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Gastrointestinal Eosinophilic Diseases Program (GEDP)
Children's Hospital Colorado (CHCO)
University of Colorado School of Medicine (UCSOM)
13123 E 16th Ave., B290
Aurora, CO 80045
Phone: 720-777-7457
<http://pediatrics.ucdenver.edu/gedp>
<http://www.childrenscolorado.org/gedp>

Gastrointestinal Eosinophilic Diseases Program 2018 Annual Report

In 2018, the GEDP celebrated its decade together. We gave thanks to all the providers outside of the GEDP at Children's Hospital Colorado who extended their expertise to patients suffering from eosinophilic gastrointestinal diseases. Specialists from endocrinology, radiology, pathology, Special Care Clinic, Child Life, MDC, Medical Interpreters, Procedure Center, the Allergy Section and Gastroenterology Section all provided outstanding care for patients from across the region and county. In large part, their dedication is what makes patients and families continue to come for care in the GEDP.

CLINICAL

In 2018, our multi-disciplinary clinical program cared for over 2,500 patients suffering from eosinophilic gastrointestinal diseases (EGIDs). We cared for patients from the Rocky Mountain region as well as those from 40 states. Our engagement with parents and children continues to provide invaluable insights into areas of need and how we can improve future patient care experiences. These insights led to a transition of care program as our adolescent patients mature to adults.

Drs. Glenn T. Furuta, MD and Dan Atkins, MD continue to lead the multidisciplinary group. The GEDP is composed of 7 faculty members (3 gastroenterologists, 2 allergists, 1 behavioral medicine and 1 PhD scientist), feeding specialists (3), dietitians (2), program coordinators (2), nurses (4), a medical assistant and program assistant. Each provides outstanding care to patients with eosinophilic gastrointestinal diseases (EGIDs), including inpatient, outpatient and procedural services.

Highlights

- ***Integration of new program coordinators***-Stephanie Skirka RN from gastroenterology and Jen Natale RN from allergy were promoted to the Program Coordinator roles for the GEDP. This new model of providing both allergy and gastroenterology expertise in leading the program has been transformational as they are able to synergize their collective experiences in patients with diverse needs.
- ***Recruitment of new nursing and medical expertise***-Elizabeth Cronkite RN joined the GEDP from the CHCO inpatient wards. She is bringing new energy and insights into our outpatient care setting. Luxi Sosa, medical assistant, joined from the Digestive Health Institute. She is bringing her day to day medical skills and enthusiasm to the program
- ***Presentation at National meeting on Patient Education***- In an effort to improve teenage adherence, Stephanie Skirka RN and Cassandra Burger, BA presented their work at an oral and poster during the North American Society of Pediatric GI, Hepatology and Nutrition in Florida.
- ***Continued use of unsedated Transnasal Endoscopy***- Dr. Friedlander continues to provide this alternative for patients undergoing biopsy of the esophagus.
- ***Engagement with colleagues from other locations***- We had visits from 3 other institutions who came to understand the multidisciplinary approach to care.
- ***Incorporation of use of the esophagram with a barium coated pill to increase detection of esophageal strictures***-In collaboration with Laura Fenton and Kari Hayes, we added the barium coated pill in order

GEDP Mission: *To improve the lives of patients with eosinophilic gastrointestinal diseases (EGIDs) through novel research, cutting edge patient care, and proactive advocacy, education and mentorship.*

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to increase the ability to identifying esophageal narrowing that may not be visualized at the time of endoscopy.

- ***Thank you program-*** Linda Perez and Rachel Andrews completed monthly visits to deliver gratitude and a box of chocolates to our clinical and research colleagues who provide excellent support to the GEDP.

Honors/Awards

- Dan Atkins, MD, Outstanding Service Award (Faculty), Children's Hospital Colorado
- Dan Atkins, MD, 5 Star Patient-Family Experience Award, Children's Hospital Colorado
- Glenn Furuta, Calies Menard-Katcher, Maureen Bauer 4 Star Patient-Family Experience Award, Children's Hospital Colorado

RESEARCH

Our research program continues to engage in collaborative research studies dedicated to addressing short and long-term needs of our patients with EGIDs. Research is performed on the Anschutz Medical Campus as well as with our collaborators across the world including 11 national (Cincinnati Children's, UC San Diego, Northwestern-Lurie Children's, U Penn-CHOP, U North Carolina, Tufts, Baylor, U Ark, U Utah, Mayo Clinic, U Illinois) and 4 international (Juntendo University-Tokyo, Japan; Bern University-Switzerland; University of Utrecht. Wilhemina Children's Hospital-Netherlands; Porto Allegra Children's Hospital, Curitiba-Brazil). Research is supported by grants from the National Institutes of Health (NIH), Food and Drug Administration (FDA), Children's Hospital Colorado (CHCO) Research Institute, La Cache Chair for GI Immunological and Allergic Diseases, the University of Colorado School of Medicine, academic societies, industry and philanthropic donations. Results from our research led to 28 publications in 2018; perhaps more importantly, our work has been cited over 10,100 time by other research articles.

Highlights

- ***Recruitment of Outstanding Investigator-*** The GEDP is ecstatic to welcome Lisa Spencer, PhD from Beth Israel Hospital and Harvard Medical School. She brings her expertise in defining the roles of eosinophils in gastrointestinal inflammation and new scientific approaches that will ultimately lead to new treatment approaches.
- ***Collaboration in research with Rare Diseases Consortia and Pediatric Collaborative Research Institutes (PCORI)-*** GEDP members,(including Calies Menard-Katcher, Paul Menard-Katcher, Cassandra Burger, Kendra Kocher, Jonathon Cahoon, Taryn Brennan, Dan Atkins, Joel Friedlander, Glenn T. Furuta) participate in the administration and research in the NIH Rare Diseases Clinical Research Network grant titled Consortium of Eosinophilic Gastrointestinal Disease Researchers (CEGIR) and the PCORI study.
- ***Development of novel ways to monitor disease activity-*** We continue to advance efforts to bring the novel approaches to patient care with transnasal endoscopy (Joel Friedlander, MD), esophageal string test (Glenn T. Furuta, MD) and the EndoFLIP (Calies Menard-Katcher, MD) in order to reduce anesthesia use, procedural risks and costs. These studies are supported by grants from NIH, FDA and North American Society for Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN).



- **Receipt of grants from Thetis and Holoclara**-These partnerships with industry colleagues seek to understand how new molecules may impact eosinophilic inflammation in our mouse model.
- **International research collaborations**- Eisuke Inage, MD, PhD is an excellent pediatric allergist from Juntendo University in Tokyo. He will complete his studies examining barrier dysfunction in EoE this summer and return back to his home institution.
- **Participation in the GI and Liver Innate Immunity Program (GALIIP)**- Sean Colgan, PhD continues to lead this Transformational Grant from the University of Colorado School of Medicine that focusses efforts to engage with local and national experts in understanding the innate immune system in GI and liver health.
- **Identification of new mechanism of EoE**- Since departing to her faculty position at Maynouth University in Ireland, Joanne Masterson, PhD continues to collaborate with the GEDP in her EGID research. In fact, she was recently awarded the Science Foundation of Ireland Grant, a prestigious grant equivalent to an NIH R01 that focusses on the role of hypoxia in EoE.
- **Progress in telehealth and treatment adherence**- Pooja Mehta, MD joined the faculty at University of Colorado School of Medicine and CHCO. She has received 2 grants that are improving our understanding of how to improve adherence to treatments of GI diseases.

Publications

(Total citations of collective works=10,111)

1. Wright BL, Nguyen N, Shim KP, Masterson JC, Jacobsen EA, Ochkur SI, Lee JJ, Furuta GT. Increased GATA-3 and T-bet expression in eosinophilic esophagitis vs gastroesophageal reflux disease. *J Allergy Clin Immunol*. 2018 Jan 25 (18) 30117-9.
2. Fahey LM, Chandramouleeswaran PM, Guan S, Benitez AJ, Furuta GT, Aceves SS, Wang ML, Liacouras CA, Muir AB, Sleiman PM, Hakonarson H, Spergel JM, Cianferoni A. Food allergen triggers are increased in children with the TSLP risk allele and eosinophilic esophagitis. *Clin Transl Gastroenterol*. 2018 Mar 6;9(3):139. PMID:29511165
3. Warners MJ, Ambarus CA, Bredenoord AJ, Verheij J, Lauwers GY, Walsh JC, Katzka DA, Nelson S, van Viegen T, Furuta GT, Gupta SK, Stitt L, Zou G, Parker CE, Shackelton LM, D Haens GR, Sandborn WJ, Dellon ES, Feagan BG, Collins MH, Jairath V, Pai RK. Reliability of histologic assessment in patients with eosinophilic oesophagitis. *Aliment Pharmacol Ther*. 2018 Apr;47(7):940-950. PMID: 29460418.
4. Hiremath G, Kodroff E, Strobel MJ, Scott M, Book W, Reidy C, Kyle S, Mack D, Sable
5. K, Abonia P, Spergel J, Gupta SK, Furuta GT, Rothenberg ME, Dellon ES. Individuals affected by eosinophilic gastrointestinal disorders have complex unmet needs and frequently experience unique barriers to care. *Clin Res Hepatol Gastroenterol*. 2018 Mar 31. pii: S2210-7401(18)30042-1 PMID:29615329
6. Shoda T, Wen T, Aceves SS, Abonia JP, Atkins D, Bonis PA, Caldwell JM, Capocelli KE, Carpenter CL, Collins MH, Dellon ES, Eby MD, Gonsalves N, Gupta SK, Falk GW, Hirano I, Menard-Katcher P, Kuhl JT, Krischer JP, Leung J, Mukkada VA, Spergel JM, Trimarchi MP, Yang GY, Zimmermann N, Furuta GT, Rothenberg ME, on behalf of the Consortium of Eosinophilic Gastrointestinal Disease Researchers (CEGIR) Eosinophilic oesophagitis endotype classification by



- molecular, clinical, and histopathological analyses: a cross-sectional study *Lancet Gastroenterology and Hepatology*. 2018 Jul;3(7):477-488. PMID: 29730081
7. Ma C, van Rhijn BD, Jairath V, Nguyen TM, Parker CE, Aceves SS, Furuta GT, Gupta SK, Katzka DA, Safroneeva E, Schoepfer AM, Straumann A, Spergel JM, Pai RK, Feagan BG, Hirano I, Dellon ES, Bredenoord AJ. Heterogeneity in Clinical, Endoscopic, and Histologic Outcome Measures and Placebo Response Rates in Clinical Trials of Eosinophilic Esophagitis: A Systematic Review. *Clin Gastroenterol Hepatol*. 2018 Jun 13. PMID:29908360
 8. Grozdanovic M, Laffey KG, Abdelkarim H, Hitchinson B, Harijith A, Moon HG, Park GY, Rousslang LK, Masterson JC, Furuta GT, Tarasova NI, Gaponenko V, Ackerman SJ. Novel peptide nanoparticle-biased antagonist of CCR3 blocks eosinophil recruitment and airway hyperresponsiveness. *J Allergy Clin Immunol*. 2018 May 17. PMID:29778505
 9. Kottyan LC, Maddox A, Braxton JR, Stucke EM, Mukkada V, Putnam PE, Abonia JP, Chehade M, Wood RA, Pesek RD, Vickery BP, Furuta GT, Dawson P, Sampson HA, Martin LJ, Kelly JA, Kimberly RP, Sivils K, Gaffney PM, Kaufman K, Harley JB, Rothenberg ME. Genetic variants at the 16p13 locus confer risk for eosinophilic esophagitis. *Genes Immun*. 2018 Jun 8. PMID:29904099
 10. Ma C, van Rhijn BD, Jairath V, Nguyen TM, Parker CE, Aceves SS, Furuta GT, Gupta SK, Katzka DA, Safroneeva E, Schoepfer AM, Straumann A, Spergel JM, Pai RK, Feagan BG, Hirano I, Dellon ES, Bredenoord AJ. Heterogeneity in Clinical, Endoscopic, and Histologic Outcome Measures and Placebo Response Rates in Clinical Trials of Eosinophilic Esophagitis: A Systematic Review. *Clin Gastroenterol Hepatol*. 2018 S1542-3565(18)30610-4. PMID:29908360
 11. Aceves SS, King E, Collins MH, Yang GY, Capocelli KE, Abonia JP, Atkins D, Bonis PA, Carpenter CL, Dellon ES, Eby MD, Falk GW, Gonsalves N, Gupta SK, Hirano I, Kocher K, Krischer JP, Leung J, Lipscomb J, Menard-Katcher P, Mukkada VA, Pan Z, Spergel JM, Sun Q, Wershil BK, Rothenberg ME, Furuta GT. Alignment of parent- and child-reported outcomes and histology in eosinophilic esophagitis across multiple CEGIR sites. Consortium of Eosinophilic Gastrointestinal Disease Researchers (CEGIR). *J Allergy Clin Immunol*. 2018 Jul;142(1):130-138. PMID: 29852258
 12. Dellon ES, Liacouras CA, Molina-Infante J, Furuta GT, Spergel JM, Zevit N, Spechler SJ, Attwood SE, Straumann A, Aceves SS, Alexander JA, Atkins D, Arva NC, Blanchard C, Bonis PA, Book WM, Capocelli KE, Chehade M, Cheng E, Collins MH, Davis CM, Dias JA, Di Lorenzo C, Dohil R, Dupont C, Falk GW, Ferreira CT, Fox A, Gonsalves NP, Gupta SK, Katzka DA, Kinoshita Y, Menard-Katcher C, Kodroff E, Metz DC, Miehlke S, Muir AB, Mukkada VA, Murch S, Nurko S, Ohtsuka Y, Orel R, Papadopoulou A, Peterson KA, Philpott H, Putnam PE, Richter JE, Rosen R, Rothenberg ME, Schoepfer A, Scott MM, Shah N, Sheikh J, Souza RF, Strobel MJ, Talley NJ, Vaezi MF, Vandenplas Y, Vieira MC, Walker MM, Wechsler JB, Wershil BK, Wen T, Yang GY, Hirano I, Bredenoord AJ. Updated international consensus diagnostic criteria for eosinophilic esophagitis: Proceedings of the AGREE conference. *Gastroenterology*. 2018 Jul 12. PMID:30009819 *shared first author
 13. Chehade M, Jones SM, Pesek RD, Burks AW, Vickery BP, Wood RA, Leung DYM, Furuta GT, Fleischer DM, Henning AK, Dawson P, Lindblad RW, Sicherer SH, Abonia JP, Sherrill JD, Sampson HA, Rothenberg ME. Phenotypic Characterization of Eosinophilic Esophagitis in a



- Large Multi-Center Patient Population from the Consortium for Food Allergy Research.. J Allergy Clin Immunol Pract. 2018 Jul 31.PMID: 30075341
14. Schoepfer AM, Hirano I, Coslovsky M, Roumet MC, Zwahlen M, Kuchni CE, Hafner D, Alexander JA, Dellon ES, Gonsalves N, Leung J, Bussmann C, Collins MH, Newbury RO, Smyrk TC, Woosley JT, Yang GY, Romero Y, Katzka DA, Furuta GT, Gupta SK, Aceves SS, Chehade M, Spergel JM, Falk GW, Meltzer BA, Comer GM, Straumann A, Safroneeva E; International EEsAI Study Group. Variation in Endoscopic Activity Assessment and Endoscopy Score Validation in Adults with Eosinophilic Esophagitis. Clin Gastroenterol Hepatol. 2018 Nov 23. pii: S1542-3565(18)31275-8. PMID: 30476587
 15. Nguyen N, Baumgarten A, Wright BL, Capocelli KE, Pan Z, Lee JJ, Furuta GT, Masterson JC. Histologic similarities in children with eosinophilic esophagitis and proton pump inhibitor-responsive esophageal eosinophilia. J Allergy Clin Immunol. 2018 Nov 14. pii: S0091-6749(18)31594-X.PMID:30445056
 16. Mark JA, Anderson BT, Pan Z, Menard-Katcher C, Kramer RE. Comparative Analysis of Adverse Events after Esophageal Balloon and Bougie Dilations in Children. J Pediatr Gastroenterol Nutr. 2018 Dec 14. PMID: 30562312
 17. Mehta P, Furuta GT, Brennan T, Henry ML, Maune NC, Sundaram SS, Menard-Katcher C, Atkins D, Takurukura F, Giffen S, Pan Z, Haas AM. Nutritional State and Feeding Behaviors of Children With Eosinophilic Esophagitis and Gastroesophageal Reflux Disease. J Pediatr Gastroenterol Nutr. 2018 Apr;66(4):603-608. PMID: 28906318
 18. Egan M, Atkins D. What Is the Relationship Between Eosinophilic Esophagitis (EoE) and Aeroallergens? Implications for Allergen Immunotherapy. Curr Allergy Asthma Rep. 2018 Jun 16;18(8):43. PMID: 29909507
 19. Atkins D. The Occasional Ebb and Flow between Eosinophilic Esophagitis and IgE-Mediated Food Allergy. J Allergy Clin Immunol Pract. 2018 Mar - Apr;6(2):651-652. PMID: 29524999
 20. Khalaf RT, Mehta P, Lovell M, Friedlander JA. Esophagitis Dissecans Superficialis Diagnosed by Unsedated Transnasal Esophagoscopy. J Pediatr Gastroenterol Nutr. 2018 Oct 12. PMID: 30320667
 21. Mark J, Fernando SD, Masterson JC, Pan Z, Capocelli KE, Furuta GT, de Zoeten EF. Clinical Implications of Pediatric Colonic Eosinophilia. J Pediatr Gastroenterol Nutr. 2018 May;66(5):760-766. PMID: 29095349100. Zevit N, Furuta GT.J Pediatr Gastroenterol Nutr. Eosinophilic Gastroenteritis and Colitis - Not Yet Ready For the Big Leagues. 2018 Apr 3.10.1097 PMID: 29620603
 22. Lee K, Furuta GT, Nguyen N. Eosinophilic Esophagitis Is an Underlying Cause for Gastrointestinal Concerns in Children. Front Pediatr. 2018 May 3;PMID:29780792
 23. Yadlapati R, Furuta GT, Wani S. Biomarkers for Laryngopharyngeal Reflux: The Sep70/Pepsin Ratio. Gastroenterology. 2018 Jun 6. PMID:29883572
 24. Egan M, Furuta GT. Eosinophilic Gastrointestinal Diseases (EGIDs) beyond Eosinophilic Esophagitis (EoE). Ann Allergy Asthma Immunol. 2018 Jun 22 PMID: 29940308
 25. Spergel JM, Dellon ES, Liacouras CA, Hirano I, Molina-Infante J, Bredenoord AJ,

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Furuta GT; participants of AGREE. Summary of the updated international consensus diagnostic criteria for eosinophilic esophagitis: AGREE conference. *Ann Allergy Asthma Immunol*. 2018 Jul 17. PMID:30030146

26. Ferreira CT, Vieira MC, Furuta GT, Barros FCLF, Chehade M Eosinophilic esophagitis-Where are we today?. *J Pediatr (Rio J)*. 2018 Aug 1. PMID:30075121.
27. Inage E, Furuta GT, Menard-Katcher C, Masterson JC. Eosinophilic Esophagitis Pathophysiology and its Clinical Implications. *Am J Physiol Gastrointest Liver Physiol*. 2018 Sep 13. PMID:30212252
28. Gupta SK, Falk GW, Aceves SS, Chehade MA, Collins MH, Dellon ES, Gonsalves N, Hirano I, Mukkuda VA, Peterson KA, Spergel J, Yang GY, Furuta GT, Rothenberg ME; Consortium of Eosinophilic Gastrointestinal Disease Researchers (CEGIR). Consortium for Eosinophilic Researchers (CEGIR): Advancing the Field of Eosinophilic GI Disorders Through Collaboration. *Gastroenterology*. 2018 Nov 16. pii: S0016-5085(18)35271-5. PMID: 30452923

Research Presentations

- Dan Atkins, MD. Updates on Eosinophilic Esophagitis. Oral Presentation. National Jewish Health. Allergy Fellows' Thursday Morning Conference, Lecture: July 2018.
- Nguyen N, Atkins D, Andrews R, Skirka S, Natale J, Knotowicz H, Menard-Katcher P, Yadlapati R, Egan M, Menard-Katcher C, Furuta, GT, Robinson J. Assessing Healthcare Transition Readiness in Adolescents with Eosinophilic Gastrointestinal Diseases. Poster Presentation. American Partnership for Eosinophilic Diseases Eos Connection Patient Education Conference. Aurora, CO. July 2018.
- Nguyen N, Lavery W, Capocelli KE, DeBoer E, Deterding R, Prager, J, Smith C, Mesenbrink K, Kramer RE, Furuta GT, Friedlander J. Unsedated In-Office Transnasal Endoscopy is Safe and Effective in Monitoring Disease Activity in Pediatric Eosinophilic and Non-Eosinophilic Esophageal Disease. Poster Presentation, Digestive Disease Week. Washington DC. June 2018.
- Inage E, Hammer JA, Nguyen N, Fernando SD, Furuta GT, Masterson JC. TGFB1 Mediated Upregulation of a Transcription Factor, SNAI1 in Eosinophilic Esophagitis. Poster Presentation, Digestive Disease Week. Washington DC. June 2018.

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Research Grants

PRINCIPAL NAME	SPONSOR	PROJECT TITLE
FURUTA, GLENN T	NIH/NIAID/R21	Esophageal Haemophilus influenzae contribution to Eosinophilic Esophagitis
FURUTA, GLENN T	NIH/NIDDK/K24	Patient research in eosinophilic gastrointestinal diseases
FURUTA, GLENN T	NIH/NIAID/U54	Consortium of Eosinophilic Gastrointestinal Disease (Clinical Research Project 1, OMEGA Trial) Researchers
FURUTA, GLENN T	FDA	Role of the esophageal string test in monitoring Eosinophilic Esophagitis
FURUTA, GLENN T	NIH/NIAID/U54	Consortium of Eosinophilic Gastrointestinal Disease (Administrative Core) Researchers
FURUTA, GLENN T	HOLOCLARA, INC.	Novel therapeutic molecule treatment for mouse model of esophagitis
FURUTA, GLENN T	NIH/NIAID/U54	Consortium of Eosinophilic Gastrointestinal Disease (Pilot/Demonstration Clinical Research Program) Researchers
MENARD-KATCHER, CALIES DESIATO	NIH/NIDDK/K23	Structural and molecular markers for detection and monitoring of pediatric fibrostenotic Eosinophilic Esophagitis
MENARD-KATCHER, CALIES DESIATO	END ALLERGIES TOGETHER (E.A.T)	Use of Esophageal String Test to understand symptoms, inflammation and function in eosinophilic esophagitis
SPENCER, LISA A	NIH/NIAID/R01	Eosinophil functions in allergic gastrointestinal diseases

EDUCATION and TRAINING

In addition, the GEDP continues to provide new and innovative training strategies for students, residents, fellows and junior faculty, as well as educational programs to the local community and nationally.

Highlights

- **Educating at local, national and international venues.** In order to increase recognition of EGIDs and provide updates on current research in this field, Holly Knotowicz, Drs. Atkins, Menard-Katcher, Nguyen and Furuta gave a number of presentations and Visiting Professorships throughout the year. These lectureships took them to many places across the United States as well as McMaster University, Hamilton Canada, Toronto. Holly's presentation at the Feeding Matters Conference in Phoenix drew many positive reviews and comments where she provided a thoughtful and comprehensive approach to feeding children with EoE.
- **Receiving expertise from Visiting Professor.** This year brought another of the world's experts in Eosinophilic Esophagitis to our campus, Seema Aceves, MD, PhD. Dr. Aceves is a pediatric allergist from University of California San Diego where she leads their Eosinophilic Gastrointestinal Diseases Program. She is an expert and leader in EoE related research and clinical care. Dr. Aceves spent several days with us offering important insights into many aspects related to EGIDs pathogenesis and patient care.

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- ***Provided educational content for Patient Education Symposium.*** In July 2018, the American Partnership for Eosinophilic Disorders (APFED.org) held its 16th Annual Patient Education Conference at Children's Hospital Colorado and the Hyatt Regency Hotel. The GEDP provided educational content and organizational support for over 200 patients and families. Dr. Atkins worked with Ms. MaryJo Strobel of the American Partnership for Eosinophilic Diseases and Dr. Furuta to plan the curriculum and the program for the meeting.
- ***Engaged with students in mentoring activities***
David Kim- College Student from the Occidental University published a review article on the role of Claudins in GI and hepatic diseases and submitted an article examining the role of diet in IBD patients.
Heather Miyazawa- College Student from University of Colorado, Boulder is completing a study on the clinical association of chromosomal abnormalities with EGIDs.
Irina Marii- Master's Bioengineering student from University of Colorado, Anschutz Medical Campus completed her project examining the FDA pathway toward device approval.

ADVOCACY, SERVICE and COMMUNITY INVOLVEMENT

- ***Expanding knowledge and high standards through the National Institutes of Health and academic societies.*** Dr. Spencer serves on NIH study sections where she reviews grants. Dr. Atkins in his role as the committee chair, worked with other members of the Eosinophilic Gastrointestinal Diseases Committee of the American Academy of Allergy, Asthma and Immunology to develop the sessions submitted for inclusion in the curriculum for the 2019 Annual Meeting of the American Academy of Allergy, Asthma and Immunology in February of 2019 in San Francisco, California. Dr. Menard-Katcher, in her role on the North American Society for Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN) Research Committee, provided excellent guidance and rigor for funded research. Dr. Furuta Co-Chaired the American Gastroenterological Association Digestive Diseases Week EGID Basic Abstract Committee.
- ***Serving as Medical Advisors-***Drs. Atkins and Furuta are members of the Medical Advisory Board of the American Partnership for Eosinophilic Disorders (APFED) and the Campaign Urging Research for Eosinophilic Diseases (CURED) Foundation.
- ***Serving patients and families-***The GEDP continues a longstanding tradition of providing meals for patients and their families staying in the Ronald McDonald House. Holly Knotowicz serves an active liaison with the Round Up River Ranch where she has participated in the retreats and organized fundraisers.

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Links of interest related to the GEDP

- ***Interviews with GEDP providers***

Dr. Atkins

<https://www.youtube.com/watch?v=G-5QhjIyb44>

Dr. Furuta

https://www.youtube.com/watch?v=NvtP5cWg5_w

Dr. Menard-Katcher

<https://www.youtube.com/watch?v=4efzIw1lqsY>

- ***Esophageal String Test work***

<http://www.ucdenver.edu/academics/colleges/medicalschoo/PatientCare/quality/Newsroom/Pages/Glenn-Furuta%2c-MD.aspx>

- ***Funding news from La Cache for the GEDP***

<https://www.thedenverchannel.com/news/front-range/denver/denvers-la-cache-consignment-shop-has-multi-million-dollar-impact-for-local-children>

- ***Consortium of Eosinophilic Gastrointestinal Disease Researchers (CEGIR)***

<https://www.rarediseasesnetwork.org/cms/cegir>

- ***Discussion with patients about experiences with Eosinophilic GI diseases***

<https://www.youtube.com/watch?v=GbD7TE7XVU>

<https://www.youtube.com/watch?v=j-wX-oZ4cDs>