



## Kara Kuhn-Riordon, M.D.

### Clinical Interests

Dr. Riordon is a neonatologist with interest in improving the care of critically ill neonates using technology. She is interested in improving the delivery of maternal breast milk to infants and improving breast milk nutrition utilizing human milk analysis and targeted fortification. Dr. Riordon is also interested in the use of neonatal point of care ultrasound (POCUS) and is active in teaching fellows, nurse practitioners, and faculty how to utilize this powerful tool. Additionally, Dr. Riordon is interested in improving the care of opioid exposed neonates, especially those who go on to develop neonatal abstinence syndrome. Dr. Riordon is a strong advocate for working together with families to provide the best care for their baby.

### Research/Academic Interests

Dr. Riordon is a neonatologist with interest in improving the care of critically ill neonates using technology. Her ongoing projects are as follows:

- Human milk analysis and targeted fortification in the NICU - Clinical Project with QI focus
- Optimizing Pregnancy and Infant Outcomes In Drug (OPIOID) Addiction ECHO Clinic – improving care of pregnant and parenting women with opioid use disorder (OUD) and their opioid exposed neonates in rural Northern CA communities.
- Cohort Study of Premature Infants – Study aimed at creating a biorepository of samples from premature infants including stool, urine, breast milk, and serum to look at microbiota, metabolomics, and milk analysis to better understand difference in growth, CLD, among other conditions.
- Ongoing development and improvement of neonatal Point of Care Ultrasound (POCUS) Curriculum.
- Co-Director of the Neonatal Fellow Quality Improvement projects

**Title** Health Sciences Associate Clinical Professor

**Specialty** Neonatology, Pediatrics, Neonatal-Perinatal Medicine

**Department** [Pediatrics](#)

**Division** Fetal Care and Treatment Center  
Neonatology

**Center/Program Affiliation** [UC Davis Children's Hospital](#)



## Kara Kuhn-Riordon, M.D.

Address/Phone	UC Davis Children's Hospital, 2315 Stockton Blvd. Sacramento, CA 95817 <b>Phone:</b> 800-282-3284
Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-4-UCDAVIS)
Education	M.D., St. Louis University School of Medicine, St. Louis MO 2011 B.S., UC Davis, Davis CA 2006
Internships	Pediatrics, UC Davis Medical Center, Sacramento CA 2011-2012
Residency	Pediatrics, UC Davis Medical Center, Sacramento CA 2012-2014
Fellowships	Neonatal-Perinatal, UC Davis Medical Center, Sacramento CA 2014-2017
Board Certifications	American Board of Pediatrics, General Pediatrics American Board of Pediatrics, Neonatal-Perinatal Medicine
Professional Memberships	Academy of Breastfeeding Medicine Alpha Omega Alpha American Academy of Pediatrics American Institute of Ultrasound in Medicine California Association of Neonatologists California Medical Association Phi Beta Kappa Phi Sigma Biological Honor Society Sierra Sacramento Valley Medical Association
Honors and Awards	CMN Clinical Services Grant – Transforming Patient Centered Care for High Acuity Low Occurrence (HALO) Events Through High Fidelity Neonatal and Pediatric Point of Care Ultrasound Simulation., 2022 HRSA Rural Communities Opioid Response Program – NAS. Optimizing Pregnancy and Infant Outcomes In Substance Use Disorder (OPIOID) & Neonatal Abstinence Syndrome (NAS) project, 2020 HRSA Rural Communities Opioid Response Program – Planning Grant. Optimizing Pregnancy and Infant Outcomes In Drug (OPIOID) Addiction, 2019 CMN Clinical Services Grant – “Enhancing Growth in Preterm Infants with Breast Milk Analysis and Targeted Fortification, 2019 Enhancing and Transforming Care in the Neonatal Intensive Care Unit with Point of Ultrasound Grant awarded by the Children's Miracle Network, 2015



## Kara Kuhn-Riordon, M.D.

WAFMR/WAP Outstanding Resident Award Winner, 2014

Alpha Omega Alpha Medical Honor Society Member, 2010

Phi Sigma Biological Honor Society Member (Gamma Delta Chapter), 2006

### Select Recent Publications

To see a full list of publications for Dr. Kara Kuhn-riordon, please [click here](#).

Cheema R, Partridge E, Kair LR, Kuhn-Riordon KM, Silva AI, Bettinelli ME, Chantry CJ, Underwood MA, Lakshminrusimha S, Blumberg D. Protecting Breastfeeding during the COVID-19 Pandemic. *Am J Perinatol*. 2023 Feb;40(3):260-266. doi: 10.1055/s-0040-1714277. Epub 2020 Jul 21. PMID: 32693415; PMCID: PMC7872205.

Larke JA, Kuhn-Riordon K, Taft DH, Sohn K, Iqbal S, Underwood MA, Mills DA, Slupsky CM. Preterm Infant Fecal Microbiota and Metabolite Profiles Are Modulated in a Probiotic Specific Manner. *J Pediatr Gastroenterol Nutr*. 2022 Oct 1;75(4):535-542. doi: 10.1097/MPG.0000000000003570. Epub 2022 Jul 25. PMID: 35881967; PMCID: PMC9489674.

Richard A. Polin %26amp%3B Steven H. Abman %26amp%3B David Rowitch %26amp%3B William E. Benitz, Kuhn-Riordon, et. al. *Fetal and Neonatal Physiology*, 6th Edition; Elsevier. (Book Chapter) 2022.

Hoyt-Austin AE, Miller IT, Kuhn-Riordon KM, Rosenthal JL, Chantry CJ, Marcin JP, Hoffman KR, Kair LR. Bonding, Relaxation, Separation, and Connection: Expressing Human Milk While Videoconferencing with the Hospitalized Premature Infant. *Breastfeed Med*. 2022 Aug;17(8):653-659. doi: 10.1089/bfm.2021.0214. Epub 2022 May 23. PMID: 35605051; PMCID: PMC9464082.

Haynes SC, Dharmar M, Hill BC, Hoffman KR, Donahue LT, Kuhn-Riordon KM, Rottkamp CA, Vali P, Tancredi DJ, Romano PS, Steinhorn R, Marcin JP. The Impact of Telemedicine on Transfer Rates of Newborns at Rural Community Hospitals. *Acad Pediatr*. 2020 Jul;20(5):636-641. doi: 10.1016/j.acap.2020.02.013. Epub 2020 Feb 17. PMID:32081766.



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McGahan J, Schnick M, Mills L, Kuhn-Riordon K, et al. Fundamentals of Emergency Ultrasound, Elsevier. (Book Chapter) 2017.

Kuhn-Riordon K, Wiedeman J, Nguyen H, Natale J, Tancredi D. Reduction of Clostridium Difficile Infection Using Antimicrobial Stewardship in a Children's Hospital within a Hospital. J Investigative Med. 2014 Jan;62(1).

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