Kazuto UEDA, MD

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PERSONAL INFORMATION

Place of Birth: Ehime, Japan
Nationality: Japanese

EDUCATION

Nagoya University Graduate School of Medicine, Nagoya — Apr/2016-Mar/2020

Bachelor of Medicine, Nagoya University, School of Medicine, Nagoya — Apr/2003-Mar/2009

WORK EXPERIENCE

Nagoya University Hospital — Apr/2016-Present
Division of Neonatology Center for Maternal-Neonatal Care
(Assistant professor — Apr/2023-Present)

Anjo Kosei Hospital — Apr/2015-Mar/2016
Department of Pediatrics and Neonatology

Handa City Hospital — Apr/2014-Mar/2015
Department of Pediatrics and Neonatology

Nagoya University Hospital — Oct/2013-Mar/2014
Fellowship in Pediatrics

Tosei General Hospital — Apr/2009-Sep/2013
Residency in Internal Medicine, Surgery, Obstetrics and Gynecology,
Anesthesiology, Primary Care, ER (Apr/2009-Mar/2011)
Residency in Pediatrics (Apr/2011-Sep/2013)

RESEARCH ACTIVITY

"Database-based study on the characteristics of cardiopulmonary resuscitations in Japan's neonatal intensive care units"
under the direction of Dr. Nobuyuki Yotani
Department of Palliative Medicine, National Center for Child Health and Development, Tokyo, Japan

"Ask Hope Study"
under the direction of Dr. Wataru Irie

Department of Nursing, Health Sciences, Tohoku University Graduate School of Medicine, Sendai, Japan

"The development of new treatments for perinatal brain damage using Muse cells"
"Circulating stem cells and serum cytokines after birth in infants with hypoxic-ischemic encephalopathy"
"The retrospective study on arterial ischemic stroke in children"
under the direction of Assoc. Prof. Yoshiaki Sato, Clinical Prof. Jun Natsume and Prof. Yoshiyuki Takahashi
Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan

LICENCE

Oct/2015	Board of Pediatrics in Japan
Apr/2011	Neonatal CPR provider
Apr/2009	License of Medical Doctor in Japan

AWARD

The SPR/JPS Fellow Exchange Award at the PAS 2020 Meeting

PUBLICATIONS

In English

1. Ueda K, Sato Y, et al. Systemic administration of clinical-grade multilineage-differentiating stress-enduring cells ameliorates hypoxic-ischemic brain injury in neonatal rats. *Sci Rep*. 2023; 13:14958.

2. Jabary M, Sato Y, Ueda K, et al. Fetal growth restriction followed by early catch-up growth impairs pancreatic islet morphology in male rats. *Sci Rep*. 2023; 13:2732.

3. Mimatsu H, Sato Y, Ueda K, et al. Dedifferentiated fat cells administration ameliorates abnormal expressions of fatty acids metabolism-related protein expressions and intestinal tissue damage in experimental necrotizing enterocolitis. *Sci Rep.* 2023; 13:8266.

4. Matsuyama N, Shimizu S, Ueda K, et al. Safety and tolerability of a multilineage-differentiating stress-enduring cell-based product in neonatal hypoxic-ischaemic encephalopathy with therapeutic hypothermia (SHIELD trial): a clinical trial protocol open-label, non-randomised, dose-escalation trial. *BMJ Open* 2022; 12:e057073.

5. Suzuki T, Sato Y, Ueda K, et al. Intravenously delivered multilineage-differentiating stress enduring cells dampen excessive glutamate metabolism and microglial activation in experimental perinatal hypoxic ischemic encephalopathy. *J Cereb Blood Flow Metab.* 2021; 41:1707-1720.
6. Kitase Y, Sato Y, Ueda K, et al. A Novel Treatment with Stem Cells from Human Exfoliated Deciduous Teeth for Hypoxic-Ischemic Encephalopathy in Neonatal Rats. *Stem Cells Dev.* 2020; 29:63-74.

7. Kitase Y, Sato Y, Ueda K, et al. Establishment of a Novel Fetal Growth Restriction Model and Development of a Stem-Cell Therapy Using Umbilical Cord-Derived Mesenchymal Stromal Cells. *Front Cell Neurosci* 2020; 14:212.

8. Ishiguro T, Sugiyama Y, Ueda K, Muramatsu Y, et al. Findings of amplitude-integrated electroencephalogram recordings

and serum vitamin B6 metabolites in perinatal lethal hypophosphatasia during enzyme replacement therapy. *Brain Dev*. 2019; 41:721-725.

9. Hori I, Tsuji T, Miyake M, Ueda K, et al. Delayed recognition of childhood arterial ischemic stroke. *Pediatr Int.* 2019; 61:895-903.

10. Sato Y, Ueda K, Kondo T, Hattori T, et al. Administration of Bone Marrow-Derived Mononuclear Cells Contributed to the Reduction of Hypoxic-Ischemic Brain Injury in Neonatal Rats. *Front Neurol*. 2018; 30; 987.

In Japanese

1. Hasebe Y, Kato Y, Suzuki T, Ueda K, et al. Three cases of neonatal intestinal volvulus without intestinal malroation. *Journal of Japan Society of Perinatal and Neonatal medicine*. 2017; 43: 848-852.

2. Ueda K, Hayakawa M. Neonatal hypoxic-ischemic encephalopathy; Pathology, symptom and prognosis. *Perinatal medicine (Tokyo)*. 2016; 46:955-958.

3. Ueda K, Sato Y. Anticonvulsant. *Perinatal medicine (Tokyo)*. 2015; 45:1007-1009.

4. Imai K, Ueda K, et al. What to do for Japanese neonatal medicine to lead world. *Journal of Japan Society for Premature and Newborn Medicine*. 2012; 24: 174-178.

PRESENTATIONS (as a first speaker)

1. Factors associated with cardiopulmonary resuscitation in neonatal intensive care unit in Japan: a population-based study. (English)
   The 15th Asia Pacific Hospice Palliative Care Conference. Incheon, Korea Oct/2023

2. A multilineage differentiating stress enduring (Muse) cell product ameliorates neonatal hypoxic ischemic brain injury: towards an exploratory investigator-initiated clinical trial.
   (English)
   The virtual Hershey Conference on Developmental Brain Injury. Online June/2021

3. A multilineage differentiating stress enduring (Muse) cell formulation ameliorates neonatal hypoxic ischemic brain injury. (English)
   NEURO2019 (The 42nd Annual Meeting of the Japan Neuroscience Society and The 62nd Annual Meeting of the Japanese Society for Neurochemistry). Niigata, Japan Jul/2019

4. A multilineage differentiating stress enduring (Muse) cell formulation ameliorates neonatal hypoxic ischemic brain injury. The 55^{h} Annual Meeting of Japan Society of Perinatal and Neonatal Medicine. Matsumoto, Japan Jul/2019

5. A multilineage differentiating stress enduring (Muse) cell formulation ameliorates neonatal hypoxic ischemic brain injury. (English)

IPOKRaTES (International Postgraduate Organisation for Knowledgetransfer Research and Teaching Excellent Students) Japan 2019 conference. Takamatsu, Japan May/2019

6. Retrospective study on the relationship between PROM duration and brain MRI findings in preterm infants.
   The 52nd congress of Japan Society for Perinatal and Neonatal Medicine. Toyama, Japan Jul/2016

7. Retrospective study on fetal cases with prenatal visit and palliative care.
   The 21st congress of the Japanese Society for Palliative Medicine. Kyoto, Japan Jun/2016

8. Effectiveness of flecainide for refractory arrythmia in Costello syndrome.
   The 58th congress of Japan Society for Premature and Newborn Medicine. Kumamoto, Japan Nov/2012

9. High-frequency chest wall oscillation with Smart Vest for acute respiratory diseases in children.
   The 34th Annual Meeting of the Japan Society of Respiratory Care Medicine. Okinawa, Japan Jul/2012

10. Effectiveness of high-frequency chest wall oscillation with Smart Vest for severe chronic lung disease.
    The 48th congress of Japan Society for Perinatal and Neonatal Medicine. Omiya, Japan Jul/2012