh, NC

09/2014-02/2018

Pediatric Gastroenterologist  
Director of Endoscopic Services  
Helen DeVos Children's Hospital and Spectrum Health Medical Group  
Grand Rapids, MI

07/2011-08/2014

Assistant Professor  
Department of Pediatrics and Human Development  
Michigan State University College of Human Medicine  
Grand Rapids, MI

07/2011-08/2014

Research Assistant  
Liver Center – Department of Medicine  
University of Alabama at Birmingham

10/2002-05/2005

## State medical licensure

North Carolina (#2014-01473)  
Michigan (#4301085330)  
Georgia (#061471)

Current  
inactive  
inactive

## Board certification

American Board of Pediatrics  
American Board of Pediatrics, Sub-Board of Pediatric Gastroenterology

2009  
2011

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## Education and professional degrees

<u>Fellowship</u> - Pediatric Gastroenterology, Hepatology and Nutrition Emory University School of Medicine, Atlanta, GA	07/2008-06/2011
<u>Residency</u> - Pediatrics Children's Hospital of Michigan, Detroit Medical Center Wayne State University, Detroit, MI	07/2005-06/2008
<u>Master of Public Health</u> (M.P.H.), Epidemiology The University of Alabama, Birmingham, AL	08/2002-08/2004
<u>Medical School</u> – Bachelor of Medicine and Surgery (M.D.) University of Mumbai, India	06/1996-02/2002

## Honors and awards

Synergy Award	2013
America's Top Pediatrician- Consumer Research Council of America	2012, 2008
Travel Award - NIH / NIDDK	2012

## Past memberships at professional scientific societies

American Gastroenterological Association  
Crohn's and Colitis Foundation of America  
North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition

## Clinical and Research Interests

Inflammatory Bowel Diseases – Crohn's and Colitis  
General Gastroenterology  
Endoscopic Procedures

## Editorial and advisory board - invited member

The Fecal Transplant Foundation  
Pediatric and Neonatal Care

## Reviewer of scientific journals

Digestive Diseases and Sciences  
Journal of Pediatric Gastroenterology and Nutrition  
British Journal of Medicine and Medical Research  
Basic Methods in Protein Purification and Analysis, iConcept Press

## Invited speaker

American Gastroenterological Association	2014
Crohn's and Colitis Foundation of America, Georgia Chapter	2014
Fecal Microbiota for Transplantation: Scientific and Regulatory Issues 2 <sup>nd</sup> International Conference on Gastroenterology & Urology	
NIH and FDA public workshop	2013
Nursing Research Conference, Spectrum Health	2013
Spectrum Health Research Day	2012
West Michigan Osteopathic Association	2012

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### Clinical trials (PI)

Phase I: Gut Microbial Transplantation in Pediatric IBD (NCT01560819) 2012-2013

### Investigational New Drug (IND) sponsor

Human Stool 2012

### Past research support

Digestive Disease Institute 2013

Helen DeVos Children's Hospital Foundation Grants 2011-2012

### Publications

#### Peer-reviewed articles

- Nusbaum, David; Sun, Fengzhu; Ren, Jie; Zhu, Zifan; Ramsy, Natalie; Pervolarakis, Nicholas; Kunde, Sachin; England, Whitney; Gao, Bei; Fiehn, Oliver; Michail, Sonia; Whiteson, Katrine; *Gut microbial and metabolomic profiles after fecal microbiota transplantation in pediatric ulcerative colitis patients.* FEMS Microbiol Ecol. 2018 Sep 1;94(9). doi: 10.1093/femsec/fiy133.
- Walia R, Kunde S, Mahajan L, *Fecal Microbiota Transplantation in the Treatment of Refractory Clostridium difficile Infection in Children- an Update*, Current Opinion in Pediatrics, 2014 Oct;26(5):573-8
- Kelly CR, Kunde SS, Khoruts A, *Guidance on preparing an investigational new drug application for fecal microbiota transplantation studies*, Clinical Gastroenterology and Hepatology, 2014 Feb; 12(2):283-8
- Kunde S, Pham A, Bonczyk S, Teri C, Duba M, Conrad H, Cloney D, Kugathasan S, *Safety, Tolerability, and Clinical Response after Fecal Transplantation in Children and Young Adults with Ulcerative Colitis*; J Pediatr Gastroenterol Nutr. 2013, Jun;56(6):597-601
- Kunde S, Prasad M, Kugathasan S, [Rising incidence of inflammatory bowel disease in young children: what is the future holding?](#), J Pediatr Gastroenterol Nutr. 2011 Aug;53(2):128
- Kamat P, Kunde S, Vos M, Vats A, Heffron T, Romero R, Fortenberry JD, *Invasive intracranial pressure monitoring is a helpful adjunct in the management of cerebral edema associated with pediatric acute liver failure*, Pediatr Crit Care Med 2012, Jan 13 (1):e33-8
- Kunde SS, Roede JR, Vos MB, Orr ML, Go YM, Park Y, Zeigler TR, Jones DP, *Hepatic oxidative stress in fructose-induced fatty liver is not caused by sulfur amino acid insufficiency*, Nutrients 2011, 3, 987-1002
- Kunde SS, Riederer M, Moltz K, *Chronic Illness – Addison's Disease*; Clinical Pediatrics 2008 Jun;47(5):514-6.
- Kunde SS, Lazenby AJ, Clements RH, Abrams GA, *Spectrum of Nonalcoholic Fatty Liver Disease and Diagnostic Implications of the Proposed New Normal Range for Serum ALT in Obese Women*; Hepatology. 2005 Sep; 42(3): 650-6.

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- Abrams GA, Kunde SS, Lazenby AJ, Clements RH, *Portal Fibrosis and Hepatic Steatosis in Morbidly Obese Subjects: A Spectrum of Nonalcoholic Fatty Liver Disease*; Hepatology 2004 Aug; 40 (2): 475-83.

#### Abstracts (poster and oral presentations)

- Safety, Feasibility, and Cost-effectiveness of Pediatric Gastrointestinal Procedures at an Ambulatory Endoscopy Center, American College of Gastroenterology, 2019
- Angela Pham, Emily Carlson, Yun Wang, Karen Lindhout, Jami Pavlak, Ashley Siekman, Heather Lavigne, Ishmaeel Hashemi, Harold Conrad, Deborah Cloney, Sachin Kunde; *Enteral Nutrition as Monotherapy for Maintenance of Remission in Pediatric Crohn's Disease*, Digestive Disease Week, 2014
- Manika Bhateja, Deborah Cloney, Sachin Kunde, Jason Tapio, Jeri W. Kessenich; *A Toddler Presenting With Esophageal Variceal Bleed Without a Definitive Cause of Portal Hypertension*; World Congress of Pediatric Gastroenterology, Hepatology and Nutrition, 2012
- Sachin Kunde, Deborah Cloney, Harold Conrad, Subra Kugathasan; *Fecal Microbial Transplantation Shows Efficacy in Children with Refractory Ulcerative Colitis – Early Results of Phase I Clinical Trial*; Advances in Inflammatory Bowel Diseases annual meeting, Dec 2012
- Sachin Kunde, Harold Conrad, Deborah Cloney, Karen Lindhout, Ashley Strotbaum, Erin Broene, Jill Gibson, Teri Crumb, Mary Duba, Subra Kugathasan; *Fecal Microbial Transplantation in Pediatric Ulcerative Colitis – A Pilot Study*; North American Society for Pediatric Gastroenterology, Hepatology and Nutrition annual meeting, Oct 2012
- Sachin Kunde, Miriam Vos, Dean Jones, *Sugar-Sweetened Beverage Causes Oxidative Stress Under Isocaloric Condition*, JPGN Vol. 51, Suppl. 2, 69; North American Society for Pediatric Gastroenterology, Hepatology and Nutrition annual meeting, Oct 2010
- Sachin Kunde, Miriam Vos, Dean Jones, *Dietary Sulphur Amino Acid Deficiency and Plasma Redox State in Fructose Induced Fatty Liver*, T4:PO.237, 11<sup>th</sup> International Congress on Obesity, July 2010
- Pradip Kamat, Sachin Kunde, Rene Romero, Thomas Heffron, *Invasive Intracranial Pressure Monitoring is a Useful Adjunct in the Management of Pediatric Acute Liver Failure and Associated with Cerebral Edema for Potential Liver Transplantation*, Critical Care Medicine 2009 Vol. 37, No.12, A467
- Sachin Kunde, Imran Awan, Saima Naz, Mohammed El-Baba, Namir Al-Ansari, Shailender Madani, *Severity and Treatment Responsiveness of Pediatric Crohn's Disease With Respect to Gender*; World Congress of Pediatric Gastroenterology, Hepatology and Nutrition, Aug 2008; P0492
- Sachin Kunde, Gary Abrams, Ronald H. Clements, *The Spectrum of Nonalcoholic Fatty Liver Disease: Utilizing the Updated Limits of Normal Serum Aminotransferase Levels*, Gastroenterology, April 2005, Vol 128, No 4, A-786, M1698, AASLD abstract, Digestive Disease Week annual meeting
- Sachin Kunde, Paul Sanders, Ronald Clements, Gary Abrams; *Association of Adipose Tissue TGF- $\beta$ 1 with Hepatic Fibrosis in Morbidly Obese Subjects*; Obesity Research 2004, Vol 12, A-143, 557-P, North American Association for Study of Obesity annual meeting

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- Gary Abrams, Ronald Clements, Sachin Kunde, Paul Sanders; *Adipose Tissue Content of TGF-Beta is Associated With Hepatic Fibrosis in Morbidly Obese Subjects With Non-Alcoholic Fatty Liver Disease*; Hepatology 2004, Vol 40, No 4, 584A-970; American Association for Study of Liver Disease annual meeting
- Gary Abrams, Nirag Jhala, Audrey Lazenby, Sachin Kunde, Teresa Leath, Brian Ragland, Ronald Clements; *Comparison of Paired Liver Biopsies in Morbidly Obese Subjects with Non-Alcoholic Fatty Liver Disease*; Gastroenterology 2004, Vol 126, No 4, T1098 / A755; Digestive Disease Week annual meeting
- Sachin Kunde, Gary Abrams, Ronald Clements, Audrey Lazenby, Teresa Leath, *Association of Nonalcoholic Steatohepatitis and Metabolic Syndrome in Morbidly Obese Subjects*; Obesity Research 2003 Vol 11, 20-OR / A5; North American Association for Study of Obesity annual meeting
- Neelima Reddy, Gary Abrams, Sachin Kunde, Audrey Lazenby, Nirag Jhala, Joseph Bloomer; *The Prevalence of Antinuclear Antibody In Patients With Non-Alcoholic Fatty Liver*; Gastroenterology 2003, Vol 124, No 4, M1383 / A744, Digestive Disease Week annual meeting

### In the media (selected news articles)

- US News and World Report- [Fecal Transplant Studied for Kids with Bowel Disease](#)
- The Grand Rapids Press- [The ultimate probiotic: Unusual treatment helps kids with ulcerative colitis, study shows](#)
- Medscape Gastroenterology- [Fecal Microbial Transplantation May Treat Ulcerative Colitis](#)
- Health Day- [Fecal Transplant Studied for Kids with Bowel Disease](#)
- Toronto Telegraph- [Clinical Trial Finds Fecal Microbial Transplantation An Effective Treatment For Ulcerative Colitis](#)
- Spectrum Health- [Helen DeVos Children's Hospital First in Country to Complete Clinical Trial](#)
- Medical Daily- [Fecal Transplant Shown To Treat Inflammatory Bowel Disease In Children](#)
- News Medical- [FMT treatment improves symptoms in pediatric patients with active ulcerative colitis](#)
- Science Daily- [Fecal Microbial Transplantation Found to Be Possible Treatment for Ulcerative Colitis](#)
- Family Practice News Digital Network- [Children with ulcerative colitis benefited from fecal transplants](#)