



John Kerner

Professor of Pediatrics (Gastroenterology), Emeritus
Pediatrics - Gastroenterology

Bio

ACADEMIC APPOINTMENTS

- Professor Emeritus-Hourly, Pediatrics - Gastroenterology
- Member, Maternal & Child Health Research Institute (MCHRI)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I am interested in pediatric nutritional support and have experience evaluating new enteral and parenteral products especially for the neonate (I studied a "new" I.V. fat product for Abbott; I participated in a multicenter trial of a formula with fish oil in it for neonates with Mead Johnson and a multicenter trial of a new human milk fortifier for Wyeth). I am the medical director of our nutrition support team and home pharmacy and am interested in short- and long-term "outcome studies" re: use of TPN-impact on development of patient and family functioning in short bowel patients on long-term parenteral/enteral support.

More recently my research has involved : studying how to limit amounts of Aluminum in TPN solutions;Use of ethanol locks in preventing CLABSIs;Use of novel fat emulsions in IR patients; developing a "Care Card"for home TPN patients to improve the healthcare of pts. with central lines who present to the ED with fever;treatment of central line occlusion (original studies of Alteplase); risk factors of CLABSIs in pediatric short bowel syndrome: Liver biopsies in the first year of life in IR patients on TPN

Publications

PUBLICATIONS

- **AI Guided Parenteral Nutrition Therapy After Hematopoietic Stem Cell Transplantation.** *NPJ digital medicine*
El Ariss, A. B., Phongpreecha, T., Ghanem, M., Kimari, M., James, T., Freche, E., Kerner, J. A., Gaudillière, B., Angst, M. S., Gaskari, S., Stevenson, D. K., Smith, M., Aghaeepour, et al
2026
- **Food and Drug Administration Expert Panel on Infant Formula "Operation Stork Speed" June 2025: Part 2, Regulatory and Safety Considerations.** *Advances in nutrition (Bethesda, Md.)*
Abrams, S. A., Brenna, J. T., Clemens, R., Cohran, V. C., Du, N., Gilbaugh, A., Goran, M. I., Guild, A., Kerner, J. A., Knudsen, T. B., Krishna, S., Sentongo, T.
2026: 100584
- **Food and Drug Administration Expert Panel on Infant Formula "Operation Stork Speed" June 2025: Part 1, Nutrient Considerations.** *Advances in nutrition (Bethesda, Md.)*

- Abrams, S. A., Brenna, J. T., Clemens, R., Cohran, V. C., Du, N., Gilbaugh, A., Goran, M. I., Guild, A., Kerner, J. A., Knudsen, T. B., Krishna, S., Sentongo, T.
2026: 100583
- **Food and Drug Administration Expert Panel on Infant Formula "Operation Stork Speed" June 2025: Part 3, Marketing of Infant Formulas, Breastfeeding Support, Hypoallergenic Formulas, and Nutrition for Preterm Infants.** *Advances in nutrition (Bethesda, Md.)*
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 - **Maternal lipidomic signatures of preterm and small-for-gestational-age newborn infants in low- and middle-income countries.** *Science advances*
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2025; 11 (49): eadu9145
 - **Author Correction: AI-guided precision parenteral nutrition for neonatal intensive care units.** *Nature medicine*
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2025
 - **AI-guided precision parenteral nutrition for neonatal intensive care units.** *Nature medicine*
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2025
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Smith, A., Namjoshi, S., Kerner, J. A., Dunn, J. C.
2023
 - **Getting the OK to Import Zero K MVI: Maintaining TTR in an Infant with SBS.** *Digestive diseases and sciences*
Huang, A., Lee, K., Chan, M., Mak, K., Nishioka, F., Gilbaugh, A., Laguit, K., Nespor, C., Almond, C., Kerner, J.
2020
 - **Risk Factors of Ambulatory Central Line-Associated Bloodstream Infection in Pediatric Short Bowel Syndrome.** *JPEN. Journal of parenteral and enteral nutrition*
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2019
 - **Delayed appearance of mature ganglia in an infant with an atypical presentation of total colonic and small bowel aganglionosis: a case report.** *BMC pediatrics*
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 - **Procalcitonin as a Predictive Marker for Bacteremia in Children With a Central Line and Fever.** *Hospital pediatrics*
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2019; 64 (1): 56–59
 - **Nutritional Needs and Support for Children with Chronic Liver Disease.** *Nutrients*
Yang, C. H., Perumpail, B. J., Yoo, E. R., Ahmed, A., Kerner, J. A.
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 - **Feeling the Impact of Long-Term Total Parenteral Nutrition.** *Digestive diseases and sciences*
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2017

- **Management of short bowel syndrome in postoperative very low birth weight infants** *SEMINARS IN FETAL & NEONATAL MEDICINE*
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- **Severe Lactic Acidosis in a Parenteral Nutrition-Dependent Teenager with Ulcerative Colitis.** *Digestive diseases and sciences*
Barnes, D., Kerner, J.
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- **Intractable Diarrhea in Two Brothers: Late Diagnosis of Tufting Enteropathy in Adolescence.** *Digestive diseases and sciences*
Haas, K., Martin, B., Martín, M., Kerner, J.
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- **ACTG2 variants impair actin polymerization in sporadic Megacystis Microcolon Intestinal Hypoperistalsis Syndrome** *HUMAN MOLECULAR GENETICS*
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- **Evaluation of Intestinal Biopsies for Pediatric Enteropathy A Proposed Immunohistochemical Panel Approach** *AMERICAN JOURNAL OF SURGICAL PATHOLOGY*
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 - **Chylous Ascites After Laparoscopic Nissen Fundoplication** *DIGESTIVE DISEASES AND SCIENCES*
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