

CHILDREN'S MINNESOTA

Neonatology



Neonatal program overview

Children's Minnesota is home to the largest high-risk neonatal care program in the Upper Midwest. More than 500 neonatal care experts, including neonatologists and neonatal nurse practitioners care for newborns with a full range of conditions in our hospitals and special care nurseries (SCN), which include Levels II-IV neonatal intensive care units (NICUs).

- The largest high-risk neonatal care program in the region with nearly **200 neonatal beds**. We care for babies born with congenital abnormalities and various critical special needs.
- **24/7 access** to all pediatric surgical and medical specialists, including: surgery, anesthesiology, cardiology, neurosurgery, neurology, genomic medicine, ENT, ophthalmology, palliative care and integrative medicine.
- **500+ babies transported** annually by the Neonatal Transport Team. Babies are transported by helicopters, fixed-wing aircraft and specialized critical care ground transportation with in-route capability for full ventilatory and hemodynamic support, body cooling and ECMO.
- **24/7 neonatal virtual care for regional community hospitals**, a technology that allows critical video consultations during stabilization of newborns.

Services

- Level II–IV NICU care
- High-risk delivery attendance at The Mother Baby Centers
- 24/7 Regional neonatal transport with specialized neonatal nurse practitioner and respiratory therapy team
- Extracorporeal Membrane Oxygenation (ECMO)
- Inpatient lactation consultations and complex feeding support
- Developmental and rehabilitative care including: physical therapy, occupational therapy, speech therapy, child life specialists, dietitians, music therapy and massage therapy

Specialty programs

- Comprehensive neonatal-cardiac program
 - Complex cardiology and cardiac surgery
 - Neonatal hemodynamics program
- High-risk fetal diagnosis, intervention and surgical care offered through The Mother Baby Center Specialty Services
- Neurodevelopmental and small baby programs
- Retinopathy of prematurity program

Continuing care

- The Kid Experts® At Home monitoring program
 - NG tube home feeding support program
 - Apnea testing and home monitoring
- Outpatient lactation consultations and complex feeding support

Regional reach

- Neonatal virtual stabilization across MN & WI
- Neonatal medical directorship at community hospitals across MN & WI
- Neonatal Advanced Practice Provider presence at community hospitals
- Telerounding capabilities

Meet the neonatologists

When you refer a family to us, we all join forces. We devote ourselves to the wellbeing of your patient — devoted to the best outcome, the most specialized care from as many experts as they need, and the compassion, support and respect they deserve.

LEADERSHIP



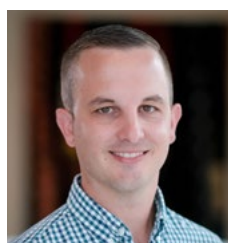
Ann Downey, MD, MS
Interim Medical Director, Neonatology
Director of Neonatal Quality
Assistant Professor, University of Minnesota, Department of Pediatrics
Neonatal training: University of Colorado
Clinical interests: Using healthcare quality and patient safety science to advance care for all neonatal patients. Specific areas of focus: perinatal mental health support for parents, equitable care for disadvantaged populations and reducing common neonatal morbidities



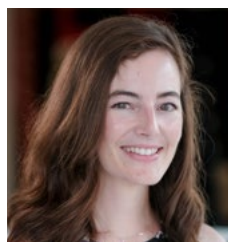
Andrea Lampland, MD
Medical Director, Neonatal Research
Associate Program Director, University of Minnesota Neonatal Perinatal Fellowship Program
Assistant Professor, University of Minnesota, Department of Pediatrics
Neonatal training: University of Minnesota
Clinical interests: Clinical trials and translational research projects that aim to improve neonatal care, education of medical trainees (in particular medical students, residents, and fellows) and local quality improvement initiatives



Thomas George, MD
Medical Director, Neonatal Outreach
Sit Investment Associates Endowed Chair in Neonatology
Medical Director of Methodist Hospital Special Care Nursery, Regions Hospital Special Care Nursery, Lakeview Hospital Special Care Nursery and Hudson Hospital Enhanced Care Nursery
Professor and Associate Residency Program Director, University of Minnesota, Department of Pediatrics
Neonatal training: University of Iowa
Clinical interests: Role of inhaled nitric oxide in premature infants, care at the borderline of viability and pediatric resident/neonatal fellow trainee education



Ryan Meinen, DO
Medical Director, Ridgeview Medical Center NICU, St. Francis Special Care Nursery, Mercy Level III NICU
Neonatal training: University of Wisconsin-Madison
Clinical interests: Point of care ultrasound (POCUS) use in the NICU, PDA management strategies, ventilation of the neonate and quality improvement



Emilee Parsons, DO
Medical Director, Neonatal Transport and Neonatal Virtual Care
Neonatal training: University of Chicago
Clinical interests: Neonatal resuscitation and transport, pulmonary hypertension and quality improvement



Evangelia (Lia) Gravari, MD
Medical Director, Minneapolis Level IV NICU and ECMO
Neonatal training: University of Louisville
Clinical interests: ECMO, pulmonary hypertension, POCUS and line placement, equity in patient care and ethics



Daniela Villacis Calderon, MD
Medical Director, St. Paul Level III NICU
Adjunct Assistant Professor, University of Minnesota, Department of Pediatrics
Neonatal training: University of Minnesota
Clinical interests: Improving outcomes, developing and implementing evidence-based clinical guidelines, introducing innovative technologies and care processes, training and supporting multidisciplinary care teams, providing family-centered neonatal care



Heidi Kamrath, DO
Medical Director, Neonatal Outpatient Clinic Services
Adjunct Assistant Professor, University of Minnesota, Department of Pediatrics
Neonatal training: University of Minnesota
Clinical interests: Prenatal consultation, intensive care follow-up, education and clinical bioethics



Elizabeth Petri Zorn, MD
Medical Director, Infant Care Center and Special Care Nursery
Adjunct Assistant Professor, University of Minnesota, Department of Pediatrics
Neonatal training: University of Minnesota
Clinical interests: Caring for infants with medical complexity or congenital anomalies, planning for transition to home

NEONATOLOGISTS



Annica Alwine, MD

Staff neonatologist

Neonatal training: Vanderbilt University Medical Center

Clinical interests: Care for extremely premature infants, management of chronic lung disease and ECMO



Christopher Lust, MD

Staff neonatologist

Neonatal training: Washington University in St. Louis

Clinical interest: Neonatal Opioid Withdrawal Syndrome and ECMO



Jennifer Berger, DO

Staff neonatologist

Neonatal training: University of Iowa

Neonatal hemodynamics training: University of Iowa

Clinical interests: Management of extremely premature infants, neonatal hemodynamics and necrotizing enterocolitis

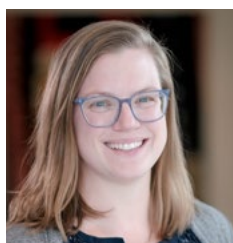


Alexandra Muhar, MD

Staff neonatologist

Neonatal training: Vanderbilt University Medical Center

Clinical interests: Improving care and outcomes for opioid exposed infants & their families, education for trainees and outreach for community hospitals

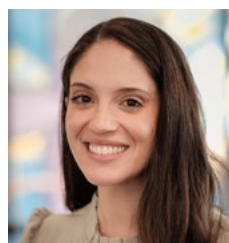


Katherine Braski, MD

Staff neonatologist

Neonatal training: University of Utah

Clinical interests: Prevention and treatment of feeding difficulties, necrotizing enterocolitis in premature infants; research in Near-Infrared Spectroscopy



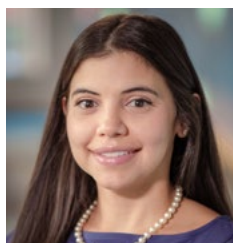
Faith Myers, MD

Staff neonatologist

Adjunct Assistant Professor, University of Minnesota, Department of Pediatrics

Neonatal training: Stanford University

Clinical interests: Point-of-care ultrasound, neonatal resuscitation and prenatal consultation



Stephaniea Cavallaro Moronta, MD

Staff neonatologist

Neonatal training: University of Iowa

Neonatal hemodynamics training: University of Iowa

Clinical interests: Physiology surrounding patent ductus arteriosus, acute pulmonary hypertension of extreme premature infants and vein of Galen malformation



Megan Paulsen, MD

Staff neonatologist

Adjunct Assistant Professor, University of Minnesota, Department of Pediatrics

Neonatal training: University of Colorado

Clinical interests: Extremely preterm infant, clinical outcomes, family engagement and leadership development



Eric Culp, DO

Staff neonatologist

Neonatal training: Loyola University

Clinical interests: Less invasive ventilation strategies, management of the micro-premie and congenital diaphragmatic hernias



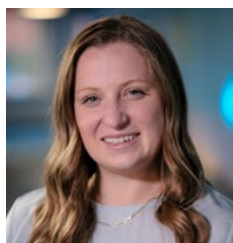
Erin Plummer, MD

Staff neonatologist

Adjunct Assistant Professor, University of Minnesota, Department of Pediatrics

Neonatal training: University of Minnesota

Clinical interests: Optimizing infant growth and body composition in the NICU and advancing effective, family-centered medical communication



Leah Jordan, MD

Staff neonatologist

Neonatal training: University of Minnesota

Clinical interests: Improving lactation care for patients and families through the use of quality improvement and trauma-informed care



Thomas Pokora, MD

Staff neonatologist

Assistant Professor, University of Minnesota, Department of Pediatrics

Neonatal training: University of Minnesota

Clinical interests: Chronic lung disease of infants, intestinal rehabilitation/short bowel syndrome, point of care ultrasound and education

NEONATOLOGISTS

NOT PICTURED

Melissa Schwedhelm, MD

Staff neonatologist

Neonatal training: Dartmouth-Hitchcock Medical Center

Clinical interests: Neonatal global health, physician well-being, clinical informatics and artificial intelligence in healthcare



Jameel Winter, MD

Staff neonatologist

Neonatal training: University of Virginia

Clinical interests: Neonatal resuscitation, tele-neonatology and optimizing neonatal care in resource constrained settings around the world



Sara Stucker, MD

Staff neonatologist

Adjunct Assistant Professor, University of Minnesota, Department of Pediatrics

Neonatal training: University of Minnesota

Clinical interests: Quality improvement and guideline implementation, optimizing non-invasive respiratory support and improving outcomes for premature infants

NOT PICTURED

Rachel Witt, MD

Staff neonatologist

Neonatal training: Washington University School of Medicine

Clinical interests: Quality improvement related to provision of equitable, family-centered care in the NICU



Jill Therien, MD

Staff neonatologist

Assistant Professor, University of Minnesota, Department of Pediatrics

Neonatal training: University of Minnesota

Clinical interests: Quality improvement and clinical research, particularly in extremely low birth weight infants during the first month of life



Tara Zamora, MD

Staff neonatologist

Neonatal training: University of Minnesota

Clinical interests: Extremely preterm infant, blood transfusion practices and neonatal nutrition

Neonatal intensive care settings

MINNEAPOLIS

Children's Minnesota Hospital

2525 Chicago Avenue South
Minneapolis, MN 55404
612-813-6000

Level IV Neonatal Intensive
Care Unit (NICU) • 44 beds

Level II Special Care
Nursery (SCN) • 33 beds

Infant Care Center (ICC) • 41 beds

ST. PAUL

Children's Minnesota Hospital

345 North Smith Avenue
St. Paul, MN 55102
651-220-6000

Level III NICU • 50 beds

Level II SCN • 12 beds

COON RAPIDS

Mercy Hospital

4020 Coon Rapids Blvd NW
Coon Rapids, MN 55433
763-236-8400

Level III NICU • 16 beds

Clinical resources

- Request a speaker through Kid Experts On Demand
- Neonatal case review presentations
- Neonatal virtual care
- Patient family education resources
- Neonatal Stabilization Guide
- Clinical guidelines

Visit childrensMN.org/neonatal-resources or contact healthprofessionals@childrensMN.org for more information.

866-755-2121 CHILDREN'S MINNESOTA PHYSICIAN ACCESS

Reach us 24/7 for patient referrals, consults, admissions and neonatal transport.