

## Curriculum Vitae

	<b>Name</b> (First Name / Middle Name / Last Name)	<b>Jung Ok Shim</b>
	<b>Title</b> (Prof. Dr., etc.)	Professor
	<b>Affiliation</b>	<b>Seoul National University</b>
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**Educational Background**

Seoul National University College of Medicine,  
Seoul National University College of Medicine, Master's Degree  
Seoul National University College of Medicine, Doctoral Degree

**Professional Career**

Professor, Division of Gastroenterology, Hepatology, and Nutrition, Department of Pediatrics, Seoul National University

Chief, Division of Gastroenterology, Hepatology, and Nutrition, Department of Pediatrics, Korea University College of Medicine, Professor

Division of Gastroenterology, Hepatology, and Nutrition, Department of Pediatrics, Seoul National University Hospital, Fellowship, Clinical Instructor  
Department of Pediatrics, Seoul National University Hospital, Intern and Resident

Chair of IBD subcommittee, the Asian-Pacific Society for Pediatric Gastroenterology, Hepatology, and Nutrition  
Former Director of Scientific committee, The Korean Society for Pediatric Gastroenterology, Hepatology, and Nutrition  
Former Director of Social Events, The 11th Asian-PanPacific Society for Pediatric Gastroenterology, Hepatology, and Nutrition Organizing committee  
Former Vice-Secretary General, The Korean Pediatric Society  
Korea Disease Control and Prevention Agency, Professional Advisory Committee  
Associate Editor, Frontiers in Pediatrics  
Editorial member, Intestinal Research  
Editorial member, Korean Journal of Gastroenterology

**Research Field**

I have focused my research on inflammatory bowel disease (IBD) and microbiomes. I led the establishment of a

nationwide IBD cohort in Korea, encompassing 20 university hospitals and covering 70% of all IBD cases. My doctoral dissertation focused on IL-10RA monogenic mutations in pediatric IBD. Additionally, I have conducted national epidemiological studies on pediatric diseases, analyzing the incidence and long term outcomes of pediatric IBD in comparison to adult, using national big data. My microbiome research spans various conditions, including healthy children, irritable bowel syndrome, preterm infants, epilepsy, and IBD. Recently, I have been working on establishing the Crohn's disease exclusion diet in Korea.

### Main Scientific Publications

**Google scholar:** <https://scholar.google.co.kr/citations?hl=ko&user=WSgPEQQAAAAJ>

**Shim JO,** Gut Microbiota-Based Ensemble Model Predicts Prognosis Of Pediatric Inflammatory Bowel Disease, iScience 2024

**Shim JO** Characteristics of Pediatric Ulcerative Colitis at Diagnosis in Korea: Results From a Multicenter, Registry-Based, Inception Cohort Study, JKMS 2024

**Shim JO** Comparison of endoscopic healing and durability between infliximab originator and CT-P13 in pediatric patients with inflammatory bowel disease, Front Immun 2024

**Shim JO,** Gut Bacterial Dysbiosis in Irritable Bowel Syndrome: a Case-Control Study and a Cross-Cohort Analysis Using Publicly Available Data Sets, Microbiol Spectr. 2023

**Shim JO,** Treatment patterns of anti-tumour necrosis factor-alpha and prognosis of paediatric and adult-onset inflammatory bowel disease in Korea: a nationwide population-based study. Aliment Pharmacol Ther. 2022

**Shim JO,** Editorial: trends in the epidemiology of inflammatory bowel disease in Korea - author's reply. Aliment Pharmacol Ther. 2022

**Shim JO,** The Korea Infant Physical Growth Examination Survey (KIPGroS): a study protocol. CEP, 2025

**Shim JO,** First detection and characterization of hepatitis E virus (Rocahepevirus ratti) from urban Norway rats (*Rattus norvegicus*) in the Republic of Korea. J Med Virology 2024

**Shim JO,** Novel human coronavirus in an infant patient with pneumonia, Republic of Korea. Emerg Micro Infect 2025

**Shim JO,** Development and validation of a Machine learning-Based prediction model for detection of biliary atresia. Gastro Hep Advances, 2023

**Shim JO.** Gut microbiota affects brain development and behavior. Clin Exp Pediatr 2022

**Shim JO,** Saccharomyces boulardii and Lactulose for Childhood Functional Constipation: A Multicenter Randomized Controlled Trial. JNM 2022

**Shim JO,** Impact of Social Distancing on Intussusception Incidence in Children. JKMS 2022

**Shim JO,** Human milk oligosaccharides as immunonutrition key in early life. Clin Exp Pediatr 2022

**Shim JO,** Gut Bacterial Dysbiosis in Children with Intractable Epilepsy. JCM 2020

**Shim JO,** Recent Advance in Very Early Onset Inflammatory Bowel Disease. PGHN 2019

**Shim JO,** Can We Estimate Quality of Life in Pediatric Inflammatory Bowel Disease Patients? An Asian Multicenter Study. J Pediatr Gastroenterol Nutr. 2019 Jan;68(1):45-49.

**Shim JO,** The Long-Term Effect of Early Anti-Tumor Necrosis Factor on Restoration of Growth in Pediatric Crohn's

Disease. Gut Liver 2018

**Shim JO**, Seo JK. Very early-onset inflammatory bowel disease (IBD) in infancy is a different disease entity from adult-onset IBD; one form of interleukin-10 receptor mutations. *J Hum Genet.* 2014 Jun;59(6):337-41.

**Shim JO**, Hwang H, Yang HR, et al. Interleukin 10 receptor mutations in children with neonatal-onset Crohn disease and intractable ulcerating enterocolitis. *Eur J Gastroenterol Hepatol* 2013

**Shim JO**. Gut Microbiota in Inflammatory Bowel Disease. *Pediatr Gastroenterol Hepatol Nutr.* 2013;16:17-21.

**Shim JO**. Percutaneous Endoscopic Gastrostomy and Nutritional Interventions by the Pediatric Nutritional Support Team Improve the Nutritional Status of Neurologically Impaired Children. *J Clin Med* 2020;14(9):3295

**Shim JO**. Effect of nutritional supplement formula on catch-up growth in young children with nonorganic faltering growth: a prospective multicenter study. *Nutr Res Pract* 2020

**Shim JO**, Clinical characteristics of neonatal cholestasis in a tertiary hospital and the development of a novel prediction model for mortality. *EBioMedicine* 2022

**Shim JO**. Clinical Practice Guideline for the Diagnosis and Treatment of Pediatric Obesity: Recommendations from the Committee on Pediatric Obesity of the Korean Society of Pediatric Gastroenterology Hepatology and Nutrition. *PGHN* 2019.

**Shim JO**, A Novel VPS33B Variant Identified by Exome Sequencing in a Patient with Arthrogryposis-Renal Dysfunction-Cholestasis Syndrome. *PGHN* 2019

**Shim JO**. Multiplex Ligation-dependent Probe Amplification Analysis Subsequent to Direct DNA Full Sequencing for Identifying ATP7B Mutations and Phenotype Correlations in Children with Wilson Disease. . *JKMS.* 2018

**Shim JO**. Ten-year Nationwide Population-based Survey on the Characteristics of Children with Henoch-Schönlein Purpura in Korea. *JKMS.* 2018

**Shim JO**, The 2017 Korean National Growth Charts for children and adolescents: development, improvement, and prospects. *Korean J Pediatr.* 2018;61(5):135-149.

**Shim JO**, Chang JY, Kim A, Shin S. Different Age Distribution between Campylobacteriosis and Nontyphoidal Salmonellosis in Hospitalized Korean Children with Acute Inflammatory Diarrhea. *JKMS.* 2017

**Shim JO**, Chang JY, Shin S, Moon JS, Ko JS. Changing distribution of age, clinical severity, and genotypes of rotavirus gastroenteritis in hospitalized children after the introduction of vaccination: a single center study in Seoul between 2011 and 2014. *BMC Inf Dis* 2016

**Shim JO**. Biological Therapy for Inflammatory Bowel Disease in Children. *Pediatr Gastroenterol Hepatol Nutr.* 2012;15:13-18.

**Shim JO**. Clostridium difficile in Children: To Treat or Not to Treat? *Pediatr Gastroenterol Hepatol Nutr.* 2014;17:80-4

**Shim JO**, Thai Than V, Ryoo E, Lim I, Yoon Y, Kim K, Chung SI, Kim W. Distribution of rotavirus G and P genotypes approximately two years following the introduction of rotavirus vaccines in South Korea. *Journal of Medical Virology* 2013;85:1307-1312.

**Shim JO**, Son DW, Shim SY, Ryoo E, Kim W, Jung YC. Clinical characteristics and genotypes of rotaviruses in a neonatal intensive care unit. *Pediatr Neonatol.* 2012;53:18-23.

**Shim JO**, Baek IH, Le VP, Ko EM, Seok WS, Uh Y, Kim JK, Ahn SY, Lee HS, Ryoo E, Shim SY, Song W, Lim I, Kim W. Molecular characterization of rotavirus diarrhea among children in South Korea: detection of an unusual G11 strain. *Arch Virol.* 2011;156(5):887-92.

**Shim JO**. Differential diagnosis of acute diarrheal disorders in children. *J Korean Med Assoc.* 2012;55:516-524.

**Shim JO**. Foreign body ingestion in children: should button batteries in the stomach be urgently removed? *PGHN* 2016