



Meera N. Sankar

Clinical Professor, Pediatrics - Neonatology

CLINICAL OFFICE (PRIMARY)

- Neonatal Intensive Care Unit

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Bio

BIO

Dr. Sankar is a Clinical Professor of Pediatrics in the Division of Neonatal-Perinatal Medicine at Stanford. Her specific areas of clinical research interests include patent ductus arteriosus (PDA) management in preterm newborns and non-invasive use of technology in the NICU setting. Dr. Sankar completed the Stanford Biodesign Faculty Fellowship in 2024. She is passionate about pursuing interdisciplinary innovative research to scale up impactful ideas benefiting a large population of newborns and children.

CLINICAL FOCUS

- Neonatal-Perinatal Medicine
- PDA in preterm infants

ACADEMIC APPOINTMENTS

- Clinical Professor, Pediatrics - Neonatology
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Medical Director, NICU, Stanford Children's Hospital, (2024- present)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- President-Elect, California Association of Neonatologists (CAN) (2024 - present)
- Member, Society for Pediatric Research (2023 - present)
- Member, Western Society for Pediatric Research (2018 - present)
- Instructor, Neonatal Resuscitation Program (2004 - present)
- Fellow, American Academy of Pediatrics (1996 - present)

PROFESSIONAL EDUCATION

- Residency: UCLA Mattel Childrens Hospital Dept of Pediatrics (1995) CA

- Residency: California Pacific Medical Center Dept of Medicine (1996) CA
- Board Certification: Neonatal-Perinatal Medicine, American Board of Pediatrics (2005)
- Fellowship: UC Davis Neonatology Fellowship (2004) CA
- Board Certification: Pediatrics, American Board of Pediatrics (1996)
- Internship: Childrens Hospital of Michigan Pediatric Residency (1994) MI
- Medical Education: Kilpauk Medical College (1991) India

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

PDA in preterm

Transcutaneous bilirubin use in the NICU

Digital health tools

Publications

PUBLICATIONS

- **Patent Ductus Arteriosus, Hydrocortisone, and Outcome among Infants Born Extremely Preterm: Secondary Analysis of the Hydrocortisone Trial.** *The Journal of pediatrics*
Sankar, M. N., Chock, V., Myers, F., Davis, A. S., McDonald, S., Rysavy, M. A., Laughon, M., Bhombal, S., Van Meurs, K. P., Das, A., Benitz, W. E., Watterberg, K.
2025: 114535
- **Antibiotic Prophylaxis for Gastrointestinal Surgery Among Neonates and Very Young Infants: National Patterns, Outcomes, and Opportunities for Precision Stewardship.** *The Journal of pediatrics*
Thobani, H., Mathew, R., Ehsan, A. N., Moturu, A., Khan, M. O., Bio, L., Sankar, M., Tirrell, T. F., Shah, A. A., Thorson, C. M., Raymond, S. L., Islam, S., Sylvester, et al
2025: 114839
- **Comparison of neurodevelopmental outcomes of extremely preterm infants undergoing trans-catheter closure of the patent ductus arteriosus compared to surgical ligation.** *Journal of perinatology : official journal of the California Perinatal Association*
Kaluarachchi, D. C., Chock, V. Y., Do, B. T., Rysavy, M. A., Sankar, M. N., Laughon, M. M., Backes, C. H., Colaizy, T. T., Bell, E. F., McNamara, P. J., Hintz, S. R., Natarajan, G.
2025
- **Respiratory Outcomes After Transcatheter vs Surgical Patent Ductus Arteriosus Closure in Preterm Infants.** *JAMA network open*
Chock, V. Y., Bhombal, S., Davis, A. S., Sankar, M. N., Do, B. T., Laughon, M. M., Van Meurs, K. P., Backes, C. H., McNamara, P. J.
2025; 8 (6): e2513366
- **Transcutaneous bilirubin levels in extremely preterm infants less than 30 weeks gestation.** *Journal of perinatology : official journal of the California Perinatal Association*
Sankar, M. N., Ramanathan, R., Joe, P., Katheria, A. C., Villosis, M. F., Cortes, M., Bhatt, D. R., Truong, H., Paje, V., Tan, R. C., Arora, V., Nguyen, M., Biniwale, et al
2022
- **Barriers to optimal breast milk provision in the neonatal intensive care unit.** *Journal of perinatology : official journal of the California Perinatal Association*
Sankar, M. N., Weiner, Y., Chopra, N., Kan, P., Williams, Z., Lee, H. C.
2021
- **Does crossover treatment of control subjects invalidate results of randomized trials of patent ductus arteriosus treatment?** *Journal of perinatology : official journal of the California Perinatal Association*
Sankar, M. N., Benitz, W. E.
2020

- **Prolonged tracheal intubation and the association between patent ductus arteriosus and bronchopulmonary dysplasia: a secondary analysis of the PDA-TOLERATE trial.** *The Journal of pediatrics*
Clyman, R. I., Kaempf, J., Liebowitz, M., Erdeve, O., Bulbul, A., Håkansson, S., Lindqvist, J., Farooqi, A., Katheria, A., Sauberan, J., Singh, J., Nelson, K., Wickremasinghe, et al
2020
- **Behavior Profiles at 2Years for Children Born Extremely PretermwithBronchopulmonary Dysplasia.** *The Journal of pediatrics*
Brumbaugh, J. E., Bell, E. F., Grey, S. F., DeMauro, S. B., Vohr, B. R., Harmon, H. M., Bann, C. M., Rysavy, M. A., Logan, J. W., Colaizy, T. T., Peralta-Carcelen, M. A., McGowan, E. C., Duncan, et al
2020
- **Lack of Equipoise in the PDA-TOLERATE Trial: A Comparison of Eligible Infants Enrolled in the Trial and Those Treated Outside the Trial.** *The Journal of pediatrics*
Liebowitz, M., Katheria, A., Sauberan, J., Singh, J., Nelson, K., Hassinger, D. C., Aucott, S. W., Kaempf, J., Kimball, A., Fernandez, E., Carey, W. A., Perez, J., Serize, et al
2019
- **Comparative effectiveness of drugs used to constrict the patent ductus arteriosus: a secondary analysis of the PDA-TOLERATE trial (NCT01958320)** *JOURNAL OF PERINATOLOGY*
Liebowitz, M., Kaempf, J., Erdeve, O., Bulbul, A., Hakansson, S., Lindqvist, J., Farooqi, A., Katheria, A., Sauberan, J., Singh, J., Nelson, K., Wickremasinghe, A., Dong, et al
2019; 39 (5): 599–607
- **PDA: To treat or not to treat.** *Congenital heart disease*
Sankar, M. N., Bhombal, S., Benitz, W. E.
2019; 14 (1): 46–51
- **PDA-TOLERATE Trial: An Exploratory Randomized Controlled Trial of Treatment of Moderate-to-Large Patent Ductus Arteriosus at 1 Week of Age.** *The Journal of pediatrics*
Clyman, R. I., Liebowitz, M., Kaempf, J., Erdeve, O., Bulbul, A., Håkansson, S., Lindqvist, J., Farooqi, A., Katheria, A., Sauberan, J., Singh, J., Nelson, K., Wickremasinghe, et al
2018
- **Parents' Knowledge and Education of Retinopathy of Prematurity in Four California Neonatal Intensive Care Units** *AMERICAN JOURNAL OF OPHTHALMOLOGY*
Eneriz-Wiemer, M., Liu, S., Chu, M. C. Y., Uribe-Leitz, T., Rajani, K., Sankar, M., Robbins, S. L., Lee, H. C., Woodard, C., Wang, C.
2018; 191: 7–13
- **Comparative effectiveness and safety of indomethacin versus ibuprofen for the treatment of patent ductus arteriosus** *EARLY HUMAN DEVELOPMENT*
Gulack, B. C., Laughon, M. M., Clark, R. H., Sankar, M. N., Hornik, C. P., Smith, P. B.
2015; 91 (12): 725-729
- **Utility of Genetic Testing for the Detection of Late-Onset Hearing Loss in Neonates** *AMERICAN JOURNAL OF AUDIOLOGY*
Lim, B. G., Clark, R. H., Kelleher, A. S., Lin, Z., Spitzer, A. R.
2013; 22 (2): 209-215
- **The influence of amino-acid supplementation, gestational age and time on thyroxine levels in premature neonates** *JOURNAL OF PERINATOLOGY*
Kelleher, A. S., Clark, R. H., Steinbach, M., Chace, D. H., Spitzer, A. R.
2008; 28 (4): 270-274
- **Demographic and nutritional factors associated with prolonged cholestatic jaundice in the premature infant.** *Journal of perinatology : official journal of the California Perinatal Association*
Steinbach, M., Clark, R. H., Kelleher, A. S., Flores, C., White, R., Chace, D. H., Spitzer, A. R.
2008; 28 (2): 129-35
- **Effects of two different doses of amino acid supplementation on growth and blood amino acid levels in premature neonates admitted to the neonatal intensive care unit: a randomized, controlled trial.** *Pediatrics*
Clark, R. H., Chace, D. H., Spitzer, A. R.
2007; 120 (6): 1286-96

- **Pharmacologic closure of the Patent Ductus Arteriosus in the Premature Neonate** *NeoReviews*
Sankar, M. N.
2003
- **Prophylactic indomethacin: Factors determining permanent ductus arteriosus closure** *JOURNAL OF PEDIATRICS*
Narayanan, M., Cooper, B., Weiss, H., Clyman, R. I.
2000; 136 (3): 330-337
- **Patent Ductus Arteriosus- A physiologic basis for current treatment practices** *Current topics in Neonatology*
Clyman , R. I., Narayanan , M., McIntosh, N.
edited by Hansen, T. N.
WB Saunders, Harcourt Publishers Limited .2000; 4
- **Incidence and outcome of a 10-fold indomethacin overdose in premature infants** *JOURNAL OF PEDIATRICS*
Narayanan, M., Schlueter, M., Clyman, R. I.
1999; 135 (1): 105-107
- **Congenital Lobar Emphysema- An Atypical Presentation** *Resident and Staff Physician*
Narayanan, M., Conrad, C., Hardy, K.
1997; 43 (7)