




Sohail Z Husain

Chambers-Okamura Endowed Professor of Pediatric Gastroenterology
Pediatrics - Gastroenterology

 NIH Biosketch available Online

 Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Pediatric Gastroenterology**

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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Bio

BIO

Dr. Sohail Husain, MD, is the Chambers-Okamura Endowed Professor and Chief of the Division of Pediatric Gastroenterology, Hepatology, and Nutrition at Stanford. He assumed the position as Chief in 2019, with the vision for Stanford to serve as the pre-eminent provider of pediatric GI care in the region and to emerge as a global leader in pediatric GI research and education and a destination site for highly recognized programs of excellence. The mission that he promotes for the Division is to “heal children with digestive disease through innovation.”

Sohail likes to be a matchmaker. At Stanford, he intends to marry science and medicine. Early on in his career, he became entrenched in a quest to decipher the mechanisms underlying disorders of the exocrine pancreas. Sohail’s research investigates three broad areas relating to the exocrine pancreas: (1) The crucial molecular and immune signaling pathways that initiate and transduce pancreatitis; (2) the factors that turn on pancreatic regeneration and recovery after pancreatic injury; and (3) the mechanisms underlying drug-induced pancreatitis. The overarching goal is to move the needle on science and medicine and to elevate work in the exocrine field to the highest levels of impact, by leveraging multi-omics, big data, and the rich, cutting edge environment across Stanford. The mission of Sohail’s research group is to “make breakthroughs in the pancreas and beyond that benefit patients and society, through innovation, partnerships, inclusion, and integrity.”

Sohail takes pride in the institutions that trained him. This includes Tufts University, where he earned an MD, New York University, where he did his Pediatric residency, and Yale University, where he trained as a Pediatric GI fellow. Before moving to Stanford, Sohail served as Director of the Pediatric Exocrine Pancreatic Disorders Program at the University of Pittsburgh.

Sohail enjoys hiking, swimming, and jogging. He is actively involved in humanitarian projects, with Humanity First USA, including taking disaster relief trips after the 2005 tsunami to Banda Aceh (Indonesia), the 2006 hurricane Katrina to New Orleans, and the 2010 earthquake to Port-au-Prince (Haiti). He was born in India, raised in Brooklyn, and now resides in the beautiful Bay Area.

CLINICAL FOCUS

- Pediatric Gastroenterology

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Pediatrics - Gastroenterology
- Member, Bio-X
- Member, Stanford Medicine Children's Health Center for IBD and Celiac Disease

ADMINISTRATIVE APPOINTMENTS

- Chief, Pediatric Gastroenterology, Hepatology, and Nutrition, Stanford University, (2019- present)

PROFESSIONAL EDUCATION

- Medical Education: Tufts University School of Medicine (1998) MA
- Board Certification: Pediatric Gastroenterology, American Board of Pediatrics (2005)
- Fellowship: Yale University Pediatric Gastroenterology Fellowship (2004) CT
- Residency: New York University Pediatric Residency (2001) NY
- Postdoctoral Research Fellow, Yale University School of Medicine, New Haven, CT , Pediatric Gastroenterology, Hepatology & Nutrition (2004)
- Clinical Fellowship, Yale University School of Medicine, New Haven, CT , Pediatric Gastroenterology, Hepatology, & Nutrition (2002)
- Residency, New York University Medical Center, New York, NY , Pediatrics (2001)
- MD, Tufts University School of Medicine, Boston, MA , Medicine (1998)
- BS, Binghamton University, Binghamton, NY , Biological Sciences (1994)

LINKS

- My Lab Site: <https://www.husainlab.org/>

Research & Scholarship

RESEARCH INTERESTS

- Professional Development
- Research Methods

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research delves into three broad areas of the exocrine pancreas: (1) The crucial signaling pathways that initiate and transduce pancreatitis; (2) the factors that turn on pancreatic regeneration and recovery after pancreatic injury; and (3) the mechanisms underlying drug-induced pancreatitis. I was the first to identify a pathological role for pancreatic acinar cell Ca²⁺ release from the intracellular Ca²⁺ channel the ryanodine receptor (RyR). Thereafter, I was able to implicate a novel role for a downstream Ca²⁺-activated phosphatase calcineurin (Cn) in initiating and propagating the inflammatory signals that lead to pancreatitis. I have also deciphered a novel role for the epigenetic regulators the histone deacetylases (HDAC) in mediating pancreatic recovery and regeneration of the pancreas. I have published experience in clinical-translational work through active participation within an international, NIH-funded group of Pediatric Pancreatologists (called INSPPIRE).

CLINICAL TRIALS

- Pediatric Longitudinal Cohort Study of Chronic Pancreatitis, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Gyuwon Jeong, Patil Kavarian, Carolina Trocchia

Publications

PUBLICATIONS

- **The Role of Pancreatitis Risk Genes in Endocrine Insufficiency Development After Acute Pancreatitis in Children.** *Clinical gastroenterology and hepatology : the official clinical practice journal of the American Gastroenterological Association*
Abu-El-Haija, M., Zhang, W., Karns, R., Ginzburg, G., Vitale, D. S., Farrell, P., Nasr, A., Ibrahim, S., Bellin, M. D., Thompson, T., Garlapally, V., Woo, J. G., Husain, et al
2024
- **Exploiting open source omics data to advance pancreas research.** *Journal of pancreatology*
Swaminathan, G., Saito, T., Husain, S. Z.
2024; 7 (1): 21-27
- **Rectal administration of tacrolimus protects against post-ERCP pancreatitis in mice.** *Pancreatology : official journal of the International Association of Pancreatology (IAP) ... [et al.]*
Lin, Y. C., Ni, J., Swaminathan, G., Khalid, A., Barakat, M. T., Frymoyer, A. R., Tsai, C. Y., Ding, Y., Murayi, J. A., Jayaraman, T., Poropatich, R., Bottino, R., Wen, et al
2023
- **PEDIATRIC DRUG-ASSOCIATED PANCREATITIS REVEALS CONCOMITANT RISK FACTORS AND POOR RELIABILITY OF CAUSALITY SCORING: REPORT FROM INSPPIRE.** *Journal of pediatric gastroenterology and nutrition*
Morinville, V. D., Husain, S. Z., Wang, F., Cress, G. A., Abu-El-Haija, M., Chugh, A., Downs, E., Ellery, K., Fishman, D. S., Freeman, A. J., Garipey, C. E., Giefer, M., Gonska, et al
2023
- **Distinct serum immune profiles define the spectrum of acute and chronic pancreatitis from the multi-center PROCEED study.** *Gastroenterology*
Lee, B., Jones, E. K., Manohar, M., Li, L., Yadav, D., Conwell, D. L., Hart, P. A., Vege, S. S., Fogel, E. L., Serrano, J., Andersen, D., Bellin, M. D., Topazian, et al
2023
- **Preclinical safety evaluation of calcineurin inhibitors delivered through an intraductal route to prevent post-ERCP pancreatitis demonstrates endocrine and systemic safety.** *Pancreatology : official journal of the International Association of Pancreatology (IAP) ... [et al.]*
Ni, J., Khalid, A., Lin, Y. C., Barakat, M. T., Wang, J., Tsai, C. Y., Azar, P. R., Ding, Y., Murayi, J. A., Jayaraman, T., Poropatich, R., Bottino, R., Wen, et al
2023
- **A systems approach points to a therapeutic role for retinoids in asparaginase-associated pancreatitis.** *Science translational medicine*
Tsai, C. Y., Saito, T., Sarangdhar, M., Abu-El-Haija, M., Wen, L., Lee, B., Yu, M., Lipata, D. A., Manohar, M., Barakat, M. T., Contrepois, K., Tran, T. H., Theoret, et al
2023; 15 (687): eabn2110
- **Genetically Engineered Mouse Models Shine New Light on Decades-old Story of Trypsin in Pancreatitis.** *Gastroenterology*
Lee, B., Husain, S. Z., Gukovsky, I.
2023
- **Safety and efficacy of minor papillotomy in children and adolescents with pancreas divisum.** *Pancreatology : official journal of the International Association of Pancreatology (IAP) ... [et al.]*
Barakat, M. T., Husain, S. Z., Gugig, R.
2022
- **Clinical insights into drug-associated pancreatic injury.** *Current opinion in gastroenterology*
Barakat, M. T., Abu-El-Haija, M., Husain, S. Z.
2022; 38 (5): 482-486
- **Rectal INdomethacin, oral TacROLimus, or their combination for the prevention of post-ERCP pancreatitis (INTRO Trial): Protocol for a randomized, controlled, double-blinded trial.** *Pancreatology : official journal of the International Association of Pancreatology (IAP) ... [et al.]*
Akshintala, V. S., Husain, S. Z., Brenner, T. A., Singh, A., Singh, V. K., Khashab, M. A., Sperna Weiland, C. J., van Geenen, E. J., Bush, N., Barakat, M., Srivastava, A., Kochhar, R., Talukdar, et al
2022
- **AXL and MERTK receptor tyrosine kinases inhibition protects against pancreatic necrosis via selectively limiting CXCL2-related neutrophil infiltration.** *Biochimica et biophysica acta. Molecular basis of disease*

- Bao, J., Zhang, X., Li, B., Niu, M., Wu, Z., Song, P., Guo, X., Husain, S. Z., Hu, G., Li, L., Wen, L.
2022; 166490
- **A review of the rationale for the testing of the calcineurin inhibitor tacrolimus for post-ERCP pancreatitis prevention.** *Pancreatology : official journal of the International Association of Pancreatology (IAP) ... [et al.]*
Barakat, M. T., Khalid, A., Yu, M., Ding, Y., Murayi, J., Jayaraman, T., Poropatich, R., Akshintala, V., Juakiem, W., Wen, L., Papachristou, G. I., Husain, S. Z.
2022
 - **Vitamin A and association with asparaginase-associated pancreatitis in children with acute lymphocytic leukemia.**
Tsai, C., Saito, T., Sarangdhar, M., Abu-El-Haija, M., Wen, L., Lee, B., Manohar, M., Barakat, M. T., Contrepois, K., Bo, N., Ding, Y., Stevenson, K. E., Ladas, et al
LIPPINCOTT WILLIAMS & WILKINS.2022
 - **The Role of Surgical Management in Chronic Pancreatitis in Children: A Position Paper from the NASPGHAN Pancreas Committee.** *Journal of pediatric gastroenterology and nutrition*
Nathan, J. D., Ellery, K., Balakrishnan, K., Bhatt, H., Ganoza, A., Husain, S. Z., Kumar, R., Morinville, V. D., Quiros, J. A., Schwarzenberg, S. J., Sellers, Z. M., Uc, A., Abu-El-Haija, et al
2022
 - **Multidisciplinary Approach to the Care of Children With Acute Recurrent Pancreatitis and Chronic Pancreatitis.** *Pancreas*
Dike, C. R., Sellers, Z. M., Husain, S. Z., Forsmark, C. E., Abu-El-Haija, M.
2022; 51 (3): 256-260
 - **Single-cell sequencing unveils distinct immune microenvironments with CCR6-CCL20 crosstalk in human chronic pancreatitis.** *Gut*
Lee, B., Namkoong, H., Yang, Y., Huang, H., Heller, D., Szot, G. L., Davis, M. M., Husain, S. Z., Pandol, S. J., Bellin, M. D., Habtezion, A.
2021
 - **Endogenous insulin directly protects pancreatic acinar cells in pancreatitis.** *Cell calcium*
Wen, L., Husain, S. Z.
2021; 100: 102485
 - **Novel circulating and tissue monocytes as well as macrophages in pancreatitis and recovery.** *Gastroenterology*
Manohar, M., Jones, E. K., Rubin, S. J., Subrahmanyam, P. B., Swaminathan, G., Mikhail, D., Bai, L., Singh, G., Wei, Y., Sharma, V., Siebert, J. C., Maecker, H. T., Husain, et al
2021
 - **Novel Circulating and Tissue Monocytes As Well As Macrophages in Pancreatitis and Recovery**
Manohar, M., Jones, E. K., Rubin, S. S., Subrahmanyam, P. B., Mikhail, D., Bai, L., Singh, G., Wei, Y., Sharma, V., Swaminathan, G., Siebert, J. C., Maecker, H. T., Park, et al
LIPPINCOTT WILLIAMS & WILKINS.2021: 1079-1080
 - **Impact of acute lymphoblastic leukemia induction therapy: findings from metabolomics on non-fasted plasma samples from a biorepository.** *Metabolomics : Official journal of the Metabolomic Society*
Saito, T., Wei, Y., Wen, L., Srinivasan, C., Wolthers, B. O., Tsai, C., Harris, M. H., Stevenson, K., Byersdorfer, C., Oparaji, J., Fernandez, C., Mukherjee, A., Abu-El-Haija, et al
2021; 17 (7): 64
 - **Inhibition of nicotinamide phosphoribosyltransferase protects against acute pancreatitis via modulating macrophage polarization and its related metabolites.** *Pancreatology : official journal of the International Association of Pancreatology (IAP) ... [et al.]*
He, Y., Dai, J., Niu, M., Li, B., Chen, C., Jiang, M., Wu, Z., Bao, J., Zhang, X., Li, L., Husain, S. Z., Hu, G., Wen, et al
2021
 - **Medical Management of Chronic Pancreatitis in Children: A Position Paper by the NASPGHAN Pancreas Committee.** *Journal of pediatric gastroenterology and nutrition*
Freeman, A. J., Maqbool, A., Bellin, M. D., Goldschneider, K. R., Grover, A. S., Hartzell, C., Piester, T. L., Szabo, F., Kiernan, B. D., Khalaf, R., Kumar, R., Rios, M., Husain, et al
2020
 - **Noninvasive imaging of pediatric pancreatitis: joint recommendations from the North American Society for Pediatric Gastroenterology, Hepatology and Nutrition and the Society for Pediatric Radiology.** *Pediatric radiology*
Trout, A. T., Anupindi, S. A., Husain, S. Z., Morinville, V. D., Abu-El-Haija, M.

2020

- **Drug induced pancreatitis is the leading known cause of first attack acute pancreatitis in children.** *Pancreatology : official journal of the International Association of Pancreatology (IAP) ... [et al.]*
Abu-El-Haija, M., Hornung, L., Lin, T. K., Nathan, J. D., Thompson, T., Vitale, D. S., Nasr, A., Husain, S. Z., Denson, L.
2020
- **Patient Passport for Pediatric Acute Recurrent and Chronic Pancreatitis** *JOURNAL OF PEDIATRIC GASTROENTEROLOGY AND NUTRITION*
Sellers, Z. M., Piester, T., Mark, J., Khalaf, R., Abu-El-Haija, M., Husain, S. Z.
2020; 71 (1): E51–E53
- **THE MAJORITY OF CHILDREN AND ADOLESCENTS WITH PANCREAS DIVISUM AND ACUTE RECURRENT PANCREATITIS EXPERIENCE CLINICAL IMPROVEMENT AFTER ERCP WITH MINOR PAPILOTOMY**
Barakat, M., Husain, S. Z., Gugig, R.
MOSBY-ELSEVIER.2020: AB500
- **Patient Passport for Pediatric Acute Recurrent and Chronic Pancreatitis.** *Journal of pediatric gastroenterology and nutrition*
Sellers, Z. M., Piester, T., Mark, J., Khalaf, R., Abu-El-Haija, M., Husain, S. Z.
2020
- **The Roles of Endoscopic Ultrasound and Endoscopic Retrograde Cholangiopancreatography in the Evaluation and Treatment of Chronic Pancreatitis in Children: A Position Paper From the North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition Pancreas Committee.** *Journal of pediatric gastroenterology and nutrition*
Liu, Q. Y., Gugig, R., Troendle, D. M., Bitton, S., Patel, N., Vitale, D. S., Abu-El-Haija, M., Husain, S. Z., Morinville, V. D.
2020; 70 (5): 681-693
- **Pediatric chronic pancreatitis without prior acute or acute recurrent pancreatitis: A report from the INSPPIRE consortium.** *Pancreatology : official journal of the International Association of Pancreatology (IAP) ... [et al.]*
Abu-El-Haija, M., Lowe, M., Barth, B., Bellin, M. D., Freedman, S., Garipey, C., Giefer, M. J., Gonska, T., Heyman, M. B., Himes, R., Husain, S., Lin, T. K., Liu, et al
2020
- **The Roles of EUS and ERCP in the Evaluation and Treatment of Chronic Pancreatitis in Children: A Position Paper from the NASPGHAN Pancreas Committee.** *Journal of pediatric gastroenterology and nutrition*
Liu, Q. Y., Gugig, R., Troendle, D. M., Bitton, S., Patel, N., Vitale, D. S., Abu-El-Haija, M., Husain, S. Z., Morinville, V. D.
2020
- **Clinical and Practice Variations in Pediatric Acute Recurrent or Chronic Pancreatitis: Report From The Inspire Study.** *Journal of pediatric gastroenterology and nutrition*
Dike, C. R., Zimmerman, B., Zheng, Y., Wilschanski, M., Werlin, S. L., Troendle, D., Shah, U., Schwarzenberg, S. J., Pohl, J., Perito, E. R., Ooi, C. Y., Nathan, J. D., Morinville, et al
2020
- **Pancreatitis is an FGF21-deficient state that is corrected by replacement therapy.** *Science translational medicine*
Hernandez, G., Luo, T., Javed, T. A., Wen, L., Kalwat, M. A., Vale, K., Ammouri, F., Husain, S. Z., Kliewer, S. A., Mangelsdorf, D. J.
2020; 12 (525)
- **Naspgan and the Society for Pediatric Radiology Joint Position Paper on Non-Invasive Imaging of Pediatric Pancreatitis: Literature Summary and Recommendations.** *Journal of pediatric gastroenterology and nutrition*
Trout, A. T., Anupindi, S. A., Freeman, A. J., Macias-Flores, J. A., Martinez, J. A., Parashette, K. R., Shah, U. n., Squires, J. H., Morinville, V. D., Husain, S. Z., Abu-El-Haija, M. n.
2020
- **Protective Effects of Calcineurin on Pancreatitis in Mice Depend on Cellular Source.** *Gastroenterology*
Wen, L. n., Javed, T. A., Dobbs, A. K., Brown, R. n., Niu, M. n., Li, L. n., Khalid, A. n., Barakat, M. n., Xiao, X. n., Yimlamai, D. n., Konnikova, L. n., Yu, M. n., Byersdorfer, et al
2020
- **The role of asparagine synthetase on nutrient metabolism in pancreatic disease.** *Pancreatology : official journal of the International Association of Pancreatology (IAP) ... [et al.]*
Tsai, C. Y., Kilberg, M. S., Husain, S. Z.
2020

- **Endoscopic Pancreatic Function Testing (ePFT) in Children: A Position Paper From the Naspghan Pancreas Committee.** *Journal of pediatric gastroenterology and nutrition*
Patel, N. n., Sellers, Z. M., Grover, A. n., Liu, Q. Y., Maqbool, A. n., Morinville, V. D., Abu-El-Haija, M. n., Husain, S. Z.
2020
- **Web-based cognitive-behavioral intervention for pain in pediatric acute recurrent and chronic pancreatitis: Protocol of a multicenter randomized controlled trial from the study of chronic pancreatitis, diabetes and pancreatic cancer (CPDPC).** *Contemporary clinical trials*
Palermo, T. M., Murray, C., Aalfs, H., Abu-El-Haija, M., Barth, B., Bellin, M. D., Ellery, K., Fishman, D. S., Garipey, C. E., Giefer, M. J., Goday, P., Gonska, T., Heyman, et al
2019: 105898
- **Asparagine synthetase is highly expressed at baseline in the pancreas through heightened PERK signaling.** *Cellular and molecular gastroenterology and hepatology*
Mukherjee, A., Ahmed, N., Rose, F., Ahmad, A. N., Javed, T. A., Wen, L., Bottino, R., Xiao, X., Kilberg, M. S., Husain, S. Z.
2019
- **Animal Models: Challenges and Opportunities to Determine Optimal Experimental Models of Pancreatitis and Pancreatic Cancer.** *Pancreas*
Saloman, J. L., Albers, K. M., Cruz-Monserrate, Z., Davis, B. M., Edderkaoui, M., Eibl, G., Epouhe, A. Y., Gedeon, J. Y., Gorelick, F. S., Grippo, P. J., Groblewski, G. E., Husain, S. Z., Lai, et al
2019; 48 (6): 759–79
- **Risk Factors for Rapid Progression From Acute Recurrent to Chronic Pancreatitis in Children: Report From INSPPIRE.** *Journal of pediatric gastroenterology and nutrition*
Liu, Q. Y., Abu-El-Haija, M., Husain, S. Z., Barth, B., Bellin, M., Fishman, D. S., Freedman, S. D., Garipey, C. E., Giefer, M. J., Gonska, T., Heyman, M. B., Himes, R., Lin, et al
2019
- **The Orai Ca²⁺ channel inhibitor CM4620 targets both parenchymal and immune cells to reduce inflammation in experimental acute pancreatitis.** *The Journal of physiology*
Waldron, R. T., Chen, Y., Pham, H., Go, A., Su, H., Hu, C., Wen, L., Husain, S. Z., Sugar, C. A., Roos, J., Ramos, S., Lugea, A., Dunn, et al
2019
- **Pancreatitis in Children** *GASTROENTEROLOGY*
Uc, A., Husain, S. Z.
2019; 156 (7): 1969–78
- **Chronic Pancreatitis: Pediatric and Adult Cohorts Show Similarities in Disease Progress Despite Different Risk Factors.** *Journal of pediatric gastroenterology and nutrition*
Schwarzenberg, S. J., Uc, A., Zimmerman, B., Wilschanski, M., Wilcox, C. M., Whitcomb, D. C., Werlin, S. L., Troendle, D., Tang, G., Slivka, A., Singh, V. K., Sherman, S., Shah, et al
2019; 68 (4): 566–73
- **Updates in Pediatric Pancreatology: Proceedings of the North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition Frontiers in Pediatric Pancreatology Symposium** *JOURNAL OF PEDIATRIC GASTROENTEROLOGY AND NUTRITION*
Grover, A. S., Freeman, A. J., Abu-El-Haija, M., Eisses, J. F., Gardner, T. B., Liu, Q. Y., Lowe, M. E., Nathan, J. D., Palermo, T. M., Singh, V. K., Trout, A. T., Uc, A., Husain, et al
2019; 68 (2): E27–E33
- **Rapid Progression of Acute Pancreatitis to Acute Recurrent Pancreatitis in Children** *JOURNAL OF PEDIATRIC GASTROENTEROLOGY AND NUTRITION*
Sweeny, K. F., Lin, T. K., Nathan, J. D., Denson, L. A., Husain, S. Z., Hornung, L., Thompson, T., Abu-El-Haija, M.
2019; 68 (1): 104–9
- **Diabetes Mellitus in Children with Acute Recurrent and Chronic Pancreatitis: Data from the INSPPIRE Cohort.** *Journal of pediatric gastroenterology and nutrition*
Bellin, M. D., Lowe, M. n., Zimmerman, M. B., Wilschanski, M. n., Werlin, S. n., Troendle, D. M., Shah, U. n., Schwarzenberg, S. J., Pohl, J. F., Perito, E. n., Ooi, C. Y., Nathan, J. D., Morinville, et al
2019
- **Factors Associated With Frequent Opioid Use in Children With Acute Recurrent and Chronic Pancreatitis.** *Journal of pediatric gastroenterology and nutrition*
Perito, E. R., Palermo, T. M., Pohl, J. F., Mascarenhas, M. n., Abu-El-Haija, M. n., Barth, B. n., Bellin, M. D., Fishman, D. S., Freedman, S. n., Garipey, C. n., Giefer, M. n., Gonska, T. n., Heyman, et al

2019

- **Diabetes Mellitus in Children with Acute Recurrent and Chronic Pancreatitis: Data From the International Study Group of Pediatric Pancreatitis: In Search for a CuRE Cohort.** *Journal of pediatric gastroenterology and nutrition*
Bellin, M. D., Lowe, M. n., Zimmerman, M. B., Wilschanski, M. n., Werlin, S. n., Troendle, D. M., Shah, U. n., Schwarzenberg, S. J., Pohl, J. F., Perito, E. n., Ooi, C. Y., Nathan, J. D., Morinville, et al
2019; 69 (5): 599–606
- **Accelerating the Drug Delivery Pipeline for Acute and Chronic Pancreatitis: Summary of the Working Group on Drug Development and Trials in Chronic Pancreatitis at the National Institute of Diabetes and Digestive and Kidney Diseases Workshop** *PANCREAS*
Forsmark, C. E., Andersen, D. K., Farrar, J. T., Golden, M., Habtezion, A., Husain, S. Z., Li, L., Mayerle, J., Pandol, S. J., Uc, A., Zhu, Z., Yadav, D.
2018; 47 (10): 1200–1207
- **International Study Group of Pediatric Pancreatitis: In Search for a CuRE Cohort Study: Design and Rationale for INSPPIRE 2 From the Consortium for the Study of Chronic Pancreatitis, Diabetes, and Pancreatic Cancer** *PANCREAS*
Uc, A., Perito, E. R., Pohl, J. F., Shah, U., Abu-El-Hajja, M., Barth, B., Bellin, M. D., Ellery, K. M., Fishman, D. S., Garipey, C. E., Giefer, M. J., Gonska, T., Heyman, et al
2018; 47 (10): 1222–28
- **Transient High Pressure in Pancreatic Ducts Promotes Inflammation and Alters Tight Junctions via Calcineurin Signaling in Mice** *GASTROENTEROLOGY*
Wen, L., Javed, T. A., Yimlamai, D., Mukherjee, A., Xiao, X., Husain, S. Z.
2018; 155 (4): 1250–+
- **Impact of Obesity on Pediatric Acute Recurrent and Chronic Pancreatitis** *PANCREAS*
Uc, A., Zimmerman, M., Wilschanski, M., Werlin, S. L., Troendle, D., Shah, U., Schwarzenberg, S., Rhee, S., Pohl, J. F., Perito, E. R., Palermo, J. J., Ooi, C. Y., Liu, et al
2018; 47 (8): 967–73
- **Recommendations for Diagnosis and Management of Autoimmune Pancreatitis in Childhood: Consensus From INSPPIRE** *JOURNAL OF PEDIATRIC GASTROENTEROLOGY AND NUTRITION*
Scheers, I., Palermo, J. J., Freedman, S., Wilschanski, M., Shah, U., Abu-El-Hajja, M., Barth, B., Fishman, D. S., Garipey, C., Giefer, M. J., Heyman, M. B., Himes, R. W., Husain, et al
2018; 67 (2): 232–36
- **New Management Guidelines for Both Children and Adults With Acute Pancreatitis** *GASTROENTEROLOGY*
Sellers, Z. M., Abu-El-Hajja, M., Husain, S. Z., Morinville, V.
2018; 155 (1): 234–35
- **Pancreas Divisum in Pediatric Acute Recurrent and Chronic Pancreatitis: Report From INSPPIRE.** *Journal of clinical gastroenterology*
Lin, T. K., Abu-El-Hajja, M., Nathan, J. D., Palermo, J. P., Barth, B., Bellin, M., Fishman, D. S., Freedman, S. D., Garipey, C. E., Giefer, M. J., Gonska, T., Heyman, M. B., Himes, et al
2018
- **Plasma Exchange in Hypertriglyceridemic Pancreatitis in Children** *JOURNAL OF PEDIATRIC GASTROENTEROLOGY AND NUTRITION*
Abu-El-Hajja, M., Kumar, S., Quiros, J., Husain, S., Morinville, V.
2018; 66 (6): E163
- **EPC/HPSG evidence-based guidelines for the management of pediatric pancreatitis** *PANCREATOLOGY*
Parniczky, A., Abu-El-Hajja, M., Husain, S., Lowe, M., Oracz, G., Sahin-Toth, M., Szabo, F. K., Uc, A., Wilschanski, M., Witt, H., Czako, L., Grammatikopoulos, T., Rasmussen, et al
2018; 18 (2): 146–60
- **Mitochondrial Dysfunction, Through Impaired Autophagy, Leads to Endoplasmic Reticulum Stress, Deregulated Lipid Metabolism, and Pancreatitis in Animal Models** *GASTROENTEROLOGY*
Biczo, G., Vegh, E. T., Shalbueva, N., Mareninova, O. A., Elperin, J., Lotshaw, E., Gretler, S., Lugea, A., Malla, S. R., Dawson, D., Ruchala, P., Whitelegge, J., French, et al
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