



Katherine Rachel McCallie

Clinical Professor, Pediatrics - Neonatal and Developmental Medicine

CLINICAL OFFICE (PRIMARY)

- **El Camino Hospital Neonatal ICU**
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Bio

CLINICAL FOCUS

- Neonatal-Perinatal Medicine

ACADEMIC APPOINTMENTS

- Clinical Professor, Pediatrics - Neonatal and Developmental Medicine

ADMINISTRATIVE APPOINTMENTS

- Epic Physician Builder, El Camino Hospital, (2018- present)
- Chief, Pediatrics, El Camino Hospital, (2018-2019)
- Vice Chief, Pediatrics, El Camino Hospital, (2016-2018)
- Physician Lead for Quality Improvement in Neonatology, LPCH, (2012-2015)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Neonatology Fellowship (2010) CA
- Residency: University of Washington Pediatric Residency (2005) WA
- Internship: University of Washington Pediatric Residency (2003) WA
- Medical Education: Perelman School of Medicine University of Pennsylvania (2002) PA
- Board Certification: Neonatal-Perinatal Medicine, American Board of Pediatrics (2012)
- Board Certification: Pediatrics, American Board of Pediatrics (2005)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Leveraging electronic health record (Epic) for improvement in NICU outcomes
Quality improvement in the NICU
Nutrition & growth in premature infants

CLINICAL TRIALS

- Phase 3 Study to Compare Safety and Efficacy of Smoflipid 20% to Intralipid 20% in Hospitalized Neonates and Infants, Not Recruiting

PROJECTS

- Family Perception of NICU OpenNotes - El Camino Health (11/2021 - present)
- Using Technology to Improve NICU Discharge Education - El Camino Hospital NICU (4/1/2018 - present)
- Management of Infants at Risk for Early Onset Sepsis Born to Mothers with Suspected Chorioamnionitis - El Camino Hospital (2016 - 2018)
- Neuro-Humoral Biomarkers for Neonatal Skin-to-Skin Contact: An Observational Study - Gates Foundation Grand Challenges Explorations Grant (6/1/2015 - 10/31/2016)

Publications

PUBLICATIONS

- **Safety and Efficacy of a Composite Lipid Emulsion with Fish Oil in Hospitalized Neonates and Infants Requiring Prolonged Parenteral Nutrition - A Randomized, Double-Blind, Multicenter, Controlled Trial.** *The Journal of nutrition*
Abrams, S. A., Ernst, K. D., Weitkamp, J. H., Mascarenhas, M., Anderson-Berry, A., Rudolph, J., Ling, C. Y., Robinson, D. T., Shores, D., Hair, A. B., Lai, J., Lane, B., McCallie, et al
2024
- **Family Perception of OpenNotes in the Neonatal Intensive Care Unit.** *Applied clinical informatics*
McCallie, K., Balasundaram, M., Sarabu, C.
2024
- **A Clinical Monitoring Approach for Early Onset Sepsis: A Community Hospital Experience.** *Hospital pediatrics*
Bain, L., Sivakumar, D., McCallie, K., Balasundaram, M., Frymoyer, A.
1800
- **Increasing Parent Satisfaction With Discharge Planning: An Improvement Project Using Technology in a Level 3 NICU.** *Advances in neonatal care : official journal of the National Association of Neonatal Nurses*
Balasundaram, M. n., Porter, M. n., Miller, S. n., Sivakumar, D. n., Fleming, A. n., McCallie, K. n.
2021
- **Skin-to-skin contact after birth and the natural course of neurosteroid levels in healthy term newborns.** *Journal of perinatology*
McCallie, K. R., Gaikwad, N. W., Castillo Cuadrado, M. E., Aleman, M., Madigan, J. E., Stevenson, D. K., Bhutani, V. K.
2017
- **Feeding Protocols for VLBW Infants** *Neonatology: Clinical Practice and Procedures*
McCallie, K.
edited by Stevenson, D., Cohen, R., Sunshine, P.
McGraw-Hill Education.2015; 1st ed.: 1017–1020
- **Inhaled Nitric Oxide** *Neonatology: Clinical Practice and Procedures*
McCallie, K., Van Meurs, K.
edited by Stevenson, D., Cohen, R., Sunshine, P.
McGraw-Hill Education.2015; 1st ed.: 1125–1127
- **Feeding Premature Infants: Why, When, and What to Add to Human Milk** *JOURNAL OF PARENTERAL AND ENTERAL NUTRITION*
Cohen, R. S., McCallie, K. R.
2012; 36: 20S-24S
- **Neonatology** *Pediatrics for Medical Students*
Cohen, R., McCallie, K., Rhine, W.
edited by Bernstein, D., Shelov, S.
Lippincott Williams & Wilkins.2012; 3rd ed.: 223–250
- **Improved outcomes with a standardized feeding protocol for very low birth weight infants** *JOURNAL OF PERINATOLOGY*

McCallie, K. R., Lee, H. C., Mayer, O., Cohen, R. S., Hintz, S. R., Rhine, W. D.
2011; 31: S61-S67