Food Prints

A newsletter dedicated to those living with Food Protein-Induced Enterocolitis Syndrome (FPIES)

NIH Awards First Research Funding For FPIES

International FPIES Association's Advisory Board Chair and AAAAI Board of Directors member Anna H. Nowak-Wegrzyn, MD, PhD, FAAAAI, has been awarded a 2.5-million- dollar research grant to study the immunology of FPIES from the National Institutes of Health (NIH). This is the first time the NIH has awarded funds for this condition.

Dr. Nowak-Wegrzyn and her colleague Cecilia Berin, PhD, will explore oral food challenges for FPIES, examining changes in participants' blood immune parameters after challenges. They hope this research will lead to a better diagnostic test and better treatment options by understanding the mechanisms of FPIES reactions.

As the body of FPIES research has increased, researchers have been better able to present the case for NIH funding, culminating in the NIH's National Institute of Allergy and Infectious Diseases (NIAID) Food Protein-induced Enterocolitis Syndrome (FPIES) Workshop held in June 2022 and facilitated by the International FPIES Association (I-FPIES).

International FPIES Association (I-FPIES)

is a 501(c)3 patient organization dedicated to improving the diagnosis, treatment and quality of life for those with FPIES through advocacy, education, support, and research.

WWW.FPIES.ORG

COMING SOON: FPIES Telehealth Platform

I-FPIES is proud to launch "Lonnie's Lounge," the first-ever telehealth platform designed to meet the practical management needs of pediatric and adult FPIES patients and their families. Inspired by the FDA's Center for Drug Evaluation and Research (CDER) patient-focused drug development initiative, the program will provide ancillary support and feature experts in nutrition, feeding therapy, research, and supportive counseling, as well as medical and governmental societies to educate and interact with patients.

Through both programmed webinars and live sessions, the patient voice is prioritized to develop psychosocial and practical management interventions, while assessing future areas of need to accurately address the challenges they face. Patients will have screen-to-screen access to experts in 504 plans, FPIES-friendly food shopping, cooking with safe ingredients, caregiver education, and best practices for prepared travel experiences.

The platform will be free to I-FPIES members. Interested sponsors, please email contact@fpies.org. Special thanks to Dr. Allan Stillerman and his late wife Lonnie Stillerman for inspiring this program.

Meet the Researcher at FPIES.org

"Meet the Researcher" is an I-FPIES series aimed to bridge the gap between patient, family, provider, and researcher. Advancing a diagnostic and treatment is at the forefront of our research mission. Patients and families do not often have an opportunity to connect with researchers with an interest in FPIES. This series connects our research and patient communities through live webinars, surveying patients directly and helping to support their engagement in studies.

On our new "Research" tab at **FPIES.org**, all open and completed studies and supplemental publications will be video-recorded and easily accessible to patients and caregivers. Are you an FPIES researcher with interest in participating or a potential program sponsor? Email us at contact@fpies.org to learn more.

FPIES-Related Sessions and Posters at AAAAI

Seminar:

2008 Guiding Subsequent Food Introductions After a Diagnosis of Food Protein-Induced Enterocolitis Syndrome (FPIES)
Saturday, 2/25/2023 7:00 am - 8:00 am
Hyatt, Third Floor, Presidio B
Jacob D. Kattan, MD, MD FAAAAI and Lisa M. Bartnikas, MD
This is a ticketed session that requires separate registration.

Poster Sessions

Saturday, 2/25 at 9:45 -10:45 AM:

◊ 288 FPIES updates from a single U.S. pediatric center

◊ 290 Characteristics and Outcomes of a Large Cohort of Patients with FPIES to Peanut

◊ 293 Selective Reactions To Fish In Adult Patients With Food Protein-Induced Enterocolitis Syndrome (FPIES)

◊ 294 Prevalence and Characteristics of Subsequent Reactions after Initial FPIES Diagnosis

◊ 295 Incidence and Severity of FPIES Based on Food Type in a Large Integrated Healthcare System

◊ 298 The Atypical Features of Atypical Egg Food Protein-Induced Enterocolitis (FPIES)

◊ 300 Quality of life in adults with food protein-induced enterocolitis syndrome (FPIES)

◊ 303 Protein induced enterocolitis syndrome (FPIES) in Canada: clinical characteristics and management

Sunday, 2/26 at 9:45 -10:45 AM:

◊ 563 Designing an Optimized Electronic Health Record Search Strategy to Identify Patients with Peanut Food Protein Induced Enterocolitis Syndrome (FPIES)

*****Featured Poster Session*** Sunday, 2/26 at 4:45-6:15 pm:**

◊ 661 Intravenous Access Is Rarely Necessary For FPIES Oral Food Challenges

Case Report Poster Sessions

Friday, 2/24 at 3:15 pm - 4:15 pm:

◊ BR Differentiating Food-Protein Induced Enterocolitis Syndrome (FPIES) from an episode of Anaphylaxis

Saturday, 2/25 at 9:45 -10:45 AM:

◊ DK A Case of Diarrhea-Predominant FPIES Triggered by Raw Fish

◊ DV Missed Diagnosis of Food Protein-Induced Enterocolitis Syndrome

◊ EB Cashew Allergy: The Transition from IgE-mediated Hypersensitivity to FPIES

Poster Session (LB)

Friday, 2/24 at 3:15 pm - 4:15 pm:

◊ L33 Piloting a Multidisciplinary Education Session to Support and Empower Caregivers of Children with Food Protein-Induced Enterocolitis Syndrome (FPIES)

International FPIES Association (I-FPIES) is a nonprofit corporation and organization.

© Copyright 2023 International FPIES Association

Recent FPIES Literature

Yamamoto-Hanada K, Pak K, Saito-Abe M, Sato M, Miyaji Y, Mezawa H, Nishizato M, Yang L, Kumasaka N, Nomura I, Ohya Y; Japan Environment and Children's Study (JECS) Group. Prenatal antibiotic use, caesarean delivery and offspring's food protein-induced enterocolitis syndrome: A National Birth Cohort (JECS). Clin Exp Allergy. 2023 Jan 20. doi: 10.1111/cea.14286. Epub ahead of print. PMID: 36680339.

Fukuta A, Nagata K, Tamaki A, Kawakubo N, Matsuura T, Tajiri T. Necrotizing enterocolitis associated with food protein-induced enterocolitis syndrome: A case report. Int J Surg Case Rep. 2023 Jan 11;103:107885. doi: 0.1016/j.ijscr.2023.107885. Epub ahead of print. PMID: 36640465; PMCID: PMC9845994.

Su KW, Cetinbas M, Martin VM, Virkud YV, Seay H, Ndahayo R, Rosow R, Elkort M, Gupta B, Kramer E, Pronchick T, Reuter S, Sadreyev RI, Huang JL, Shreffler WG, Yuan Q. Early infancy dysbiosis in food protein-induced enterocolitis syndrome: A prospective cohort study. Allergy. 2023 Jan 12. doi: 10.1111/all.15644. Epub ahead of print. PMID: 36635218.

Salik D, Moulart F, Marangoni M, Salamouras D, André MS, Vilain C. Co-Occurrence of Hypohidrotic Ectodermal Dysplasia and Food Protein-Induced Enterocolitis Syndrome: A Report of a New Ectodysplasin A Variant. Skin Appendage Disord. 2023 Jan;9(1):64-68. doi: 10.1159/000526428. Epub 2022 Sep 16. PMID: 36632363; PMCID: PMC9827719.

Jacobs S, Trogen B, Nowak-Wegrzyn A. Recurrence of Food Protein-Induced Enterocolitis Syndrome (FPIES) Following a Food Challenge. J Allergy Clin Immunol Pract. 2023 Jan;11(1):326-328. doi: 10.1016/j.jaip.2022.10.029. PMID: 36610758.

Baker MG, Sampson HA. Recent trends in food protein-induced enterocolitis syndrome (FPIES). J Allergy Clin Immunol. 2023 Jan;151(1):43-46. doi: 10.1016/j.jaci.2022.11.002. PMID: 36608982.

Bair E. Introduction of soy-free plant-based pediatric formula in infants with FPIES: A case report. Nutr Health. 2022 Nov 29:260106022113884 9. doi: 10.1177/02601060221138849. Epub ahead of print. PMID: 36445066.

Hernández-Almeida P, Vásconez-Muñoz F, Vásconez-Montalvo A, Sempértegui-Moscoso R, Contreras G, Carrión-Jaramillo E. Food protein-induced enterocolitis syndrome with pneumatosis intestinalis in an exclusively breastfed infant: A case report and literature review. Clin Case Rep. 2022 Nov 23;10(11):e6520. doi:10.1002/ccr3.6520. PMID: 36439383; PMCID: PMC9684614.

Mathew M, Leeds S, Nowak-Węgrzyn A. Recent Update in Food Protein-Induced Enterocolitis Syndrome: Pathophysiology, Diagnosis, and Management. Allergy Asthma Immunol Res. 2022 Nov;14(6):587-603. doi: 10.4168/aair.2022.14.6.587. PMID: 36426394; PMCID: PMC9709682.

Jungles K, Speck A, McMorris M, Gupta M. Food protein-induced enterocolitis syndrome to peanuts: A case series. J Allergy Clin Immunol Pract. 2022 Nov 11:S2213-2198(22)01188-6. doi: 10.1016/j.jaip.2022.10.043. Epub ahead of print. PMID: 36375742.

Graham F, Caubet JC. The Natural History of Food Protein-Induced Enterocolitis Syndrome (FPIES) in Adults. J Allergy Clin Immunol Pract. 2022 Nov;10(11):2993-2994. doi: 10.1016/j.jaip.2022.08.038. PMID: 36357051.

Gernert S, Finger A, Lange L. FPIES: Data for Germany in international comparison. Allergol Select. 2022 Oct 5;6:233-240. doi: 10.5414/ALX02363E. PMID: 36337681; PMCID: PMC9631802.

Lozano-Ojalvo D, Chen X, Dunkin D, Agashe C, Baker MG, Bird JA, Molina E, Nowak-Wegrzyn A, Berin MC. Untargeted serum metabolomic analysis reveals a role for purinergic signaling in FPIES. J Allergy Clin Immunol. 2022 Oct 25:S0091-6749(22)01418-X. doi: 10.1016/j.jaci.2022.09.035. Epub ahead of print. PMID: 36306938.

Faitelson Y, Yoffe S, Segal N, Marcus N, Greenbaum E, Shahar-Nissan K, Beigelman A. Tolerability of baked milk consumption in children with food protein-induced enterocolitis syndrome. J Allergy Clin Immunol Pract. 2023 Jan;11(1):329-331. doi: 10.1016/j.jaip.2022.10.013. Epub 2022 Oct 21. PMID: 36273805.

Nishimura K, Yamamoto-Hanada K, Sato M, Toyokuni K, Ogita H, Kiguchi T, Miyagi Y, Inuzuka Y, Saito-Abe M, Irahara M, Ishikawa F, Kabashima S, Miyaji Y, Fukuie T, Nomura I, Ohya Y. Remission of Acute Food Protein-Induced Enterocolitis Syndrome Confirmed by Oral Food Challenges in Japan. Nutrients. 2022 Oct 7;14(19):4158. doi: 10.3390/nu14194158. PMID: 36235810; PMCID: PMC9570973.

Zhao C, Chen L, Gao J. The challenging diagnosis of food protein-induced enterocolitis syndrome: A case report series. Front Pediatr. 2022 Sep 20;10:913278. doi: 10.3389/fped.2022.913278. PMID: 36204669; PMCID: PMC9531772.

Miceli Sopo S, Sinatti D, Sodero G, Gelsomino M, Mastellone F. Adherence to dietary prescriptions in patients with acute food protein-induced enterocolitis syndrome. Pediatr Investig. 2022 Jun 10;6(3):207-210. doi: 10.1002/ped4.12333. PMID: 36203511; PMCID: PMC9523800.