

Dr. Ming-Chou Chiang

Current Affiliation and Position

- (1) Director, Division of Neonatology, Department of Pediatrics, Chang Gung Memorial Hospital, Linkou, Taiwan
- (2) Associate Professor, School of Medicine, Chang Gung University, Taoyuan, Taiwan

Education

1989-1996 Doctor of Medicine, China Medical University, Taichung, Taiwan

Positions Held / Employment

Current:

- (1) Director, Taiwan Society of Neonatology
- (2) Chairman, International Affairs Committee, Taiwan Society of Neonatology
- (3) Administrative Secretary, Continuous Medical Education Committee, Taiwan Pediatric Association
- (3) Senior consultant, Division of Respiratory Therapy, Chang Gung Memorial Hospital, Linkou, Taiwan
- (4) Editor, Pediatrics and Neonatology
- (5) Associate Editor, Frontiers in Pediatrics

Past:

1. Vice Chairman, Continuous Medical Education Committee, Taiwan Pediatric Association
2. Chairman, Editorial Committee, Taiwan Society of Neonatology
3. Chairman, Education and Academic Committee, Taiwan Society of Neonatology
4. Research Fellow, College of Medicine, Drexel University, Philadelphia & Visiting Scholar, Children Hospital of Philadelphia, Philadelphia, USA

Research Interests

Dr. Chiang's research interests primarily focus on the investigation of mechanisms underlying neonatal hypoxic ischemic encephalopathy (HIE) and neuroprotection strategies for HIE. He is also dedicated to improving respiratory care for preterm infants and enhancing the quality of care for this vulnerable population.

Peer Review Papers 2020-2024; first or corresponding author (*)

1. Association of serum levels of inflammatory cytokines with retinopathy of prematurity in preterm infants. **Front Pediatr.** 2024;11:1195904. (*)
2. Invasive lactobacillus infection in pediatric patients in a tertiary center in Taiwan -

- 16 years' experience and literature review. **Pediatr Neonatol.** 2023 (*)
3. Therapeutic trajectory for improving survival and outcomes of very low birth weight (VLBW) preterm infants. **Pediatr Neonatol.** 2023;64:493.
 4. Neurodevelopmental Outcomes for Retinopathy of Prematurity: A Taiwan Premature Infant Follow-up Network Database Study. **Am J Ophthalmol.** 2023;247:170.
 5. Detection of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) specific antibodies and T-cell immunity response in pregnant women and neonates. **Pediatr Neonatol.** 2023;64:627. (*)
 6. Outcomes of and factors associated with the development of bronchopulmonary dysplasia with pulmonary hypertension in very low birth weight infants: A retrospective study in a medical center. **Front Pediatr.** 2023;11:1055439. (*)
 7. Lactobacillus rhamnosus sepsis associated with probiotic therapy in an extremely preterm infant: Pathogenesis and a review for clinicians. **J Microbiol Immunol Infect.** 2021;54:575.
 8. Middle cerebral artery velocity is associated with the severity of MRI brain injury in neonates received therapeutic hypothermia. **Biomed J.** 2021;44 (6 Suppl 1):S119. (*)
 9. Delivery management of suspected or confirmed COVID-19 positive mothers. **Pediatr Neonatol.** 2021;62(5):476. (*)
 10. Prognostic Factors and Clinical Features of Neonatal Splenic Rupture/Hemorrhage: Two Cases Reports and Literature Review. **Front Pediatr.** 2021;9:616247. (*)
 11. Seizures severity during rewarming can predict seizure outcomes of infants with neonatal hypoxic-ischemic encephalopathy following therapeutic hypothermia. **Biomed J.** 2020;43(3):285. (*)
 12. A retrospective study on the incidence of acute kidney injury and its early prediction using troponin-I in cooled asphyxiated neonates. **Sci Rep.** 2020;10(1):15682. (*)
 13. Unusual Presentations of Birth Related Cervical Spinal Cord Injury. **Front Pediatr.** 2020;8:514. (*)