

Tetsuya Isayama, MD, MSc, PhD

Current positions and roles

Head of the Division of Neonatology, National Center for Child Health and Development (NCCHD), Tokyo, Japan
Emeritus Task Force of the Neonatal Life Support (NLS) of the International Liaison Committee of Resuscitation (ILCOR)
Director of the Asian Neonatal Network Collaboration (AsianNeo)
Board of directors of the Neonatal Research Network of Japan
Board of directors of the Japan Society for Neonatal Health and Development
Board of directors of the Japan Society of Perinatal and Neonatal Medicine



Education & Training

- In 1997, Master of Science of Physics, Graduate School of Science, Kyoto University, Kyoto, Japan
- In 1997-2003, Graduated from Kyoto Prefectural University of Medicine, Kyoto, Japan
- In 2003-2008 Pediatric Residency of the Kyoto Prefectural University of Medicine, Kyoto, Japan
- In 2008-2010 Neonatal Fellow and Staff in Osaka Women's and Children's Hospital, Osaka, Japan
- In 2011-2012 Neonatal Fellowship of the University of Toronto, Toronto, Canada
- In 2013-2017 Clinical Fellow of the NICU of the Sunnybrook Health Science Centre, Toronto, Canada
- In 2018 Obtained PhD (Clinical Epidemiology) of the McMaster University, Hamilton, Ontario, Canada
- Since June 2017, Head of the Division of Neonatology, National Center for Child Health and Development (NCCHD), Tokyo, Japan

Research interest

Neonatal and perinatal epidemiology, international comparison studies on clinical practice and outcomes, Systematic reviews & Clinical practice guideline

Main papers (10 selected)

- 1) [Isayama T](#), Kusuda S, Adams M, et al. International Variation in the Management of Patent Ductus Arteriosus and its Association with Infant Outcomes: A Survey and Linked Cohort Study. *J Pediatr*. 2022 Jan 4:S0022-3476(21)01278-6. Epub ahead of print. PMID: 34995641.
- 2) [Isayama T](#), Mildenhall L, Schmölzer GM, et al. The Route, Dose, and Interval of Epinephrine for Neonatal Resuscitation: A Systematic Review. *Pediatrics*. 2020 Sep 9:e20200586. doi: 10.1542/peds.2020-0586. PMID: 32907923
- 3) [Isayama T](#), O'Reilly D, Beyene J, Shah PS, Lee SK, McDonald SD. Hospital Care Cost and Resource Use of Early Discharge of Healthy Late Preterm and Term Singletons: A Population-based Cohort Study and Cost Analysis. *J Pediatr*. 2020 Jun 28:S0022-3476(20)30763-0. doi: 10.1016/j.jpeds.2020.06.060. PMID: 32610167
- 4) [Isayama T](#), Kusuda S, Reichman B, et al. Neonatal Intensive Care Unit-Level Patent Ductus Arteriosus Treatment Rates and Outcomes in Infants Born Extremely Preterm. *J Pediatr*. 2020 May;220:34-39.e5. doi: 10.1016/j.jpeds.2020.01.069. Epub 2020 Mar 4. PMID: 32145968
- 5) [Isayama T](#). The clinical management and outcomes of extremely preterm infants in Japan: past, present, and future. *Transl Pediatr*. 2019 Jul;8(3):199-211. doi: 10.21037/tp.2019.07.10. Review. PMID: 31413954
- 6) [Isayama T](#), Shah PS. Need for an International Consensus on BPD Definition. *Am J Respir Crit Care Med*. 2019 Jul 19. doi: 10.1164/rccm.201906-1127LE. [Epub ahead of print] PMID: 31322422
- 7) [Isayama T](#), Lewis-Mikhael AM, O'Reilly D, Beyene J, McDonald SD. Health Services Use by Late Preterm and Term Infants From Infancy to Adulthood: A Meta-analysis. *Pediatrics*. 2017 Jul;140(1). pii: e20170266. doi: 10.1542/peds.2017-0266. Review. PMID: 28759410
- 8) [Isayama T](#), Lee SK, Yang J, Lee D, Daspal S, Dunn M, Shah PS. Revisiting the definition of bronchopulmonary dysplasia: impact of changing nomenclature of respiratory support for preterm neonates. *JAMA Pediatrics* 2017;171(3):271-279
- 9) [Isayama T](#), Iwami H, McDonald S, Beyene J. Association of Noninvasive Ventilation Strategies With Mortality and Bronchopulmonary Dysplasia Among Preterm Infants: A Systematic Review and Meta-analysis. *JAMA*. 2016 Aug 9;316(6):611-24. doi: 10.1001/jama.2016.10708. PMID: 27532916
- 10) [Isayama T](#), Lee SK, Ye XY, Mori R, Kusuda S, Fujimura M, Shah PS. Comparison of mortality and morbidity of very low birth weight infants between Canada and Japan. *Pediatrics*. 2012 Oct;130(4):e957-e965. PMID: 22966031

Short Bio

Dr. Tetsuya Isayama is a neonatologist, the Head of the Division of Neonatology, National Center for Child Health and Development (NCCHD), Tokyo, Japan. He is an emeritus task force members of the Neonatal Life Support (NLS) of the International Liaison Committee of Resuscitation (ILCOR). He is the Director of the Asian Neonatal Network Collaboration (AsianNeo), and Board members of several neonatology related Japanese societies. He did the neonatology fellowship in Osaka Women's and Children's Hospital, Osaka, Japan, and after that also completed the neonatology fellowship of the University of Toronto, Toronto, ON, Canada. He obtained PhD in the Clinical Epidemiology and Biostatistics of McMaster University, Hamilton, ON, Canada. His research interests are in neonatal and perinatal epidemiology, international comparison studies on clinical practice and outcomes, systematic reviews & clinical practice guideline.