

Curriculum Vitae

Name: Soon Min LEE

Education:

2002 M.D. Hanyang University College of Medicine, Seoul, Korea
2004 ~ 2006 Master's Degree, Yonsei University Graduate School,
Seoul, Korea
2007 ~ 2013 Doctor's Degree, Yonsei University Graduate School
Seoul, Korea
2007 ~ 2013 PhD, Yonsei University Graduate School
Seoul, Korea

Postgraduate Training:

2002 ~ 2003 Internship Gangnam Severance Hospital, Yonsei University College of
Medicine
2003~ 2007 Residency, Dept. Pediatrics Severance Hospital, Yonsei University
College of Medicine
2018~2019 Visiting faculty Lucile Packard Children's hospital,
Stanford University

Position Held & Faculty Appointment

Mar. 2007 ~ Feb. 2009 Fellowship, Division of Neonatology, Department of Pediatrics,
Severance Hospital, Yonsei University College of Medicine
Mar. 2009 ~ Feb. 2015 Clinical Assistant professor, Division of Neonatology,
Department of Pediatrics, Gangnam Severance Hospital, Yonsei University College of
Medicine
Mar. 2015 ~ Feb. 2020 Assistant professor, Chief, Division of Neonatology, Department
of Pediatrics, Gangnam Severance Hospital, Yonsei University College of Medicine
Mar. 2020 ~ present Associate professor, Chief, Division of Neonatology, Department
of Pediatrics, Gangnam Severance Hospital, Yonsei University College of Medicine

Membership:

The Korean Medical Association
The Korean Pediatric Society

The Korean Society of Neonatology
The Korean Society of Perinatology
The Korean Neonatal Network
The Korean Society of Breastfeeding Medicine
The Korean Society of Maternal and Child Health
POCUSNEO

Award

Commendation The Minister of Health and Welfare, Dec 2021
Clinical Experimental Pediatrics' The Korean Pediatric Society, 2020
Academic Award (Best paper) The Korean Society of Neonatology, Nov 2016
Academic Award (Best paper) The Korean Pediatric Society, Sep, 2011
Academic Award (Best presentation) The Korean Society of Perinatology, Dec. 2010
Academic Award (Best presentation) The Korean Society of Neonatology, Sep. 2010

Peer Reviewed Publications

- Racial and ethnic disparities in postnatal growth among very low birth weight infants in California. Lee SM, Sie L, Liu J, Profit J, Main E, Lee HC. *J Perinatol.* 2023 Mar;43(3):371-377.
- Major Congenital Anomalies in Korean Livebirths in 2013–2014: Based on the National Health Insurance Database. Lee JA, Lee SM, Chung SH, Lee JH, Shim JW, Lim JW, Kim CR, Chang YS *J Korean Med Sci.* 2023 Oct 9;38(39):e304.
- Nationwide Long-Term Growth and Developmental Outcomes of Infants for Congenital Anomalies in the Digestive System and Abdominal Wall Defects With Surgery in Korea. Lee SM, Lee JA, Chung SH, Lee JH, Shim JW, Lim JW, Kim CR, Chang YS. *J Korean Med Sci.* 2023 Dec 18;38(49):e372.
- Growth and developmental outcomes of infants with hypoxic ischemic encephalopathy. Park J, Park SH, Kim C, Yoon SJ, Lim JH, Han JH, Shin JE, Eun HS, Park MS, Lee SM. *Sci Rep.* 2023 Dec 28;13(1):23100.
- Prediction of Postnatal Growth Failure in Very Low Birth Weight Infants Using a Machine Learning Model. Yoon SJ, Kim D, Park SH, Han JH, Lim J, Shin JE, Eun HS, Lee SM, Park MS. *Diagnostics (Basel).* 2023 Dec 8;13(24):3627
- Evaluation of Trends in Bronchopulmonary Dysplasia and Respiratory Support Practice for Very Low Birth Weight Infants: A Population-Based Cohort Study. Lee SM, Sie L, Liu J, Profit J, Lee HC. *J Pediatr.* 2022 Apr;243:47-52.e2
- Smart bioelectronic pacifier for real-time continuous monitoring of salivary electrolytes.

Lim HR, Lee SM, Park S, Choi C, Kim H, Kim J, Mahmood M, Lee Y, Kim JH, Yeo WH. *Biosens Bioelectron.* 2022 Aug 15;210:114329

- Application of Machine Learning Approaches to Predict Postnatal Growth Failure in Very Low Birth Weight Infants. Han JH, Yoon SJ, Lee HS, Park G, Lim J, Shin JE, Eun HS, Park MS, Lee SM. *Yonsei Med J.* 2022 Jul;63(7):640-647.
- Growth Pattern With Morbidities From Birth to 5 Years of Age in Very Low Birth Weight Infants: Comparison of the Korean National Network and National Health Insurance Service. Lim J, Yoon SJ, Shin JE, Han JH, Lee SM, Eun HS, Park MS, Park KI. *J Korean Med Sci.* 2022 May 23;37(20):e162
- Growth patterns of preterm infants in Korea. Joohee Lim, So Jin Yoon, Soon Min Lee. *Clin Exp Pediatr.* 2022 Jan;65(1):1-9.
- Tools for assessing lung fluid in neonates with respiratory distress. Yoon SJ, Han JH, Cho KH, Park J, Lee SM, Park MS. *BMC Pediatr.* 2022 Jun 20;22(1):354
- The impact of neonatal morbidities on child growth and developmental outcomes in very low birth weight infants: a nationwide cohort study. Han JH, Yoon SJ, Lim JH, Shin JE, Eun HS, Park MS, Park KI, Lee SM. *Eur J Pediatr.* 2022 Jan;181(1):197-205.
- Oxygen care and treatment of retinopathy of prematurity in ocular and neurological prognosis. Kang HG, Choi EY, Cho H, Kim M, Lee CS, Lee SM. *Sci Rep.* 2022 Jan 10;12(1):341
- Epidemiology of Macrosomia in Korea: Growth and Development Cho KH, Yoon SJ, Lim J, Eun H, Park MS, Park KI, Jo HS, Lee SM. *J Korean Med Sci.* 2021 Dec 6;36(47):e320.
- Growth failure of very low birth weight infants during the first 3 years: A Korean neonatal network. Lim J, Yoon SJ, Shin JE, Han JH, Lee SM, Eun HS, Park MS, Park KI. *PLoS One.* 2021 Oct 28;16(10):e0259080.
- Patent ductus arteriosus treatment trends and associated morbidities in neonates. Park J, Yoon SJ, Han J, Song IG, Lim J, Shin JE, Eun HS, Park KI, Park MS, Lee SM. *Sci Rep.* 2021 May 21;11(1):10689
- Clusterin Deficiency Exacerbates Hyperoxia-Induced Acute Lung Injury. Hong JY, Kim MN, Kim EG, Lee JW, Kim HR, Kim SY, Lee SM, Kim YH, Kim KW, Sohn MH. *Cells.* 2021 Apr 19;10(4):944
- Barriers to and enablers of kangaroo mother care. Lee SM. *Korean Journal of Pediatrics.* 2020;63(11):431~432
- Impact of neonatal resuscitation changes on outcomes of very-low-birth-weight infants. Yoon SJ, Lim J, Han JH, Shin JE, Eun HS, Park MS, Park KI, Lee SM. *Sci Rep.* 2021 Apr 26;11(1):9003
- Development of Flexible Ion-Selective Electrodes for Saliva Sodium Detection. Lim HR, Lee SM, Mahmood M, Kwon S, Kim YS, Lee Y, Yeo WH. *Sensors (Basel).* 2021 Feb

26;21(5):1642

- Population pharmacokinetics and dose optimization of vancomycin in neonates. Lee SM, Yang S, Kang S, Chang MJ. *Sci Rep.* 2021 Mar 17;11(1):6168
- Effect of Nutritional Intervention by the Nutrition Support Team on Postnatal Growth in Preterm Infants. So Jin Yoon, Joo Hee Lim, Soon Min Lee, Sun Jung Kim, Sun Kyung Lee, Soo Min Lee. *Journal of Clinical Nutrition.* 2020;12(2):26~33
- Identification of Growth Patterns in Low Birth Weight Infants from Birth to 5 Years of Age: Nationwide Korean Cohort Study. Yoon SJ, Lim J, Han JH, Shin JE, Lee SM, Eun HS, Park MS, Park KI. *Int. J. Environ. Res. Public Health.* 2021;18(3):1206
- Outcomes of infants born to pregnant women with syphilis: a nationwide study in Korea. Lim J, Yoon SJ, Shin JE, Han JH, Lee SM, Eun HS, Park MS, Park KI. *BMC Pediatrics.* 2021;21:47
- All-in-One, Wireless, Fully Flexible Sodium Sensor System with Integrated Au/CNT/Au Nanocomposites. Hyo-Ryoung Lim, Yongkuk Lee, Kathryn A. Jones, Young-Tae Kwon, Shinjae Kwon, Musa Mahmood, Soon Min Lee, Woon-Hong Yeo. *Sensors and Actuators B Chemical.* 2021;331(14):129
- Pulmonary Surfactant Replacement Therapy for Respiratory Distress Syndrome in Neonates: a Nationwide Epidemiological Study in Korea. Shin JE, Yoon SJ, Lim J, Han J, Eun HS, Park MS, Park KI, Lee SM. *JOURNAL OF KOREAN MEDICAL SCIENCE* 2020;35(32)e253
- The risk of small for gestational age in very low birth weight infants born to Asian or Pacific Islander mothers in California. Lee SM, Sie L, Liu J, Profit J, Lee HC. *JOURNAL OF PERINATOLOGY.* 2020;40(5):724~731
- The Clinical Risk Index for Babies II for Prediction of Time-Dependent Mortality and Short-Term Morbidities in Very Low Birth Weight Infants. Lee SM, Lee MH, Chang YS; the Korean Neonatal Network. *Neonatology.* 2019;116(3):244-251.
- Post-marketing surveillance to assess the safety and tolerability of a combined diphtheria, tetanus, acellular pertussis and inactivated poliovirus vaccine (DTaP-IPV) in Korean children. Lee SM, Kim SJ, Chen J, Song R, Kim JH, Devadiga R, Kim YK. *Hum Vaccin Immunother.* 2019;15(5):1145-1153
- International Perspectives: Implementation of the Korean Neonatal Network. Lee SM, Chang YS, Park WS; Korean Neonatal Network. *Neoreviews.* 2019 Apr;20(4):e177-e188. doi: 10.1542/neo.20-4-e177.
- The predictors for the non-compliance to follow-up among very low birth weight infants in the Korean neonatal network. Kim NH, Youn YA, Cho SJ, Hwang JH, Kim EK, Kim EA, Lee SM; Korean Neonatal Network. *PLoS One.* 2018 Oct 1;13(10)
- Percutaneous Transhepatic Biliary Drainage in a Two-Month-Old Infant with Inspissated

Bile Syndrome. Chang SH, Joo SM, Yoon CS, Lee KH, Lee SM. *Yonsei Med J.* 2018 Sep;59(7):904-907

- A 6-year safety surveillance of 10-valent pneumococcal non-typeable Haemophilus influenzae protein D conjugate vaccine (PHiD-CV) in South Korea. Lee SM, Lee JH, Song ES, Kim SJ, Kim JH, Jakes RW, Devadiga R, Park MS. *Hum Vaccin Immunother.* 2018 Aug 7:1-7
- Prediction of Postnatal Growth Failure among Very Low Birth Weight Infants. Lee SM, Kim N, Namgung R, Park M, Park K, Jeon J. *Sci Rep.* 2018 Feb 27;8(1):3729.
- Effective Tidal Volume for Normocapnia in Very-Low-Birth-Weight Infants Using High-Frequency Oscillatory Ventilation. Lee SM, Namgung R, Eun HS, Lee SM, Park MS, Park KI. *Yonsei Med J.* 2018 Jan;59(1):101-106.
- Abnormal Neurodevelopmental Outcomes are Very Likely in Cases of Bilateral Neonatal Arterial Ischaemic Stroke. Jin JH, Shin JE, Lee SM, Eun HS, Park MS, Park KI, Namgung R. *Acta paediatrica.* 2017 Feb;106(2)
- Clinical Pharmacokinetics of Caffeine in Korean Preterm Infants with Apnea of Prematurity Lim MS, Sohn MJ, Shin JE, Lee SM, Eun HS, Park MS, Park KI, Namgung R. *Neonatal Med.* 2017 Feb;24(1)
- Experience and pharmacokinetics of Levetiracetam in Korean neonates with neonatal seizures Shin JW, Jung YS, Park K, Lee SM, Eun HS, Park MS, Park KI, Namgung R. *Korean J Pediatr* 2017 Feb;60(2)
- Post-discharge growth assessment in very low birth weight infants. Park JS, Han JH, Shin JE, Lee SM, Eun HS, Park MS, Park KI, Namgung R. *Korean J Pediatr*, 2017 Feb;60(2)
- Clinical outcomes of renal pelvis dilatation in very low birth weight infants Jeon MA, Shin JW, Lee SM, Eun HS, Park MS, Park KI, Namgung R. *Korean J Perinatol.* 2017 In Press
- Diagnosis of Severe Protein C Deficiency Confirmed by Presence of Rare PROC Gene Mutation. Lim MS, Shin JE, Lee SM, Eun HS, Park MS, Park KI, Namgung R. *Neonatal Med.* 2016 November;23(4):233-237
- A Case of Pulmonary Interstitial Emphysema Treated by Percutaneous Catheter Insertion in Extremely Low Birth Weight Infant. Kim C, Shin JE, Lee SM, Eun HS, Park MS, Park KI, Namgung R, Lee S, Yoon CS. *Yonsei Med J.* 2016 Nov;57(6):1523-6.
- Blood Culture Proven Early Onset Sepsis and Late Onset Sepsis in Very-Low-Birth-Weight Infants in Korea. Lee SM, Chang M, Kim KS. *J Korean Med Sci.* 2015 Oct;30 Suppl 1:S67-74.
- Efficacy and Safety of Kangaroo Mother Care in Preterm Infants in Korea. Lim JH, Shin JE, Lee SM, Eun HS, Park MS, Park KI, Namgung R. *Korean J Perinatol.* 2015

Dec;26(4):305-311

- Risk Factors for Postoperative Cardiopulmonary Instability Following Ligation of Patent Ductus Arteriosus in Very Low Birth Weight Infants. Kim SJ, Shin JE, Lee SM, Eun HS, Park MS, Park KI, Namgung R. *Neonatal Med.* 2015 Nov;22(4):198-204
- Nutritional outcomes in children with epidermolysis bullosa: the experiences of two centers in Korea. Kim KY, Namgung R, Lee SM, Kim SC, Eun HS, Park MS, Park KI, Lee C. *Yonsei Med J.* 2014 Jan;55(1):264-9.
- Usefulness of the delta neutrophil index for assessing neonatal sepsis. Lee SM, Eun HS, Namgung R, Park MS, Park KI, Lee C. *Acta Paediatr.* 2013 Jan;102(1):e13-6.
- Parenteral nutrition associated cholestasis is earlier, more prolonged and severe in small for gestational age compared with appropriate for gestational age very low birth weight infants. Lee SM, Namgung R, Park MS, Eun HS, Kim NH, Park KI, Lee C. *Yonsei Med J.* 2013 Jul;54(4):839-44.
- High incidence of rickets in extremely low birth weight infants with severe parenteral nutrition-associated cholestasis and bronchopulmonary dysplasia. Lee SM, Namgung R, Park MS, Eun HS, Park KI, Lee C. *J Korean Med Sci.* 2012 Dec;27(12):1552-5.
- Effects of cytochrome P450 (CYP)2C19 polymorphisms on pharmacokinetics of phenobarbital in neonates and infants with seizures. Lee SM, Chung JY, Lee YM, Park MS, Namgung R, Park KI, Lee C. *Arch Dis Child.* 2012 Jun;97(6):569-72.
- A case of suspected isotretinoin-induced malformation in a baby of a mother who became pregnant one month after discontinuation of the drug. Lee SM, Kim HM, Lee JS, Yoon CS, Park MS, Park KI, Namgung R, Lee C. *Yonsei Med J.* 2009 Jun 30;50(3):445-7.
- Evaluation of renal function in children with mitochondrial respiratory chain complex defect: usefulness of cystatin C. Lee SM, Kim JH, Lee YM, Lee JS, Kim HD. *Acta Paediatr.* 2009 Jun;98(6):1014-8.
- Newly observed thalamic involvement and mutations of the HEXA gene in a Korean patient with juvenile GM2 gangliosidosis. Lee SM, Lee MJ, Lee JS, Kim HD, Lee JS, Kim J, Lee SK, Lee YM. *Metab Brain Dis.* 2008