

CURRICULUM VITAE
Kelleigh Briden, MD

EDUCATION

Undergraduate New York University, New York, NY, Bachelor of Arts:
Major – Biology; Minor – Italian, 2004 – 2008

Medical School University of Connecticut School of Medicine,
Farmington, CT, Medical Doctor, 2008 - 2012

POSTGRADUATE TRAINING

Residency St Louis Children’s Hospital, St Louis, MO, Pediatric
Resident, 2012 – 2015

Fellowship Washington University, St. Louis, MO, Newborn Medicine
Fellow, 2015 - 2018

POST GRADUATE HONORS AND AWARDS

Saint Louis Top Doctors, St Louis Magazine August 2024

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Neonatal Resuscitation Program, 2012 – Present
Missouri State Board of Healing Arts Medical License
(Temporary), 2012 - 2015
BNDD, 2015 – Present
Individual DEA, 2015 – Present
Missouri State Board of Healing Arts Medical License
#2015014034, 2015 – Present
General Pediatrics Board Certification #112613, 2015 –
Present
Illinois Medical License #036146149, 2018 – Present
Neonatal Resuscitation Program Instructor, 2019 – Present
Neonatal-Perinatal Medicine Board Certification #6933,
2020 – Present
Rhode Island Medical License #MD19818, 2024 – Present
RI CSR, 2024 – Present

ACADEMIC APPOINTMENTS

Instructor of Pediatrics, Newborn Medicine, Washington
University in St. Louis, MO, 2018 – 2020
Assistant Professor of Pediatrics, Newborn Medicine,
Washington University in St. Louis, MO, 2020 – 2024
Assistant Professor of Pediatrics, Brown University,
Providence, RI, 2024 – Present

HOSPITAL APPOINTMENTS

Attending Physician, St Louis Children's Hospital
Neonatal Intensive Care Unit (Level IV), 2018 – 2024
Attending Physician, Barnes Jewish Hospital Newborn
Assessment Center (Level II), 2018 – 2024
Attending Physician, Memorial Hospital Shiloh Family
Birthing Center (Level II), 2018 – 2024
Attending Physician, Missouri Baptist Medical Center
Neonatal Intensive Care Unit (Level III), 2018 – 2024
Attending Physician, Progress West Hospital Special Care
Nursery (Level II), 2018 – 2024
Attending Physician, St Louis Children's Hospital
Newborn Medicine Follow-up Clinic, 2018 – 2023
Consulting Physician, Barnes Jewish Hospital Fetal Care
Center, 2018 – 2024
Collaborative Practice Physician for Two NNPs, 2019 –
2024
Telemedicine Consulting Physician, Parkland Medical
Center / Alton Memorial Hospital, 2024 – 2024
Attending Physician, Women and Infant's Hospital
Neonatal Intensive Care Unit (Level III)

HOSPITAL COMMITTEES

Newborn Simulation Education Committee, Committee
Member, 2018-2024
Newborn Medicine Fellow Applicant Interviewer, 2018-
2024
Fellow Program Evaluation Committee, Committee
Member, 2018-2024
Clinical Competency Committee for Newborn Medicine
Fellows, 2019-2024
NICU Respiratory Guideline Committee, 2019-2024
NICU Nutrition Committee Member, 2019-2024
Clinical Competency Committee for Pediatric Residents,
2021-2024
Bronchopulmonary dysplasia team, 2023-2024
Clinical Competency Committee for Neonatal Fellows
WIH, 2024 – Present
Infant CODE committee WIH, 2024 – Present
Congenital Diaphragmatic Hernia Clinical Guideline
Development, 2024 – Present
LDR Simulation Subcommittee WIH, 2025- Present

UNIVERSITY COMMITTEES

Faculty Liaison for student shadowing within SLCH
NICU, 2019-2023

PUBLICATIONS LIST

Markush D, **Briden KE**, Chung M, Herbst KW, Lerer TJ, Neff S, Wu AC, Campbell BT. Effect of surgical subspecialty training on patent ductus arteriosus ligation outcomes. *Pediatric Surg Int*. 2014;30(5):503-9. PMID: 24488062

Campbell BT, Herbst KW, **Briden KE**, Neff S, Ruscher KA, Hagadorn JI. Inhaled nitric oxide use in neonates with congenital diaphragmatic hernia. *Pediatrics*. 2014;134(2):e420-6. PMID:25022736

Olson PD, McLellan LK, Liu A, **Briden KE**, Tiemann KM, Daugherty AL, Hruska KA, Hunstad DA. Renal scar formation and kidney function following antibiotic-treated murine pyelonephritis. *Dis Model Mech*. 2017; 10(11): 1371-1379. PMCID:PMC5719254 PMID:28882930

Yarbrough ML, **Briden KE**, Mitsios JV, Weindel AL, Terrill CM, Hunstad DA, Dietzen DJ. Mass spectrometric measurement of urinary kynurenine-to-tryptophan ratio in children with and without urinary tract infection. *Clin Biochem*. 2018;56:83-88. PMCID: PMC6007864 PMID: 29679555

Olson PD, McLellan LK, Hreha TN, Liu A, **Briden KE**, Hruska KA, Hunstad DA. Androgen exposure potentiates formation of intratubular communities and renal abscesses by *Escherichia coli*. *Kidney Int*. 2018;94(3):502-513. PMCID: PMC6109434 PMID: 30041870

Wilson NA, Douglas ZH, **Briden KE**, Witt R, Lodhi HS, Cole FS, Shakhsher BA, Dunskey K. Video-assisted Thoracoscopic Resection of a Congenital Tracheobiliary Fistula in a Neonate: Technical Report and Review of the Literature. *Surg Laparosc Endosc Percutan Tech*. 2021. PMID:34545034

BOOKS AND BOOK CHAPTERS

Briden K, Riley M. Chapter 7: Neonatology In: White AJ, eds. *Washington Manual of Pediatrics* 3rd ed. 2022.

ABSTRACTS

Briden, K., O'Connor, N., Shane, S., Najaf, T.. *Centrifugal vs. Roller Pump in Neonatal ECMO and Complications of Hemolysis*. 34th annual Children's National Symposium: ECMO and the advanced therapies for Cardiovascular and Respiratory Failure.: Keystone, CO; 2017

O'Connor, N., Shepard, M., **Briden, K.**, Brennan, C., Sloan, P., Sandler-Wilson, C., and Najaf, T.. *Centrifugal vs. Roller Pump in Neonatal Respiratory ECMO and Complication of Hemolysis* 33rd annual Children's National Symposium: ECMO and the advanced therapies

for Cardiovascular and Respiratory Failure.: Keystone, CO; 2018

UNIVERSITY TEACHING, ADVISING and MENTORING ROLES

Small group Leader, Practice of Medicine II – Ethics, Washington University School of Medicine (1 Session per year), 2019-2023

Newborn Medicine Elective Director (Phase 3 WUSM curriculum), 2019-2024

Newborn and Pediatric ICU ACR Co-Director (Phase 3 WUSM curriculum), 2022-2024

Newborn Medicine medical student interest group (WUSM) co-leader, 2024

HOSPITAL TEACHING, ADVISING and MENTORING ROLES

NICU Resident Education: Created a 2 year curriculum for resident teaching; continue to maintain and update, 2018-2024

Lecturer, St Louis Children's Hospital Pediatric Residency *Care of the preterm infant for the primary care physician*, 2018

Lecturer, Washington University Newborn Medicine Fellowship *Hyperbilirubinemia*, 2019, 2021

Lecturer, St Louis Children's Hospital Pediatric Residency *Morning Report* (3-4 sessions per year), 2019-Present

Lecturer, Washington University Newborn Medicine Fellowship *Neonatal Congenital Viral Infections*, 2020

Lecturer, St Louis Children's Hospital Pediatric Residency *Developmental Outcomes for the Preterm Infant*, 2020

Core Pediatric Residency Faculty (serve in recruitment, clinical competency and education), 2023-2024

Mentor, WIH Neonatal Fellowship – Dr. Beeler, *Journal Club: Congenital Diaphragmatic Hernia*, 2024

Mentor, WIH Neonatal Fellowship – Dr. Beeler, *Journal Club: Feeding during Therapeutic Hypothermia*, 2025

Curriculum Development, *Fellow advanced simulation* (4 sessions per year), 2024- Present

DEMONSTRATION OF COMMITMENT TO DEI

Teaching fellow and resident learners of diverse backgrounds.

Providing culturally competent care for the diverse patient population of the WIH NICU