

## Curriculum Vitae

**Jin Soo Moon, M.D., Ph.D.**

Current position:

Associate Professor of Department of Pediatrics, Seoul National University College of Medicine,  
Seoul National University Children's Hospital, Seoul, Korea

### **Membership**

1995- Korean Medical Association

1997- Korean Pediatric Society

2001- Korean Society of Pediatric Gastroenterology and Nutrition (KSPGHAN)

2002- Korean Society of Gastrointestinal Endoscopy

2002- Korean Association for the Study of the Liver

2001- Korean Society of Gastrointestinal Motility

2007- The Korean Nutrition Society

2013- Korean Association for the Study of Intestinal Diseases

2018- Asian Panpacific Society of Pediatric Gastroenterology, Hepatology, and Nutrition  
(APPSPGHAN)

2020- European Society of Pediatric Gastroenterology, Hepatology, and Nutrition (ESPGHAN)

### **Education**

1995 : M.D. degree, Seoul National University College of Medicine, Seoul, Korea

2000 : Master degree, Seoul National University Postgraduate School, Seoul, Korea

2007 : Doctoral degree, Seoul National University Postgraduate School, Seoul, Korea

**Theme of Doctoral Dissertation** in Seoul National University

"JAG1 Mutation Analysis and the Whole Genomic Screening using Microarray-based Comparative Genomic Hybridization in Korean Children with Alagille Syndrome", Feb. 2007

Mentor: Pf. Jeong Kee Seo, M.D.

## **Postgraduate Training**

Mar. 1996 - Feb. 1997 :

Rotating Internship

Seoul National University Hospital, Seoul, Korea

Mar. 1997 - Feb. 2001 :

Residency

Department of Pediatrics

Seoul National University Hospital, Seoul, Korea

Mar. 2001 – Feb. 2002 :

Clinical Fellow

Department of Pediatrics

Seoul National University Hospital, Seoul, Korea

Aug. 2011 – Nov. 2011

Visiting researcher

PEACH (Paediatric Epidemiology and Child Health) unit, University of Glasgow, U.K.

Under the supervision of Prof. Charlotte Wright

## **Professional Career**

Mar. 2002 – Feb. 2004 :

Full-time lecturer

Department of Pediatrics

Inje University Ilsan Paik Hospital, Goyang, Korea

Mar. 2004 – Mar. 2010

Assistant Professor

Department of Pediatrics

Inje University Ilsan Paik Hospital, Goyang, Korea

Apr. 2010 – Feb. 2012

Associate Professor

Department of Pediatrics

Inje University Ilsan Paik Hospital, Goyang, Korea

Mar. 2012 – Now

Associate Professor

Department of Pediatrics

Seoul National University Children's Hospital

### **Hospital Duties**

1. Former Chair of Department of Pediatrics, Inje University Ilsan Paik Hospital (Sep. 2010 - Feb. 2012)

2. Former Chair of Institutional Review Board in Inje University Ilsan Paik Hospital (2<sup>nd</sup> session)
3. Former Team Leader of Nutritional Support Team in Inje University Ilsan Paik Hospital
4. Current staff of Nutritional Support Team in Seoul National University Children's Hospital
5. Vice Director, Office of Pediatric Operating and Medical Care, Seoul National University Children's Hospital

**Latest GCP education and accreditation:** 28 April, 2021

### **Academic Activities**

1. Director of Nutrition subcommittee of Asian-Panpacific Society of Pediatric Gastroenterology, Hepatology, and Nutrition (APPSPGHAN)
2. Director of Education and Training committee in the Korean Society of Pediatric Gastroenterology and Nutrition (<http://www.kspghan.or.kr>). (Oct 2019 – Oct 2021)
3. Past Director of Scientific committee in the Korean Society of Pediatric Gastroenterology and Nutrition (<http://www.kspghan.or.kr>). (Oct 2017 – Oct 2019)
4. Current a member of the Committee for Obesity Criteria in Children (Governmental committee)
5. Current the Director of the Committee for School Health and Public Health Statistics, The Korean Pediatric Society
6. Current a member of the Committee for the Development of Growth Standard for Korean Children and Adolescents. (Governmental committee)

### Clinical Trials

Dates	Title	Indication	Phase	IP

2021-01-15 - ongoing	Regulatory Post-Marketing Surveillance Study (Usage Results Study) of Vedolizumab for the Approved Indications in South Korea	IBD (> 18 years)	4	Vedolizumab
2020-12-04 - ongoing	An Open Label Addendum to the AMAM adult study to Assess Efficacy and Safety of Mirikizumab in the Induction and Maintenance of Remission in Adolescents (15 to <18 years of age) with Moderately to Severely Active Crohn's Disease (CD)	Crohn (15-18 years)	3	Mirikizumab
2020-09-17 - ongoing	Post-Marketing Surveillance for Crohn's Disease or Ulcerative Colitis patients treated with STELARA	IBD (> 18 years)	4	ustakinumab
2020-06-15 - ongoing	A Multicenter, Open-Label PK Study of Mirikizumab in Pediatric Patients with Moderately to Severely Active Ulcerative Colitis	Ulcerative colitis (<18 years)	2	Mirikizumab
2018-11-07 - ongoing	중등증에서 중증의 활성 궤양성 대장염이 있는 소아 참가자에서 피하 투여된 인간 항-TNF $\alpha$ 단클론성 항체인 Golimumab 치료의 유효성, 안전성 및 약동학을 평가하기 위한 제 3 상, 무작위 배정, 라벨-공개 임상시험	Ulcerative colitis (<18 years)	3	Golimumab

## Publications (recent 5 years, up to 2021)

1. Sohn MJ, Chae W, Ko JS, Cho JY, Kim JE, Choi JY, Jang HB, Lee HJ, Park SI, Park KH, van der Spek PJ, Moon JS. Metabolomic Signatures for the Effects of Weight Loss Interventions on Severe Obesity in Children and Adolescents. *Metabolites*. 2021 Dec 30;12(1):27. PMID:35050149
2. Hahn JW, Moon SY, Kim MS, Woo MH, Sohn MJ, Kim HY, Seong MW, Park SS, Park SH, Moon JS, Ko JS. ACTG2 Variants in Pediatric Chronic Intestinal Pseudo-obstruction With Megacystis. *J Neurogastroenterol Motil*. 2022 Jan 30;28(1):104-110. doi: 10.5056/jnm20243. PMID: 34980693
3. Lee S, Hur S, Suh DI, Moon JS, Moon J, Kim MJ, Cheon JE, Kim WS. Transcatheter Dynamic Contrast-Enhanced MR Lymphangiography for Nontraumatic Lymphatic Disorders: Technical Feasibility and Imaging Findings. *J Vasc Interv Radiol*. 2021 Dec;32(12):1654-1660.e2. PMID: 34844704
4. NCD Risk Factor Collaboration (NCD-RisC). Worldwide trends in hypertension prevalence and progress in treatment and control from 1990 to 2019: a pooled analysis of 1201 population-representative studies with 104 million participants. *Lancet*. 2021 Sep 11;398(10304):957-980. PMID: 34450083
5. Heterogeneous contributions of change in population distribution of body mass index to change in obesity and underweight. NCD Risk Factor Collaboration (NCD-RisC). *Elife*. 2021 Mar 9;10:e60060. PMID: 33685583
6. Kim MJ, Ko JS, Shin M, Hahn JW, Moon SY, Kim HY, Moon JS. Colorectal Cancer associated with pediatric inflammatory bowel disease: a case series. *BMC Pediatr*. 2021 Nov 11;21(1):504. doi: 10.1186/s12887-021-02966-9.
7. Park SW, Park JH, Moon HJ, Shin M, Moon JS, Ko JS. Niemann-Pick Disease Type C Diagnosed Using Neonatal Cholestasis Gene Panel. *Korean J Gastroenterol*. 2021 Oct 25;78(4):240-244.

8. Lee KJ, Moon JS, Kim NY, Ko JS. Effects of PNPLA3, TM6SF2 and SAMM50 on the development and severity of non-alcoholic fatty liver disease in children. *Pediatr Obes*. 2021 Sep 7:e12852.
9. Chang Y, Kim JW, Yang S, Chung DH, Ko JS, Moon JS, Kim HY. Increased GM-CSF-producing NCR- ILC3s and neutrophils in the intestinal mucosa exacerbate inflammatory bowel disease. *Clin Transl Immunology*. 2021 Jul 8;10(7):e1311.
10. Hong KT, Lim BC, Moon JS, Ko JS. MPV17-related Hepatocerebral Mitochondrial DNA Depletion Syndrome. *Korean J Gastroenterol*. 2021 May 25;77(5):248-252.
11. Kim KY, Kim TH, Lee JM, Yi NJ, Kim HY, Moon JS, Ko JS. Clinical outcomes and risk factors of hepatopulmonary syndrome in children. *Sci Rep*. 2021 Feb 18;11(1):4134.
12. Kim MS, Moon JS, Kim MJ, Seong MW, Park SS, Ko JS. Hereditary Fructose Intolerance Diagnosed in Adulthood. *Gut Liver*. 2021 Jan 15;15(1):142-145.
13. Kim KY, Kim TH, Seong MW, Park SS, Moon JS, Ko JS. Mutation spectrum and biochemical features in infants with neonatal Dubin-Johnson syndrome. *BMC Pediatr*. 2020 Aug 5;20(1):369. doi: 10.1186/s12887-020-02260-0.
14. Kim A, Yang HR, Cho JM, Chang JY, Moon JS, Ko JS. A Nomogram for Predicting Non-Alcoholic Fatty Liver Disease in Obese Children. *Pediatr Gastroenterol Hepatol Nutr*. 2020 May;23(3):276-285.
15. Lee EJ, Kim JW, Moon JS, Kim YB, Oh SH, Kim KM, Ko JS. Development of a Prognostic Score to Predict Mortality in Patients With Pediatric Acute Liver Failure. *J Pediatr Gastroenterol Nutr*. 2020 Jun;70(6):777-782.
16. Kim TH, Kim KY, Kim MJ, Seong MW, Park SS, Moon JS, Ko JS. Molecular diagnosis of glycogen storage disease type IX using a glycogen storage disease gene panel. *Eur J Med Genet*. 2020 Jun;63(6):103921.
17. Kim YH, Kim JW, Lee EJ, Kang GH, Kang HJ, Moon JS, Ko JS. Successful Treatment of a Korean Infant with Giant Cell Hepatitis with Autoimmune Hemolytic Anemia Using Rituximab. *Pediatr Gastroenterol Hepatol Nutr*. 2020 Mar;23(2):180-187.
18. Kim JH, Moon JS. Secular Trends in Pediatric Overweight and Obesity in Korea. *J Obes Metab Syndr*. 2020 Mar 30;29(1):12-17.
19. Lee S, Choi YH, Cho YJ, Cheon JE, Moon JS, Kang GH, Kim WS. Quantitative evaluation of Crohn's disease using dynamic contrast-enhanced MRI in children and young adults. *Eur Radiol*. 2020 Jun;30(6):3168-3177.

20. Jang HJ, Yang HR, Ko JS, Moon JS, Chang JY, Seo JK. Development of Hepatocellular Carcinoma in Patients with Glycogen Storage Disease: a Single Center Retrospective Study. *J Korean Med Sci.* 2020 Jan 6;35(1):e5.
21. Hong J, Yang HR, Moon JS, Chang JY, Ko JS. Association of IL23R Variants With Crohn's Disease in Korean Children. *Front Pediatr.* 2019 Nov 19;7:472.
22. Lee D, Lee EJ, Kim JW, Moon JS, Kim YT, Ko JS. Endoscopic Management of Pancreaticopleural Fistula in a Child with Hereditary Pancreatitis. *Pediatr Gastroenterol Hepatol Nutr.* 2019 Nov;22(6):601-607.
23. Han SR, Cho MH, Moon JS, Ha IS, Cheong HI, Kang HG. Life-Threatening Extrarenal Manifestations in an Infant with Atypical Hemolytic Uremic Syndrome Caused by a Complement 3-Gene Mutation. *Kidney Blood Press Res.* 2019;44(5):1300-1305.
24. Jang HJ, Chung JY, Seo JH, Moon JS, Choe BH, Shim JO. Nationwide Survey for Application of ROME IV Criteria and Clinical Practice for Functional Constipation in Children. *J Korean Med Sci.* 2019 Jul 8;34(26):e183.
25. Cho YH, Kim JW, Shim JO, Yang HR, Chang JY, Moon JS, Ko JS. Association Between Vitamin D Deficiency and Suspected Nonalcoholic Fatty Liver Disease in an Adolescent Population. *Pediatr Gastroenterol Hepatol Nutr.* 2019 May;22(3):233-241. Yi DY, Kim SC, Lee JH, et al. 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. *Korean J Pediatr* 2019;62:3-21.
26. Woo MH, Cho YH, Sohn MJ, et al. Use of Anti-TNF Alpha Blockers Can Reduce Operation Rate and Lead to Growth Gain in Pediatric Crohn's Disease. *Pediatr Gastroenterol Hepatol Nutr.* 2019;22(4):358-368.
27. Moon JS. Clinical aspects and treatments for pediatric inflammatory bowel disease. *Intest Res* 2019;17:17-23.
28. NCD Risk Factor Collaboration (NCD-RisC). Rising rural body-mass index is the main driver of the global obesity epidemic in adults. *Nature.* 2019;569(7755):260-264.
29. Youn JK, Park T, Kim SH, et al. Prospective evaluation of clinical outcomes and quality of life after gastric tube interposition as esophageal reconstruction in children. *Medicine (Baltimore)* 2018;97:e13801.



30. Sohn MJ, Cho JM, Moon JS, Ko JS, Yang HR. EBV VCA IgM and cytomegalovirus IgM dual positivity is a false positive finding related to age and hepatic involvement of primary Epstein-Barr virus infection in children. *Medicine (Baltimore)* 2018;97:e12380.
31. Shim JO, Yang HR, Moon JS, et al. Multiplex Ligation-dependent Probe Amplification Analysis Subsequent to Direct DNA Full Sequencing for Identifying ATP7B Mutations and Phenotype Correlations in Children with Wilson Disease. *J Korean Med Sci* 2018;33:e177.
32. Lee KJ, Choe BH, Choe JY, et al. A Multicenter Study of the Antiviral Efficacy of Entecavir Monotherapy Compared to Lamivudine Monotherapy in Children with Nucleos(t)ide-naive Chronic Hepatitis B. *J Korean Med Sci* 2018;33:e63.
33. Kim KY, Lee EJ, Kim JW, et al. Higher Morbidity of Monogenic Inflammatory Bowel Disease Compared to the Adolescent Onset Inflammatory Bowel Disease. *Pediatr Gastroenterol Hepatol Nutr* 2018;21:34-42.
34. Kim JW, Lee KJ, Yang HR, et al. Prevalence and risk factors of elevated alanine aminotransferase among Korean adolescents: 2001-2014. *BMC Public Health* 2018;18:617.
35. NCD Risk Factor Collaboration (NCD-RisC). Contributions of mean and shape of blood pressure distribution to worldwide trends and variations in raised blood pressure: a pooled analysis of 1018 population-based measurement studies with 88.6 million participants. *Int J Epidemiol.* 2018;47(3):872–883i.
36. Kim JH, Yun S, Hwang SS, et al. The 2017 Korean National Growth Charts for children and adolescents: development, improvement, and prospects. *Korean J Pediatr* 2018;61:135-149.
37. Lee KJ, Kim JW, Moon JS, Ko JS. Epidemiology of Biliary Atresia in Korea. *J Korean Med Sci* 2017;32:656-660.
38. Lee EJ, Yang HR, Cho JM, Ko JS, Moon JS. Two Cases of Colonoscopic Retrieval of a Foreign Body in Children: A Button Battery and an Open Safety Pin. *Pediatr Gastroenterol Hepatol Nutr* 2017;20:204-209.
39. Lee EJ, Moon JS, Ko JS, et al. Effect of the Baseline Vitamin D Level on Growth Outcome in Pediatric Crohn Disease. *Pediatr Gastroenterol Hepatol Nutr* 2017;20:41-46.
40. Kim KY, Kim JW, Lee KJ, et al. A Novel Homozygous LIPA Mutation in a Korean Child with Lysosomal Acid Lipase Deficiency. *Pediatr Gastroenterol Hepatol Nutr* 2017;20:263-267.

41. Kim GH, Shin SW, Lee J, et al. Red meat and chicken consumption and its association with high blood pressure and obesity in South Korean children and adolescents: a cross-sectional analysis of KSHES, 2011-2015. *Nutr J* 2017;16:31.
42. Kim A, Chang JY, Shin S, et al. Epidemiology and Factors Related to Clinical Severity of Acute Gastroenteritis in Hospitalized Children after the Introduction of Rotavirus Vaccination. *J Korean Med Sci* 2017;32:465-474.
43. Jung SY, Lee YJ, Lee HJ, et al. Nonalcoholic fatty liver disease in long-term survivors of childhood-onset craniopharyngioma. *Ann Pediatr Endocrinol Metab* 2017;22:189-196.
44. NCD Risk Factor Collaboration (NCD-RisC). Worldwide trends in body-mass index, underweight, overweight, and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 128.9 million children, adolescents, and adults. *Lancet* 2017;390:2627-2642.
45. Yi NJ, Lee JM, Kim H, et al. Simple ellipsoid reconstruction technique for a hypoplastic portal vein during pediatric liver transplantation. *Liver Transpl* 2016;22:854-858.
46. 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 Infect Dis* 2016;16:287.
47. Park JS, Ko JS, Seo JK, Moon JS, Park SS. Clinical and ABCB11 profiles in Korean infants with progressive familial intrahepatic cholestasis. *World J Gastroenterol* 2016;22:4901-4907.
48. Lee S, Moon JS, Lee CR, et al. Abatacept alleviates severe autoimmune symptoms in a patient carrying a de novo variant in CTLA-4. *J Allergy Clin Immunol* 2016;137:327-330.
49. Lee KJ, Choi SJ, Yang HR, et al. Stepwise Endoscopy Based on Sigmoidoscopy in Evaluating Pediatric Graft-versus-Host Disease. *Pediatr Gastroenterol Hepatol Nutr* 2016;19:29-37.
50. Lee KJ, Choi SJ, Kim WS, Park SS, Moon JS, Ko JS. Esophageal Stricture Secondary to Candidiasis in a Child with Glycogen Storage Disease 1b. *Pediatr Gastroenterol Hepatol Nutr* 2016;19:71-75.
51. Jeong E, Jung YH, Shin SH, et al. The successful accomplishment of nutritional and clinical outcomes via the implementation of a multidisciplinary nutrition support team in the neonatal intensive care unit. *BMC Pediatr* 2016;16:113.

52. Choi Y, Yi NJ, Ko JS, et al. Reappraisal of the Role of Portacaval Shunting in the Growth of Patients With Glycogen Storage Disease Type I in the Era of Liver Transplantation. *Transplantation* 2016;100:585-592.
53. Choi SJ, Lee KJ, Choi JS, et al. Poor Prognostic Factors in Patients with Parenteral Nutrition-Dependent Pediatric Intestinal Failure. *Pediatr Gastroenterol Hepatol Nutr* 2016;19:44-53.
54. Choi SJ, Choi JS, Chun P, et al. Living Related Liver Transplantation in an Infant with Neonatal Hemochromatosis. *Pediatr Gastroenterol Hepatol Nutr* 2016;19:147-151.
55. Choi JS, Yoo HW, Lee KJ, Ko JM, Moon JS, Ko JS. Novel Mutations in the CPT1A Gene Identified in the Patient Presenting Jaundice as the First Manifestation of Carnitine Palmitoyltransferase 1A Deficiency. *Pediatr Gastroenterol Hepatol Nutr* 2016;19:76-81.
56. Cho HH, Kim WS, Choi YH, et al. Ultrasonography evaluation of infants with Alagille syndrome: In comparison with biliary atresia and neonatal hepatitis. *Eur J Radiol* 2016;85:1045-1052.
57. Ryoo NY, Shin HY, Kim JH, Moon JS, Lee CG. Change in the height of Korean children and adolescents: analysis from the Korea National Health and Nutrition Survey II and V. *Korean J Pediatr* 2015;58:336-340.
58. Kim A, Moon JS, Yang HR, Chang JY, Ko JS, Seo JK. Diencephalic syndrome: a frequently neglected cause of failure to thrive in infants. *Korean J Pediatr* 2015;58:28-32.
59. Choi JS, Choi SJ, Lee KJ, et al. Clinical Manifestations and Treatment Outcomes of Eosinophilic Gastroenteritis in Children. *Pediatr Gastroenterol Hepatol Nutr* 2015;18:253-260.
60. Chang JY, Park JS, Shin S, Yang HR, Moon JS, Ko JS. Mercury Exposure in Healthy Korean Weaning-Age Infants: Association with Growth, Feeding and Fish Intake. *Int J Environ Res Public Health* 2015;12:14669-14689.
61. Ahn KJ, Yoon JK, Kim GB, et al. Alagille syndrome and a JAG1 mutation: 41 cases of experience at a single center. *Korean J Pediatr* 2015;58:392-397.
62. Ko JS, Moon JS, Seo JK, Yang HR, Chang JY, Park SS. A mutation analysis of the AGL gene in Korean patients with glycogen storage disease type III. *J Hum Genet* 2014;59:42-45.
63. Ko JS, Chang JY, Moon JS, Yang HR, Seo JK. Molecular Analysis of the UGT1A1 Gene in Korean Patients with Crigler-Najjar Syndrome Type II. *Pediatr Gastroenterol Hepatol Nutr* 2014;17:37-40.

64. Kim A, Yang HR, Moon JS, Chang JY, Ko JS. Epstein-barr virus infection with acute acalculous cholecystitis. *Pediatr Gastroenterol Hepatol Nutr* 2014;17:57-60.

Written by Jin Soo Moon, M.D., Ph.D.

A handwritten signature in black ink, appearing to be 'JSM' or similar initials, written in a cursive style.

Date: January 6, 2022