

November 5, 2021

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EDUCATION Wayne State University School of Medicine , Detroit, MI, Doctor of Medicine, June 2009 Wayne State University Detroit, MI, Master of medical science, June 2005 Albion College Albion, MI, Bachelor of science, July 2003	DATES July 2005-July 2009 July 2003-July 2005 July 1999-July 2003
POSTGRADUATE TRAINING Children's Hospital of Michigan Detroit, MI, Department of Gastroenterology Fellowship, Pediatric Gastroenterology, Hepatology, and Nutrition Children's Hospital of Michigan Detroit, MI, Department of Pediatrics - Residency	July 2012-August 2015 July 2009-2012
FACULTY APPOINTMENTS Assistant Professor of Pediatrics (Clinician Educator) Division of Pediatric Gastroenterology Wayne State University School of Medicine Detroit, MI Assistant Professor of Pediatrics (Clinician Educator) Division of Pediatric Gastroenterology Central Michigan University College of Medicine Detroit, MI Assistant Professor of Pediatrics (Voluntary Track) Division of Pediatric Gastroenterology Wayne State University School of Medicine Detroit, MI	July 2016-July 2019 July 2019-present May 2020-present
HOSPITAL OR OTHER PROFESSIONAL APPOINTMENTS Associate in Pediatric Gastroenterology Attending in Pediatrics Children's Hospital of Michigan Detroit, MI Associate Program Director	September 2015-present April 2017

Pediatric Gastroenterology Fellowship Children's Hospital of Michigan Detroit, MI Associate in Multidisciplinary Aerodigestive clinic Pediatric Gastroenterology specialist Children's Hospital of Michigan Detroit, MI Medical Director of Inflammatory Bowel Disease Program Children's Hospital of Michigan Detroit, MI Program Director Pediatric Gastroenterology Fellowship Children's Hospital of Michigan Detroit, MI	March 2017-present April 2020-present February 2021
MAJOR PROFESSIONAL SOCIETIES North American Society for Pediatric Gastroenterology Hepatology and Nutrition (NASPGHAN)	July 2012-present
HONORS/AWARDS Physician Difference Maker Top Doc in Hour Detroit's annual survey of Michigan doctors Poster of distinction Michigan State University, Wayne State University, Children's Hospital of Michigan <i>Awarded poster of distinction at 14th Annual Research Day for the study, Risk of Small Intestinal Bacterial Overgrowth with Chronic Use of Proton Pump Inhibitors in Children.</i> Bonita Stanton Professionalism Award in Pediatrics Children's Hospital of Michigan <i>Resident nominated award for resident senior of the year</i>	2018 2017-2020 2015 2012
SERVICE	
Departmental/Divisional Member of the GMEC Trainee and Faculty Survey Subcommittee Member of the CHM Nephrology Scholarship Oversight Committee	2021-present 2016-present
Professional Member of the Great Lakes Regional IBD Committee Member of Crohn's and Colitis Foundation	2020-present 2020-present

Member of NASPGHAN training committee National meeting, appointed membership October 2017	2017-present
Scholarly Service Service for Peer-Reviewed Journals Editorship Review of Manuscripts Reviewed manuscripts "JPGN-15-339 and JPGN-15-431" for the Journal of Pediatric Gastroenterology & Nutrition Reviewer of Digestive Diseases and Sciences Reviewer of Paediatrics Today Reviewer of Journal of Gastroenterology and Hepatology Reviewer of European Gastroenterology and Hepatology Reviewer of Progress in Pediatric Gastroenterology Judge of SEMCME Research Competition Reviewed oral presentations of research performed by residents at different institutions in Southeast Michigan	2015-present December 2015 November 2016-May 2019 December 2016 January 2018 May 2017 April 2021 May 2021
Community Provided the following interviews to local magazines Irritable bowel syndrome, Metro Parent Charity Walk, Crohn's and Colitis Foundation Assisted in Take Steps Annual walk Camp Oasis, Crohn's and Colitis Foundation Part of medical team for annual IBD camp Educational speaker Crohn's and Colitis Foundation, IBD annual update Medical advisor Medical advisor for the Michigan Chapter of Crohn's and Colitis Foundation Meet quarterly to discuss scholarly updates, conferences, legislature, future directions for the Foundation.. In addition we host conferences, provide educational lectures to pediatric gastroenterologists and families, which is mostly done on weekends and evenings Pediatric gastroenterology medical advisor for the IBD Virtual payer/provider Roundtable Meeting included IBD specialists and payers with	April 2017 June 2019 July 2019 Sept 2019, October 2020 Jan 2020-present Nov 2020

goal of improving access to quality care.	
TEACHING Medical Students Third and fourth year medical students subspecialty teaching Member of alumni WSU SOM job shadow program Residents/Fellows: Invited to present the workup and management of constipation. Invited to present the etiology, diagnosis, and management of GI bleed. Subspecialty teaching (Peds GI) to residents and fellows Supervising and training endoscopy skills to Peds GI fellows Board review lecture, subject: nutrition. Board review lecture, subject: gastroenterology Associate Program Director to Fellows Member of scholarly oversight committee. Pediatric Nephrology Dep't Invited to present inflammatory bowel disease. Mentorship Academic Mentor for academically "at risk" resident Faculty Advisor for residents Swetha Sriram, Yinan Fu, Obadah Alquadan, Julia Kleinhenz, Tom Larouere Research Advisor for resident: Yinan Fu, Obadah Alquadan, Tom Larouere, Fatema Ali, Batoul Baidoun, Serena Beydoun Research Advisor for fellow: Orlando Cortes, Amie Hinshaw, Shamel Amin Research Advisor for nurse practitioner: Maggie Zeng	August 2015-present January 2017-present September 2014 September 2014 August 2015-present August 2015-present April 2016, 2017 April 2017 April 2017-present 2016-present March 2019 2016-2017 2017-present Nov 2017-present December 2017-present February 2018-present
Course or curriculum development Developed a resident educational handbook for pediatric gastroenterology Developed pre and post-test material for residents rotating through pediatric gastroenterology Developed EPA for NASPGHAN Preparing the newly required entrustable professional activity modules for our national pediatric gastroenterology fellowship programs "Common Outpatient/Liver" Developed a video lecture series for WSU SOM medical students to review pediatric gastroenterology during their pediatric rotation.	December 2013 November 2017-2019 April 2020
PRESENTATIONS Other CHM/DMC Our stories: "Toddler Enjoys Family Moments Again After	September 2018

Treatment at Children's Hospital of Michigan" Interviewed as primary subspecialist who manages this patient CHM/DMC Our Stories: "Surgery Treatment is a Life-Saver for Brighton Baby with Rare Disorder" Interviewed as primary subspecialist who diagnosed and managed this child Metro Parent Magazine: "Sensitive Stomach or Irritable Bowel Syndrome" Interviewed as expert pediatric gastroenterologist	September 2017 April 2017
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GRANTS, CONTRACTS, AND OTHER FUNDING

Previously funded Grants and Contracts

Role: Primary Investigator, Percent Effort: 80%

Title: "Risk of small intestinal bacterial overgrowth with chronic use of proton pump inhibitors in children."

The major goal of this study was to measure the risk of small intestinal bacterial overgrowth in children taking proton pump inhibitors by breath hydrogen tests and compare to controls.

Source: Ashok and Ingrid Sarnaik Endowment Grant

July 2013-July 2014

Total Direct Costs: \$2500

Role: Primary Investigator, Percent effort: 80%

Title: "An open-label, multicenter study to evaluate the pharmacokinetics of single and multiple intravenous doses of pantoprazole in two age cohorts of hospitalized pediatric subjects 1 to 16 years of age who are candidates for acid suppression therapy"

Source: Parexel International

May 2017-present

Total Direct Costs: \$30,772.18

Role: Primary Investigator, Percent effort 80%

Title: "Infliximab Proactive Drug Monitoring in the Pediatric IBD Population"

Assessing if proactive drug monitoring of the drug, infliximab, will prevent exacerbation in patients with IBD.

Source: Children's Hospital of Michigan Foundation

April 2019-present

Total direct costs: \$79,055

CLINICAL TRIALS ACTIVITIES

"Risk of small intestinal bacterial overgrowth with chronic use of proton pump inhibitors in children."

Role: Primary Investigator

This is a cohort prospective study measuring risk of small intestinal bacterial overgrowth in children taking proton pump inhibitors by breath hydrogen test and comparing to control subjects.

Protocol #: 1305011999

"An Open Label Multicenter Study To Evaluate The Pharmacokinetics of Single and Multiple Intravenous Doses of Pantoprazole in Two Age Cohorts of Hospitalized Pediatric Subjects 1 to 16 Years of Age Who Are Candidates For Acid Suppression Therapy"

Role: Site PI

Protocol #: B1791089

“Infliximab Proactive Drug Monitoring in the Pediatric IBD Population”

Role: Primary Investigator

Assessing whether proactive drug monitoring of the drug, infliximab, decreases the risk of exacerbations in patients with inflammatory bowel disease

Protocol: R2-2019-11

“miRNA and lncRNA as salivary biomarkers for diagnosis and monitoring in Eosinophilic Esophagitis

Role: Co-investigator

This is a prospective study assessing if miRNA and lncRNA may be reliable salivary biomarkers for eosinophilic esophagitis.

Protocol ID : IRB-20-06-2403

PUBLICATIONS

Peer-Reviewed Publications

Case Reports

1. Lyons A, Lee J, **Cares K**. Fecal Impaction in the Rectum and Rectosigmoid Colon Secondary to Sunflower Seed Ingestion. *Case Reports in Pediatrics*. 2021 Oct; ID: 4826867.
2. Ali F, Lee J, **Cares K**. 11-year-old Presenting with Intermittent Abdominal Pain. *Gastroenterology*. Approved Jan 5 2021; PMID: 33417933.
3. **Cares K**, El-Baba M. 9-month-old Presenting with Rectal Prolapse. *Gastroenterology*. 2015 Nov; PMID: 26612186. Number of citations: 3.
4. **Cares K**, Poulik J, El-Baba M. Celiac Disease in a Child Presenting with Recurrent Rectal Prolapse - Case Report. *Journal of Pediatric Gastroenterology & Nutrition*. 2014 Apr; PMID: 24762455. Number of citations: 3.

Review Articles

1. **Cares K**, El-Baba M. Rectal Prolapse in Children: Significance and Management. *Curr Gastroenterol Rep* 2016; 18(5):22. Number of citations: 20.

Reports of Original Work

1. Cortes O, Rabbani T, Thomas R, **Cares K**. Significance of Red Blood Cell Distribution Width in Children with Celiac Disease. *Pediatric Medicine*. Approved June 18 2021. Pending publication: PM-21-24-R2.
2. Zeng M, **Cares K**, Thomas R, El-Baba M. The effectiveness of methylprednisolone as a premedication among the pediatric population for preventing infusion-related reactions to infliximab. *Gastroenterology Nursing*. Approved Jan 13 2021. Pending publication: GNJ-20-137R1.
3. Fu Y, Thomas R, **Cares K**. Influence of Family History on Children with Irritable Bowel Syndrome. *JPGN*. 2021 June 1;72(6):866-869. PMID: 335343632021.

4. **Cares, K**, Klein M, Thomas R, El-Baba M. Rectal Prolapse in Children: An Update to Causes, Clinical Presentation, and Management. *JPGN* 2020 Feb;70(2):243-246. Number of citations: 3.
5. **Cares K**, Al-Ansari N, Macha S, Zoubi N, Zaghoul H, Thomas R, Lalinsky P, El-Baba M. Risk of small intestinal bacterial overgrowth with chronic use of proton pump inhibitors in children. *Eur J Gastroenterol Hepatol*. 2017 Apr;29(4):396-399. Number of citations: 19.

Other

1. "Sensitive Stomach or Irritable Bowel Syndrome? A top pediatric gastroenterologist from CHM shares the symptoms of IBS and what parents should know." Metro Parent magazine. March 2017

PRESENTATIONS

Podium Presentations (referred)

1. **Annual Wolf Zuelzer Fellow Research Conference**, Detroit, MI. "Risk of Small Intestinal Bacterial Overgrowth with Chronic Use of Proton Pump Inhibitors in Children", 2015.
2. **Annual Sheldon Brenner L. Brenner Resident Research Conference, Detroit, MI**. "Risk of functional constipation in children with a history of infantile cow's milk protein allergy". (Mentor), 2020.
3. **Annual Aerodigestive Society Conference, video conference**. "Eosinophilic Esophagitis, Supraglottic Edema and Sleep Apnea in Pediatric Patients: Illustrating the Importance of a Team-Based Approach to Treatment." (Mentor), 2021.

Poster Presentations (refereed)

1. **14th Annual Pediatric Research Day**, Detroit MI. ""Risk of Small Intestinal Bacterial Overgrowth with Chronic Use of Proton Pump Inhibitors in Children"
2. **Digestive Disease Week**, Washington , DC. "Rectal Prolapse: Clinical Characteristics in Children"
4. **North American Society of Pediatric Gastroenterology Hepatology And Nutrition Annual Meeting**, Atlanta, Georgia. "Risk of Small Intestinal Bacterial Overgrowth with Chronic Use of Proton Pump Inhibitors in Children"
5. **North American Society of Pediatric Gastroenterology Hepatology and Nutrition Annual Meeting**, Hollywood, Florida. "The Effectiveness of Methylprednisolone as Premedication in Preventing Infusion Reactions to Infliximab". (Mentor), 2018.
6. **North American Society of Pediatric Gastroenterology Hepatology and Nutrition Annual Meeting**, Chicago, IL. "Influence of Family History on Children with Irritable Bowel Syndrome": (Mentor), 2019.
7. **The American Society of Pediatric Otolaryngology (ASPO)**, Denver ,CO. "Eosinophilic Bronchitis in the Setting of Improving Eosinophilic Esophagitis": (Mentor) 2020
8. **Sheldon Brenner Annual Resident and Fellow Research Program**, Detroit MI. "Risk of functional

constipation in children with a history of infantile cow's milk protein allergy": (Mentor), 2020.

9. **North American Society of Pediatric Gastroenterology Hepatology and Nutrition Annual Meeting**, virtual. "Risk of functional constipation in children with history of infantile cow's milk protein allergy." (Mentor), 2020.
10. **North American Society of Pediatric Gastroenterology Hepatology and Nutrition Annual Meeting**. Nashville, TN. "Gallbladder Polyps as a Rare Presentation of Peutz Jeghers Syndrome in an 11-year-old female with Abdominal Pain (Mentor) 2021.

Invited Lectures/Presentations

Invited Seminars and Grand Rounds

1. **Grand Rounds**, Hurley Hospital, Flint MI. "*Clostridium difficile* infection and fecal microbiota transplantation". September 2015.
2. **Invited guest speaker**, 59th Annual Clinic Days, Children's Hospital of Michigan, Troy, MI. "Management of constipation."
3. **Grand Rounds**, Hurley Hospital, Flint MI. "*The Significance of Gluten: Celiac Disease and Beyond*". September 2016.
4. Presented "GI Bleed" to the Emergency Room staff, fellows, residents, and nurse practitioners June 2017.
5. **Invited guest speaker**, Children's Hospital of Michigan Saturday Lectures Series, Children's Hospital of Michigan, Troy, MI. "*Gastroenterology workup in the Aerodigestive Patient*." February 2018.
6. Presented "Viral Hepatitis" to the Infectious Disease staff. January 2019.
7. Presented "Experience as a fellow" to the fellowship department. February 2019.
8. **Grand Rounds**, Children's Hospital of Michigan, Detroit MI. "*GI perspective in an aerodigestive patient*" March 2019.
9. Presented "Reflux" to the pediatric surgery department. June 2019.
10. Presented "GI perspective in the aerodigestive patient" to the anesthesia department July 2019.
11. Presented "The cost of IBD is Overwhelming. What Can I do?" at the annual IBD Update hosted by Crohn's and Colitis Foundation. Sept 2019.
12. Presented "Cliff notes version of Peds GI" to the nurse practitioner division. Oct 2019.
13. Prepared and presented lecture series "Pediatric Gastroenterology Review" to medical students of Wayne State School of Medicine. April 2020. Video lectures will be available annually to rotating medical students.
14. **Grand Rounds**, Hurley Hospital, Flint MI. "*The Significance of Gluten: Celiac Disease and Beyond*". September 2020.
15. Presented "How to be a Warrior" at the annual IBD Update hosted by Crohn's and Colitis Foundation. October 2020.

16. Presented “GI perspective in the aerodigestive patient” to the pediatric department at Hurley Hospital March 2021.

17. **Invited guest speaker**, 125th AAO-HNSF 2021 Annual Meeting, Los Angeles, California. “*What are you feeding your baby? Managing reflux through diet*”, National Otorhinolaryngologist conference. October 2022.