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EDUCATION

Undergraduate	1984-1988	Villanova University, BSBA
	1994-1995	Rutgers University, Post Baccalaureate Pre Med
Medical School	1997-2001	University of Vermont College of Medicine, MD
	2001	Freeman Scholar
	2001	Lamb Fellowship Award

POSTGRADUATE TRAINING

Residency	2001-2004	University of Virginia Medical Center, Charlottesville, VA, Pediatrics
Fellowship	2004-2007	Women and Infants Hospital, Providence, RI, Neonatology
	2006-2007	(Co) Chief Fellow

POSTGRADUATE HONORS AND AWARDS

2002	Resident Scholarship, American Academy of Pediatrics
2004	Nancy Pugh Award for University of Virginia Children's Hospital Outstanding Community Service

PROFESSIONAL LICENSURE AND BOARD CERTIFICATIONS

License:	2014-	Medical License, Rhode Island (#MD14616)
	2007-2014	Medical License, Massachusetts (#233167)
Board Certification:	2008	Pediatric Subspecialty Boards Perinatal-Neonatal Medicine

Other Certifications:	2001-	Neonatal Resuscitation Provider (NRP)
	2007-	NICHD Neonatal Research Network Certified 18-22 month Neurologic Examiner
	2012–	NICHD NRN Movement ABC-II Gold Standard Examiner

ACADEMIC APPOINTMENTS

Current Academic Title:	2020-	Associate Professor, Pediatrics Warren Alpert School of Medicine of Brown University Providence, RI
	2014-2020	Assistant Professor, Pediatrics Warren Alpert School of Medicine of Brown University Providence, RI
	2007-2014	Assistant Professor, Pediatrics Tufts University School of Medicine, Boston, MA
	2004-2007	Clinical Instructor, Pediatrics Warren Alpert School of Medicine of Brown University Providence, RI

HOSPITAL APPOINTMENTS

	2019	Active/Consulting Rhode Island Hospital Providence, RI
	2014-	Staff Neonatologist Department of Pediatrics Women and Infants Hospital Providence, RI
		Associate Medical Director Women and Infants Neonatal Follow Up Clinic Providence, RI
	2007-2014	Assistant Professor, Pediatrics, Newborn Medicine Tufts Medical Center Floating Hospital for Children, Boston, MA
	2008-2014	Director, Neonatal Follow Up Program Tufts Medical Center Floating Hospital for Children, Boston, MA
	2010-2012	Assistant Professor, Pediatrics, Adoption Clinic Tufts Medical Center Floating Hospital for Children, Boston, MA

2007-2009 Assistant Director
Lawrence General Hospital, Lawrence MA
Level 2 Nursery

2007-2014 Courtesy Staff - Newborn Medicine
Lowell General Hospital, Lowell, MA

2007-2014 Courtesy Staff - Newborn Medicine
Melrose Wakefield Hospital, MA

2008-2014 Courtesy Staff - Newborn Medicine
Brockton Hospital, Brockton, MA

2008-2013 Courtesy Staff - Newborn Medicine
Jordan Hospital, Plymouth, MA

2009-2014 Courtesy Staff - Newborn Medicine
Lawrence General Hospital, Lawrence, MA

HOSPITAL COMMITTEES:

2007-2008 March of Dimes Tufts Medical Center Physician
Representative

2008-2014 Member, Fellowship Steering Committee, Tufts Medical
Center

2008-2014 Member, Neonatal Central Line Associated Blood Stream
Infection Task Force, Tufts Medical Center

2010-2013 Perinatal Quality Collaborative of North Carolina (PQNC)
and the American Hospital Association (AHA), Tufts Team
Leader

2011-2014 Member, NICU Quality Improvement Committee, Tufts
Medical Center

2012-2014 Ohio Children's Hospital Solution for Patient Safety
(OCHSPS) Tufts CLABSI Co-Team Leader

2013-2014 Member, Fellowship Improvement Committee, Tufts
Medical Center

2014-2019 Member, Breast Feeding Task Force, Women & Infants
Hospital

2014- Member, Inter-Agency Coordinating Committee, Women &
Infants Hospital

2014-	Member, Clinic Competency Committee, Women & Infants Hospital
2014-	Member, Fellow Applicant Ranking Committee, Women & Infants Hospital
2016-	Member, Practice Variation Task Force, Women & Infants Hospital
2016-	Member, NICU Quality Committee, Women & Infants Hospital
2019-	Member, Resident Clinical Competency Committee, Hasbro Children's Hospital

REGIONAL COMMITTEES:

2008-	Member, Neonatal Quality Improvement Collaborative of Massachusetts (NeoQIC)
2014-	Member, New England Perinatal Society Committee
2017-	Vice President (rotating), New England Perinatal Society Committee
2016-	Member, Rhode Island Birth Defects Council
2016-	Member, New England Follow-up Network (NEOFUN)
2018-	President (rotating), New England Perinatal Society
2019 -	Member, New England Perinatal Society Committee

JOURNAL REVIEWS

2010-	Pediatric Research
2011-	Early Human Development
2015-	American Journal of Perinatology
2016-	The Journal of Pediatrics
2017-	Trials
2019-	Paediatrics & Child Health

PROFESSIONAL SOCIETIES

2001-	American Academy of Pediatrics, member
2017-	Society for Pediatric Research, member

PUBLICATION LIST:

ORIGINAL PUBLICATIONS in PEER-REVIEWED JOURNALS

1. **McGowan EC**, Kostadinov S, McLean K, Gotsch F, Venturini D, Romero R, Laptook AR, Sharma S, Placental IL-10 dysregulation and association with bronchopulmonary dysplasia risk. *Pediatric Research*, 2009, 455-460.

2. Vohr BR, Stephens BE, Higgins RD, Bann CM, Hintz SR, Das A, Newman JE, Peralta-Carcelen M, Yolton K, Dusick AM, Evans PW, Goldstein RF, Ehrenkranz RA, Pappas A, Adams-Chapman I, Wilson-Costello DE, Bauer CR, Bodnar A, Heyne RJ, Vaucher YE, Dillard RG, Acarregui MJ, **McGowan EC**, Myers GJ, Fuller J; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Are outcomes of extremely preterm infants improving? Impact of Bayley assessment on outcomes. *Journal of Pediatrics* 2012 Aug;161(2):222-8.e3. doi: 10.1016/j.jpeds.2012.01.057. Epub 2012 Mar 14.
3. Stephens BE, Bann CM, Watson VE, Sheinkopf SJ, Peralta-Carcelen M, Bodnar A, Yolton K, Goldstein RF, Dusick AM, Wilson-Costello DE, Acarregui MJ, Pappas A, Adams-Chapman I, **McGowan EC**, Heyne RJ, Hintz SR, Ehrenkranz RA, Fuller J, Das A, Higgins RD, Vohr BR; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Screening for autism spectrum disorders in extremely preterm infants. *Journal of Developmental Behavioral Pediatrics* 2012 Sep;33(7):535-41.
4. Vaucher YE, Peralta-Carcelen M, Finer NN, Carlo WA, Gantz MG, Walsh MC, Laptook AR, Yoder BA, Faix RG, Das A, Schibler K, Rich W, Newman NS, Vohr BR, Yolton K, Heyne RJ, Wilson-Costello DE, Evans PW, Goldstein RF, Acarregui MJ, Adams-Chapman I, Pappas A, Hintz SR, Poindexter B, Dusick AM, **McGowan EC**, Ehrenkranz RA, Bodnar A, Bauer CR, Fuller J, O'Shea TM, Myers GJ, Higgins RD; SUPPORT Study Group of the Eunice Kennedy Shriver NICHD Neonatal Research Network. Neurodevelopmental outcomes in the early CPAP and pulse oximetry trial. *New England Journal of Medicine* 2012 Dec 27;367(26):2495-504. doi: 10.1056/NEJMoa1208506.
5. Adams-Chapman I, Bann CM, Das A, Goldberg RN, Stoll BJ, Walsh MC, Sánchez PJ, Higgins RD, Shankaran S, Watterberg KL, Duara S, Miller NA, Heyne RJ, Peralta-Carcelen M, Goldstein RF, Steichen JJ, Bauer CR, Hintz SR, Evans PW, Acarregui MJ, Myers GJ, Vohr BR, Wilson-Costello DE, Pappas A, Vaucher YE, Ehrenkranz RA, **McGowan EC**, Dillard RG, Fuller J, Benjamin DK Jr; Eunice Kennedy Shriver National Institutes of Child Health and Human Development Neonatal Research Network. Neurodevelopmental outcome of extremely low birth weight infants with Candida infection. *Journal of Pediatrics* 2013 Oct;163(4):961-7.e3. doi: 10.1016/j.jpeds.2013.04.034. Epub 2013 May 30.
6. Singh R, Gorstein SV, Bednarek F, Chou JH, **McGowan EC**, Visintainer PF. A predictive model for SIVH risk in preterm infants and targeted indomethacin therapy for prevention. *Scientific Reports – Nature*. 2013, 3:2539. doi: 10.1038/srep02539.
7. Stevens TP, Finer NN, Carlo WA, Szilagyi PG, Phelps DL, Walsh MC, Gantz MG, Laptook AR, Yoder BA, Faix RG, Newman JE, Das A, Do BT, Schibler K, Rich W, Newman NS, Ehrenkranz RA, Peralta-Carcelen M, Vohr BR, Wilson-Costello DE, Yolton K, Heyne RJ, Evans PW, Vaucher YE, Adams-Chapman I, **McGowan EC**, Bodnar A, Pappas A, Hintz SR, Acarregui MJ, Fuller J, Goldstein RF, Bauer CR, O'Shea TM, Myers GJ, Higgins RD; SUPPORT Study Group of the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Respiratory outcomes of the surfactant positive pressure and oximetry randomized trial (SUPPORT). *Journal of Pediatrics* 2014 Aug;165(2):240-249.e4. doi: 10.1016/j.jpeds.2014.02.054. Epub 2014 Apr 13.

8. Hintz SR, Barnes PD, Bulas D, Slovis TL, Finer NN, Wrage LA, Das A, Tyson JE, Stevenson DK, Carlo WA, Walsh MC, Laptook AR, Yoder BA, Van Meurs KP, Faix RG, Rich W, Newman NS, Cheng H, Heyne RJ, Vohr BR, Acarregui MJ, Vaucher YE, Pappas A, Peralta-Carcelen M, Wilson-Costello DE, Evans PW, Goldstein RF, Myers GJ, Poindexter BB, **McGowan EC**, Adams-Chapman I, Fuller J, Higgins RD; SUPPORT Study Group of the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Neuroimaging and neurodevelopmental outcome in extremely preterm infants. *Pediatrics*. 2015 Jan;135(1):e32-42. doi: 10.1542/peds.2014-0898. Epub 2014 Dec 1.
9. Erdei C, McAvoy LL, Gupta M, Pereira S, **McGowan EC**. Is zero central line-associated bloodstream infection rate sustainable? A 5-year perspective. *Pediatrics*. 2015, Jun;135(6):e1485-3. doi: 10.1542/peds.2014-2523.
10. Gonzalez D, Delmore P, Bloom BT, Cotten CM, Poindexter BB, **McGowan E**, Shattuck K, Bradford KK, Smith PB, Cohen-Wolkowicz M, Morris M, Yin W, Benjamin DK Jr, Laughon MM. Clindamycin Pharmacokinetics and Safety in Preterm and Term Infants. *Antimicrob Agents Chemotherapy*. 2016. Apr 22;60(5):2888-94. doi: 10.1128/AAC.03086-15.
11. Hawes K, **McGowan E**, O'Donnell M, Tucker R, Vohr B. Social Emotional Factors Increase Risk of Postpartum Depression in Mothers of Preterm Infants. *Journal of Pediatrics*, 2016, 5. pii: S0022-3476(16)30531-5. doi: 10.1016/.
12. Vohr B, **McGowan E**, Keszler L, Alksninis B, O'Donnell M, Hawes K, Tucker R. Impact of a Transition Home Program on Rehospitalization Rates of Preterm Infants. *Journal of Pediatrics*. 2017. Feb;181:86-92.e1. doi: 10.1016/j.jpeds.2016.10.025.
13. Vohr B, **McGowan E**, McKinley L, Tucker R, Keszler L, Alksninis B. Differential Effects of the Single-Family Room Neonatal Intensive Care Unit on 18- to 24-Month Bayley Scores of Preterm Infants. *Journal of Pediatrics*. 2017 Feb 24. pii: S0022-3476(17)30166-X. doi: 10.1016/j.jpeds.2017.01.056.
14. **McGowan EC**, Du N, Hawes K, Tucker R, O'Donnell M, Vohr B. Maternal Mental Health and Neonatal Intensive Care Unit Discharge Readiness in Mothers of Preterm Infants. *Journal of Pediatrics*. 2017 Feb 22. pii: S0022-3476(17)30162-2. doi: 10.1016/j.jpeds.2017.01.052.
15. Oh W, Przystac L, McKinley L, Tucker R, **McGowan EC**, Vohr BR. Association of intralipid intake in extremely low birthweight infants with neurodevelopmental outcomes. *Acta Paediatrica*. 2017 Dec 23. doi: 10.1111/apa.14201.
16. Laptook AR, Shankaran S, Tyson JE, Munoz B, Bell EF, Goldberg RN, Parikh NA, Ambalavanan N, Pedroza C, Pappas A, Das A, Chaudhary AS, Ehrenkranz RA, Hensman AM, Van Meurs KP, Chalak LF, Khan AM, Hamrick SEG, Sokol GM, Walsh MC, Poindexter BB, Faix RG, Watterberg KL, Frantz ID 3rd, Guillet R, Devaskar U, Truog WE, Chock VY, Wyckoff MH, **McGowan EC**, Carlton DP, Harmon HM, Brumbaugh JE, Cotten CM, Sánchez PJ, Hibbs AM, Higgins RD; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Effect of Therapeutic Hypothermia Initiated After 6 Hours of Age on Death or Disability Among Newborns With Hypoxic-Ischemic Encephalopathy: A Randomized Clinical Trial.

JAMA. 2017 Oct 24;318(16):1550-1560. doi: 10.1001/jama.2017.14972. Erratum in: JAMA. 2018 Mar 13;319(10):1051. Khan AM [added].

17. Hintz SR, Vohr BR, Bann CM, Taylor HG, Das A, Gustafson KE, Yolton K, Watson VE, Lowe J, DeAnda ME, Ball MB, Finer NN, Van Meurs KP, Shankaran S, Pappas A, Barnes PD, Bulas D, Newman JE, Wilson-Costello DE, Heyne RJ, Harmon HM, Peralta-Carcelen M, Adams-Chapman I, Duncan AF, Fuller J, Vaucher YE, Colaizy TT, Winter S, **McGowan EC**, Goldstein RF, Higgins RD; SUPPORT study group of the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Preterm Neuroimaging and School-Age Cognitive Outcomes. *Pediatrics*. 2018 Jul;142(1). pii: e20174058. doi: 10.1542/peds.2017-4058.
18. Liu Y, **McGowan E**, Tucker R, Glasgow L, Kluckman M, Vohr B. Transition Home Plus Program Reduces Medicaid Spending and Health Care Use for High-Risk Infants Admitted to the Neonatal Intensive Care Unit for 5 or More Days. *Journal of Pediatrics*. 2018 May 21. pii: S0022-3476(18)30592-4.
19. Phelps DL, Watterberg KL, Nolen TL, Cole CA, Cotten CM, Oh W, Poindexter BB, Zaterka-Baxter KM, Das A, Lacy CB, Scorsone AM, Walsh MC, Bell EF, Kennedy KA, Schibler K, Sokol GM, Laughon MM, Lakshminrusimha S, Truog WE, Garg M, Carlo WA, Lupton AR, Van Meurs KP, Carlton DP, Graf A, DeMauro SB, Brion LP, Shankaran S, Orge FH, Olson RJ, Mintz-Hittner H, Yang MB, Haider KM, Wallace DK, Chung M, Hug D, Tsui I, Cogen MS, Donahue JP, Gaynon M, Hutchinson AK, Bremer DL, Quinn G, He YG, Lucas WR Jr, Winter TW, Kicklighter SD, Kumar K, Chess PR, Colaizy TT, Hibbs AM, Ambalavanan N, Harmon HM, **McGowan EC**, Higgins RD; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Effects of Myo-inositol on Type 1 Retinopathy of Prematurity Among Preterm Infants <28 Weeks' Gestational Age: A Randomized Clinical Trial. *JAMA*. 2018 Oct 23;320(16):1649-1658. doi: 10.1001/jama.2018.14996.
20. Everson TM, Marsit CJ, O'Shea M, Burt A, Hermetz K, Carter BS, Helderman J, Hofheimer JA, **McGowan EC**, Neal CR, Pastyrnak SL, Smith LM, Soliman A, DellaGrotta SA, Dansereau LM, Padbury JF and Lester BM. (2019) Epigenome-wide Analysis Identifies Genes and Pathways Linked to Neurobehavioral Variation in Preterm Infants. *Nature Scientific Reports*, 9;6322:doi.org/10.1038/s41598-019-42654-4.
21. **McGowan EC**, Abdulla LS, Hawes KK, Tucker R, Vohr BR. Maternal Immigrant Status and Readiness to Transition to Home From the NICU. *Pediatrics*. 2019 May;143(5). pii: e20182657. doi: 10.1542/peds.2018-2657.
22. **McGowan EC**, Lupton AR, Lowe J, Peralta-Carcelen M, Chowdhury D, Higgins RD, Hintz SR, Vohr, BR; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Developmental Outcomes of Extremely Preterm Infants with Need for Child Protective Services Supervision. *Journal of Pediatrics*. 2019 Sep 6. pii: S0022-3476(19)30971-0. doi: 10.1016/j.jpeds.2019.07.063.
23. Hofheimer JA, Smith LM, **McGowan EC**, O'Shea TM, Carter BS, Neal CR, Helderman J, Pastyrnak S, Soliman A, Dansereau LM, Dellagrotta S, Lester BM. Psychosocial and Medical Adversity Predict Neonatal Neurobehavior in Infants Born Before 30 Weeks Gestation. *Pediatric Research* 2019 Oct 10. doi: 10.1038/s41390-019-0607-1. PMID:31600769.

24. Bowen R, Lally KM, Pingitore FR, Tucker R, **McGowan EC**, Lechner BE. A Simulation Based Difficult Conversations Intervention for Neonatal Intensive Care Unit Nurse Practitioners: A Randomized Control Trial. *PLoS One*. 2020 Mar 9;15(3):e0229895. doi:10.1371/journal.pone.0229895. eCollection 2020.PMID: 32150584
25. **McGowan EC**, Hofheimer JA, O'Shea TM, Carter BS, Helderman J, Neal CR, Pastyrnak S, Smith LM, Soliman A, Dansereau LM, Della Grotta SA, Lester BM. Sociodemographic and medical influences on neurobehavioral patterns in preterm infants: A multi-center study. *Early Hum Dev*. 2020 Mar;142:104954. doi: 10.1016/j.earlhumdev.2020.104954. Epub 2020 Jan 30.PMID: 32007912
26. Buck CO, Tucker R, Vohr B, **McGowan EC**. Predictors of Parenting Readiness in Fathers of High-Risk Infants in the Neonatal Intensive Care Unit. *J Pediatr*. 2020 Feb;217:192-195.e1. doi: 10.1016/j.jpeds.2019.09.078. Epub 2019 Nov 5.PMID: 3170405
27. Brumbaugh JE, Bell EF, Grey SF, DeMauro SB, Vohr BR, Harmon HM, Bann CM, Rysavy MA, Logan JW, Colaizy TT, Peralta-Carcelen MA, **McGowan EC**, Duncan AF, Stoll BJ, Das A, Hintz SR; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Behavior Profiles at 2 Years for Children Born Extremely Preterm with Bronchopulmonary Dysplasia. *J Pediatr*. 2020 Apr;219:152-159.e5. doi: 10.1016/j.jpeds.2019.12.028. Epub 2020 Jan 31.PMID: 32008764
28. Abdulla L, **McGowan EC**, Tucker RJ, Vohr BR. Disparities in Preterm Infant Emergency Room Utilization and Rehospitalization by Maternal Immigrant Status. *J Pediatr*. 2020 May;220:27-33. doi: 10.1016/j.jpeds.2020.01.052. Epub 2020 Feb 25.PMID: 32111378
29. Manickam S, Vivier PM, Rogers ML, **McGowan EC**, Smego R, Tucker R, Vohr BR. Neighborhood Inequality and Emergency Department Use in Neonatal Intensive Care Unit Graduates. *J Pediatr*. 2020 Jul 1:S0022-3476(20)30828-3. doi: 10.1016/j.jpeds.2020.06.074. Online ahead of print. PMID: 32621816
30. Aghagoli G, Sheinkopf SJ, Everson TM, Marsit CJ, Lee H, Burt AA, Carter BS, Helderman JB, Hofheimer JA, **McGowan EC**, Neal CR, O'Shea TM, Pastyrnak SL, Smith LM, Soliman A, Dansereau LM, DellaGrotta SA, Padbury JF, Lester BM. Epigenome-wide analysis identifies genes and pathways linked to acoustic cry variation in preterm infants. *Pediatr Res*. 2020 Sep 23. doi: 10.1038/s41390-020-01172-0. Online ahead of print.PMID: 32967004
31. Chandrasekharan P, Lakshminrusimha S, Chowdhury D, Van Meurs K, Keszler M, Kirpalani H, Das A, Walsh MC, **McGowan EC**, Higgins RD; NRN STEERING COMMITTEE. Early Hypoxic Respiratory Failure in Extreme Prematurity: Mortality and Neurodevelopmental Outcomes. *Pediatrics*. 2020 Oct;146(4):e20193318. doi: 10.1542/peds.2019-3318. Epub 2020 Sep 17.PMID: 32943536
32. Everson TM, O'Shea TM, Burt A, Hermetz K, Carter BS, Helderman J, Hofheimer JA, **McGowan EC**, Neal CR, Pastyrnak SL, Smith LM, Soliman A, DellaGrotta SA, Dansereau

LM, Padbury JF, Lester BM, Marsit CJ. Serious neonatal morbidities are associated with differences in DNA methylation among very preterm infants. *Clin Epigenetics*. 2020 Oct 19;12(1):151. doi: 10.1186/s13148-020-00942-1.PMID: 33076993

OTHER PEER-REVIEWED PUBLICATIONS

1. Laptook, AR, **McGowan, EC**. Outcomes in the Era of Therapeutic Hypothermia. *NeoReviews*. 2014, 15(9):e386-e395.
2. **Elisabeth C. McGowan, MD**, Betty R. Vohr, MD. Impact of Nonmedical Factors on Neurobehavior and Language Outcomes of Preterm Infants. *NeoReviews*. Vol. 20. No. 7, July 2019.
3. **McGowan EC**, Vohr BR. Neurodevelopmental Follow-up of Preterm Infants: What Is New? *Pediatr Clin North Am*. 2019 Apr;66(2):509-523. doi: 10.1016/j.pcl.2018.12.015. Epub 2019 Feb 1.

AUTHORSHIP/MULTI-CENTER TRIALS (NICHD Neonatal Research Network Collaborator List)

1. Carlo WA, McDonald SA, Fanaroff AA, Vohr BR, Stoll BJ, Ehrenkranz RA, Andrews WW, Wallace D, Das A, Bell EF, Walsh MC, Laptook AR, Shankaran S, Poindexter BB, Hale EC, Newman NS, Davis AS, Schibler K, Kennedy KA, Sánchez PJ, Van Meurs KP, Goldberg RN, Watterberg KL, Faix RG, Frantz ID 3rd, Higgins RD; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Association of antenatal corticosteroids with mortality and neurodevelopmental outcomes among infants born at 22 to 25 weeks' gestation. *JAMA*. 2011 Dec 7;306(21):2348-58. doi: 10.1001/jama.2011.1752.
2. De Jesus LC, Pappas A, Shankaran S, Kendrick D, Das A, Higgins RD, Bell EF, Stoll BJ, Laptook AR, Walsh MC; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Risk factors for post-neonatal intensive care unit discharge mortality among extremely low birth weight infants. *Journal of Pediatrics* . 2012 Jul;161(1):70-4.e1-2. doi: 1016/j.jpeds.2011.12.038. Epub 2012 Feb 10.
3. Greenberg RG, Benjamin DK Jr, Gantz MG, Cotten CM, Stoll BJ, Walsh MC, Sánchez PJ, Shankaran S, Das A, Higgins RD, Miller NA, Auten KJ, Walsh TJ, Laptook AR, Carlo WA, Kennedy KA, Finer NN, Duara S, Schibler K, Ehrenkranz RA, Van Meurs KP, Frantz ID 3rd, Phelps DL, Poindexter BB, Bell EF, O'Shea TM, Watterberg KL, Goldberg RN, Smith PB; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Empiric antifungal therapy and outcomes in extremely low birth weight infants with invasive candidiasis. *Journal of Pediatrics*. 2012 Aug;161(2):264-9.e2. doi: 10.1016/j.jpeds.2012.01.053. Epub 2012 Mar 15.
4. Newman JE, Bann CM, Vohr BR, Dusick AM, Higgins RD; Follow-Up Study Group of Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Improving the Neonatal Research Network annual certification for neurologic examination of the 18-22 month child. *Journal of Pediatrics*

2012 Dec;161(6):1041-6. doi: 10.1016/j. 2012.05.048.

5. De Jesus LC, Pappas A, Shankaran S, Li L, Das A, Bell EF, Stoll BJ, Laptook AR, Walsh MC, Hale EC, Newman NS, Bara R, Higgins RD; Eunice Kennedy Shriver National Institute of Health and Human Development Neonatal Research Network. Outcomes of small for gestational age infants born at <27 weeks' gestation. *J Pediatr*. 2013 Jul;163(1):55-60.e1-3. doi: 10.1016/*Journal of Pediatrics* 2012.12.097. Epub 2013 Feb 14.
6. Payne AH, Hintz SR, Hibbs AM, Walsh MC, Vohr BR, Bann CM, Wilson-Costello DE; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Neurodevelopmental outcomes of extremely low-gestational-age neonates with low-grade periventricular-intraventricular hemorrhage. *JAMA Pediatrics*. 2013 May;167(5):451-9. doi:10.1001/jamapediatrics.2013.866.
7. Adams-Chapman I, Bann CM, Vaucher YE, Stoll BJ; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Association between feeding difficulties and language delay in preterm infants using Bayley Scales of Infant Development-Third Edition. *Journal of Pediatrics*. 2013 Sep;163(3):680-5.e1-3. doi: 10.1016/j.jpeds.2013.03.006. Epub 2013 Apr 10.
8. Adams-Chapman I, Hansen NI, Shankaran S, Bell EF, Boghossian NS, Murray JC, Laptook AR, Walsh MC, Carlo WA, Sánchez PJ, Van Meurs KP, Das A, Hale EC, Newman NS, Ball MB, Higgins RD, Stoll BJ; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Ten-year review of major birth defects in VLBW infants. *Pediatrics*. 2013 Jul;132(1):49-61. doi: 10.1542/peds.2012-3111. Epub 2013 Jun 3.
9. Kennedy KA, Wrage LA, Higgins RD, Finer NN, Carlo WA, Walsh MC, Laptook AR, Faix RG, Yoder BA, Schibler K, Gantz MG, Das A, Newman NS, Phelps DL; SUPPORT Study Group of the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Evaluating retinopathy of prematurity screening guidelines for 24- to 27-week gestational age infants. *Journal of Perinatology*. 2014 Apr;34(4):311-8. doi: 10.1038/jp.2014.12. Epub 2014 Feb 6.
10. Morriss FH Jr, Saha S, Bell EF, Colaizy TT, Stoll BJ, Hintz SR, Shankaran S, Vohr BR, Hamrick SE, Pappas A, Jones PM, Carlo WA, Laptook AR, Van Meurs KP, Sánchez PJ, Hale EC, Newman NS, Das A, Higgins RD; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Surgery and neurodevelopmental outcome of very low-birth-weight infants. *JAMA Pediatrics*. 2014 Aug;168(8):746-54. doi: 10.1001/jamapediatrics.2014.307.
11. Kelleher J, Salas AA, Bhat R, Ambalavanan N, Saha S, Stoll BJ, Bell EF, Walsh MC, Laptook AR, Sánchez PJ, Shankaran S, VanMeurs KP, Hale EC, Newman NS, Ball MB, Das A, Higgins RD, Peralta-Carcelen M, Carlo WA; GDB Subcommittee, Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Prophylactic indomethacin and intestinal perforation in extremely low birth weight infants. *Pediatrics*. 2014 Nov;134(5):e1369-77. doi: 10.1542/peds.2014-0183. Epub 2014 Oct 27.

12. Ambalavanan N, Carlo WA, Wrage LA, Das A, Laughon M, Cotten CM, Kennedy KA, Laptook AR, Shankaran S, Walsh MC, Higgins RD; SUPPORT Study Group of the NICHD Neonatal Research Network. PaCO₂ in surfactant, positive pressure, and oxygenation randomized trial (SUPPORT). *Archives of Disease Child Fetal Neonatal* Ed. 2015 Mar;100(2):F145-9. doi: 10.1136/archdischild-2014-306802. Epub 2014 Nov 25.
13. Navarrete CT, Wrage LA, Carlo WA, Walsh MC, Rich W, Gantz MG, Das A, Schibler K, Newman NS, Piazza AJ, Poindexter BB, Shankaran S, Sánchez PJ, Morris BH, Frantz ID 3rd, Van Meurs KP, Cotten CM, Ehrenkranz RA, Bell EF, Watterberg KL, Higgins RD, Duara S; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Growth Outcomes of Preterm Infants Exposed to Different Oxygen Saturation Target Ranges from Birth. *Journal of Pediatrics*. 2016 Sep;176:62-68.e4. doi: 10.1016/j.jpediatrics.2016.05.070. Epub 2016 Jun 22.
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16. Vohr BR, Heyne R, Bann CM, Das A, Higgins RD, Hintz SR; Eunice Kennedy Shriver National Institute of Child Health, and Development Neonatal Research Network. Extreme Preterm Infant Rates of Overweight and Obesity at School Age in the SUPPORT Neuroimaging and Neurodevelopmental Outcomes Cohort. *Journal of Pediatrics* 2018 Sep;200:132-139.e3. doi: 10.1016/j.jpeds.2018.04.073. Epub 2018 May 21.
18. Watterberg KL, Hintz SR, Do B, Vohr BR, Lowe J, Newman JE, Wallace D, Lacy CB, David EP, Granger DA, Shankaran S, Payne A, Higgins RD, SUPPORT Study Group of the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Adrenal function links to early postnatal growth and blood pressure at age 6 in children born extremely preterm. *Pediatr.Res*. 2018 Dec 12. Doi: 10.1038/s41390-018-0243-1.
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22. Lupton AR, Shankaran S, Barnes P, Rollins N, Do BT, Parikh NA, Hamrick S, Hintz SR, Tyson JE, Bell EF, Ambalavanan N, Goldberg RN, Pappas A, Huitema C, Pedroza C, Chaudhary AS, Hensman AM, Das A, Wyckoff M, Khan A, Walsh MC, Watterberg KL, Faix R, Truog W, Guillet R, Sokol GM, Poindexter BB, Higgins RD; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Limitations of Conventional Magnetic Resonance Imaging as a Predictor of Death or Disability Following Neonatal Hypoxic-Ischemic Encephalopathy in the Late Hypothermia Trial. *J Pediatr.* 2020 Nov 13:S0022-3476(20)31392-5. doi: 10.1016/j.jpeds.2020.11.015. Online ahead of print. PMID: 33189747
23. Kirpalani H, Bell EF, Hintz SR, Tan S, Schmidt B, Chaudhary AS, Johnson KJ, Crawford MM, Newman JE, Vohr BR, Carlo WA, D'Angio CT, Kennedy KA, Ohls RK, Poindexter BB, Schibler K, Whyte RK, Widness JA, Zupancic JAF, Wyckoff MH, Truog WE, Walsh MC, Chock VY, Lupton AR, Sokol GM, Yoder BA, Patel RM, Cotten CM, Carmen MF, Devaskar U, Chawla S, Seabrook R, Higgins RD, Das A; Eunice Kennedy Shriver NICHD Neonatal Research Network. Higher or Lower Hemoglobin Transfusion Thresholds for Preterm Infants. *N Engl J Med.* 2020 Dec 31;383(27):2639-2651. doi: 10.1056/NEJMoa2020248. PMID: 33382931

PUBLICATIONS SUBMITTED

Submitted, awaiting review

1. Nosavan NP, Smith LM, Dansereau LM, Roberts MB, Hofheimer JA, Carter BS, Helderman JB, **McGowan EC**, Neal CR, Pastyrnak S, Della Grotta SA, O'Shea TM, Lester BM. Associations Between Maternal Pre-Pregnancy Obesity and Neonatal Neurobehavior in Infants Born Before 30 Weeks Gestation. *submitted J Perinatology Jan 2021*
2. Hofheimer JA, **McGowan EC**, Smith LM, Meltzer-Brody S, Carter BS, Dansereau LM, Pastyrnak S, Helderman JB, Neal CR, DellaGrotta SA, O'Shea TM, Lester BM. Risk Factors for Postpartum Depression and Severe Distress in Mothers of Very Preterm Infants. *submitted Pediatrics Dec 2020*
3. Vohr B, **McGowan EC**, Bann C, Das A, Higgins R, Hintz S, and the Eunice Kennedy Shriver National Institute of Child Health and Development Neonatal Research Network Association of Screen-Time with Extreme Preterm Cognitive, Executive Function and Behavior Outcomes at 6-7 years. *Peds June 2020, rejected, waiting revisions*

ABSTRACTS

1. McGowan EC, Laptook AR, Kostadinov S, McLean K, Sharma S. Placental IL-6 & IL10 Expression in the Placental Microenvironment of the ELBW and an Association with Bronchopulmonary Dysplasia, Society for Pediatric Research, Toronto, Canada, May 2007.
2. McGowan EC, Laptook AR, Kostadinov S, McLean K, Sharma S. Elevated IL-6 Expression in the Placental Microenvironment of the ELBW Infant, A Possible Association with Bronchopulmonary Dysplasia, Mead Johnson 68th Perinatal & Developmental Medicine Symposium, June 1- 4, 2006 Aspen, CO.
3. McGowan EC, Laptook AR, Kostadinov S, McLean K, Sharma S. IL-6 Expression in the Maternal Compartment of the Placenta, A Possible Association with Bronchopulmonary Dysplasia , Rhode Island Hospital Research Symposium November 9, 2006.
4. Ilzarbe CM *, Grady N, Nielsen H, McGowan EC. Cue Based Feeding and Attainment to Full Oral Feeding in the Very Low Birthweight Infant. New England Perinatal Society March 2012.
**awarded best poster presentation*
- 5.. Gorstein SV, Visintainer, Bednarek F, Chou JH, McGowan EC, Singh R. A Predictive Model to Target Indomethacin Therapy for Prevention of Intraventricular Hemorrhage in Preterm Infants. Society of Pediatric Research May 2012.
6. Hoban R, Dammann O, McGowan EC. Unplanned Extubations in the NICU – Risk Factors and Attempts at Reduction with a Commercial Neonatal Endotracheal Tube Holder. Eastern Society Pediatric Research March 2012.
7. Erdei C, McAvoy L, Doyle L, Gupta M, Pereira S, McGowan EC. Reductions in Central Line-Associated Bloodstream Infections (CLABSI) in the Neonatal Intensive Care Unit (NICU). Society of Pediatric Research Platform Presentation May 2013.
8. Vohr B, McGowan E, O'Donnell M, Best C, Tucker R. Risk Factors Predicting Rehospitalization of Early, Moderate and Late Preterm Infants in the First 90 Days Post Discharge. Annual Pediatric Societies Conference in San Diego, CA, April 25-28, 2015.
9. Vohr B, McKinley L, Tucker R, McGowan E, Keszler M, Alkskinis B. Single Family Room NICU Associated with Improved 18 Month Outcomes for Infants <1250 grams. Annual Pediatric Societies Conference in San Diego, CA, April 25-28, 2015.
10. Hawes K, McGowan E, O'Donnell M, Best C, Tucker R, Vohr B. Use of Psychotropic Medications Before, During and After Pregnancy with Adverse Mental Health Conditions. Annual Pediatric Societies Conference in San Diego, CA, April 25-28, 2015.
11. Hawes K, McGowan E, O'Donnell M, Best C, Tucker R, Vohr B. Psychotropic Medication Use Among Mothers Preterm Infants with Adverse Mental Health Conditions. Annual Pediatric Societies Conference in San Diego, CA, April 25-28, 2015.

12. McGowan E, Hawes K, O'Donnell M, Best C, Keszler M, Tucker R, Vohr B. Fathers of High Risk NICU Infants Report Stress Similar to Mothers. Annual Pediatric Societies Conference in San Diego, CA, April 25-28, 2015.
13. Vohr BR, McGowan EC, McKinley L, Keszler L, Tucker R. Differential Benefit of Single Family Room NICU for 18 Month Outcomes of Preterms with Public and Private Insurance. Annual Pediatric Societies Conference in Baltimore, MD, April 30-May 3, 2016.
14. McGowan EC, O'Donnell M, Tucker R, Vohr BR. ER Use and Hospitalization Among Immigrant Mothers with Preterm Infants. Annual Pediatric Societies Conference in Baltimore, MD, April 30-May 3, 2016.
15. McGowan EC, Hawes K, O'Donnell M, Tucker R, Vohr BR. Discharge Readiness Differences Between Non-US and US-Born NICU Mothers. Annual Pediatric Societies Conference in Baltimore, MD, April 30-May 3, 2016.
16. McGowan EC, Laptok AR, Lowe J, Peralta M, Chowhury P, Vohr BR, Higgins RD, NICHD Neonatal Research Network. Developmental Outcomes of Extremely Preterm Infants Under State Supervision at Hospital Discharge. American Academy of Pediatrics Conference, 2017.
17. McGowan, EC, O'Shea TM, Hofheimer J, LaGasse L, Pastyrnak S, Neal C, Carter B, Helderman J, Smith L, Soliman A, Dansereau L, Lester B. Neonatal Neurobehavior and Medical Outcomes in Infants Born < 30 Weeks Gestation. Pediatric Academic Society 2018.
18. McGowan EC, Caskey M, Megumi M, Hersey A, Tucker R, Vohr B. Teaching Mothers to Talk to Their Preterm (PT) Infants in the NICU, a Randomized Controlled Trial. Pediatric Academic Society 2018.
19. Hintz S, Bann C, Vohr B, McGowan E, Vaucher Y, Fuller M, Das A, Garey D, Keller C, Higgins R, Neonatal Neuroimaging Findings Associated with Motor-coordination Impairment at Early School Age Among Extremely Preterm Infants. Pediatric Academic Society 2018.
20. Vohr B, McGowan E, Keszler L, Alkskinis B, Tucker R. Use of Bayley III to Predict 36M WPPSI Scores: Impact of Corrected Age (CA). Pediatric Academic Society 2018.
21. McGowan E, Watson V, Leach T, Tucker R, Vohr B. 2 Year Predictors of Motor Coordination Skills at 5 Years in Preterm Infants. Pediatric Academic Society, 2019.
22. Vohr B, McGowan E, Keszler ML, Alksninis B, Watson V, Leach T, Tucker R. Developmental Coordination Disorder Among Preterms With and Without Neurologic Impairment at 5 Years of Age. Pediatric Academic Society, 2019.
23. Chandrasekharan P, Higgins S, Dangio C, VanMeurs L, Keszler M, Das A, Chowdhury D, Kirplani H, Walsh M, McGowan E, Lakshmi S, Archer S. Early Hypoxemic Respiratory Failure in Extremely Preterm Neonates: Characteristics, Mortality and Neurodevelopmental Outcomes. Pediatric Academic Society, 2019.
24. Manickam S, Vivier P, Rogers M, McGowan E, Smego R, Tucker R, Vohr B. Neighborhood Inequality: How Neighborhood, Child-Family Characteristics, and Distance Influence Infant Emergency Department Utilization. Pediatric Academic Society, 2019.

25. Brumbaugh J, Bell E, Grey S, Mauro D, Vohr B, Rysavy M, Logan J, Colaizy T, McGowan E, Duncan A, Stoll B, Das A, Hintz S, Archer S. Behavioral Profiles at 2 Years for Extremely Preterm Infants with Bronchopulmonary Dysplasia. Pediatric Academic Society, 2019.
26. Smith M, Laughon M, Hudak M, Zinkhan E, Bloom B, Heresi G, Lavery A, Courtney SE, Sokol G, Dang C, McGowan E, Chaaban H, Downey L, Dammann C, Weitkamp H, Gao J, Benjamin D, Hornik C, Smith B, Cohen M. Neurodevelopmental Outcomes of Premature Infants with Complicated Intra-Abdominal Infections. Pediatric Academic Society, 2019.
27. Abdulla L, McGowan E, Tucker R, Vohr B. Disparities in Preterm Infant ER Utilization and Re-hospitalization by Maternal Immigrant Status. Pediatric Academic Society, 2019.
28. Everson T, Marsit C, Burt A, Hermet K, Habood J, Jackson W, Carter B, Helder J, Hofheimer J, McGowan E, Kapiolani C, Pastyrnak S, Soliman A, Dellagrotta S, Dansereau L, Padbury J, Lester B, O'Shea M. DNA Methylation Variations Associated with Medical Complications in Very Preterm Infants at NICU Discharge. Pediatric Academic Society, 2019.
29. Hofheimer J, McGowan E, O'Shea M, Carter B, Pastyrnak S, Helder J, Kapiolani C, Soliman A, Dansereau L, Dellagrotta S, Lester B. Neonatal Neurobehavior in Infants Born <30 Weeks to High Risk Mothers. Pediatric Academic Society, 2019.
30. Hawes K, McGowan E, Tucker R, Vohr B. NICU Discharge Factors Predicting Maternal Adjustment to Parenting a High Risk Infant 3 Months Post Discharge. Pediatric Academic Society, 2019.
31. Chandrasekharan P, Higgins S, Dangio C, VanMeurs L, Keszler M, Das A, Chowdhury D, Kirpalani H, Walsh M, McGowan E, Lakshmi S, Archer S. Factors Associated with Use, Survival and Neurodevelopment Outcome Following Inhaled Nitric Oxide Exposure in Extremely Preterm Infants. Pediatric Academic Society, 2019.

Abstracts 32 through 41 were accepted for presentation. Meeting was cancelled due to COVID-19

32. McGowan, E. Blood Lead Level \geq ug/dl and 5 year Neurodevelopmental Outcomes of Preterm (PT) Infants. Pediatric Academic Society, Philadelphia, PA, May 1-6, 2020.
33. Hofheimer J, McGowan E, Smith L, Meltzer-Brody S, Carter B, Pastyrnak S, Helder J, Neal C, Soliman A, Dansereau L, DellaGrotta S, O'Shea M, Lester B. Risk Factors for Postpartum Depression and Psychological Distress in Mothers of Infants Born < 30 Weeks Gestation. Pediatric Academic Society, Philadelphia, PA, May 1-6, 2020.
34. McGowan E, Hofheimer J, O'Shea M, Carter B, Kilbride H, Pastyrnak S, Neal C, Smith L, Helder J, Check J, Soliman A, Dansereau L, DellaGrotta S, Lester B. Neonatal Neurobehavior Medical Risk, and 2 Year Neurodevelopment in Infants Born < 30 Weeks Gestation. Pediatric Academic Society, Philadelphia, PA, May 1-6, 2020.
35. Nwanne O, Rogers M, McGowan E, Tucker R, Smego R, Vivier P, Vohr B. Association Between Neighborhood Risk and Neurodevelopmental Outcomes in Extreme to Moderate Preterm Infants. Pediatric Academic Society, Philadelphia, PA, May 1-6, 2020.

36. Helderman J, O'Shea M, Dansereau L, Check J, Hofheimer J, Smith L, McGowan E, Neal C, Carter B, Pastyrnak S, Soliman A, Betz B, Junewick J, Borders H, Lester B. Cranial Ultrasound (CUS) Correlates of Neurobehavior in Infants Born <30 Weeks Gestation. Pediatric Academic Society, Philadelphia, PA, May 1-6, 2020.
37. Kole M, Aha S, Werner E, Chawla S, Keszler M, McGowan E, Wyckoff M, Archer S, Laptook A. Maternal Hypertensive Disorders and Survival Without Major Morbidities Among Extremely Low Gestation Newborns (ELGANS). Pediatric Academic Society, Philadelphia, PA, May 1-6, 2020.
38. Nosavan N, Smith C, Hofheimer J, McGowan E, O'Shea M, Pastyrnak S, Neal C, Carter B, Helderman J, Check J, Soliman A, Roberts M, Dansereau L, Padbury J, Marsit C, Lester B. Neonatal DNA Methylation Predictive of Developmental Impairment at 24 Months. Pediatric Academic Society, Philadelphia, PA, May 1-6, 2020.
39. Everson T, O'Shea M, Burt A, Hermet K, Carter B, Helderman, Hofheimer J, McGowan E, Neal C, Pastyrnak S, Smith L, Soliman A, DellaGrotta S, Dansereau L, Padbury J, Marsit C, Lester B. Pediatric Academic Society, Philadelphia, PA, May 1-6, 2020.
40. Martin M, Foster M, Smith L, Sheinkopf S, Hofheimer J, McGowan E, O'Shea M, Pastyrnak S, Neal C, Carter B, Helderman J, Check J, Soliman A, Roberts M, Dansereau L, DellaGrotta S, Lester B. Chronic Lung Disease, Cry Acoustics, and Neonatal Behavior in Infants Born Before 30 Weeks Gestation. Pediatric Academic Society, Philadelphia, PA, May 1-6, 2020.
41. Mayne J, Vohr B, Stabila J, Tucker R, McGowan E, Padbury J. DNA methylation associations with NICU language outcomes among preterm infants receiving a parent directed reading intervention: a secondary analysis of a randomized controlled trial (RCT). Presented at the May 2021 Virtual Pediatric Academic Society Meeting.
42. Camerota M, McGowan E, Hofheimer J, O'Shea M, Carter BS, Helderman J, Check J, Neal C, Pastyrnak S, Smith L, Loncar C, Sheinkopf S, Dansereau L, Dellagrotta S, Lester B. Neurodevelopmental profiles of infants born <30 weeks gestation at 2 years of age. Presented at the May 2021 Virtual Pediatric Academic Society Meeting.
43. McGowan E, Camerota M, Hofheimer J, O'Shea M, Carter BS, Kilbride K, Pastyrnak S, Neal C, Smith L, Helderman J, Check J, Dansereau L, Dellagrotta S, Lester B. Neonatal Neurobehavior, Medical Risk, and 2 year Developmental Outcomes in Infants Born < 30 Weeks Gestation. Presented at the May 2021 Virtual Pediatric Academic Society Meeting.
44. Nwanne O, Rogers M, McGowan E, Tucker R, Vivier P, Vohr B. High neighborhood risk and its association with behavior outcomes in extremely preterm infants. Presented at the May 2021 Virtual Pediatric Academic Society Meeting.
45. Mayne J, McGowan E, Tucker R, Chiem A, Nwanne O, Gupta A, Vohr B. Bridging Connections: A randomized controlled trial of a parent directed reading intervention among preterm infants in the NICU. Presented at the May 2021 Virtual Pediatric Academic Society Meeting.

INVITED PRESENTATIONS

International

- 2017 Children's Hospital of Fudan University, Shanghai, China
"Optimizing Outcomes of the Preterm Infants, A Network of Stakeholder's" and
"The Transition from NICU to Neonatal Follow up Care", November 13-18, 2017

National

- 2017 Lena Conference at Beaver Creek, CO
"Maternal Involvement as Predictor of Early Infant Conversational Turns in the Neonatal Intensive Care Unit" September 12-14, 2017
- 2018 Gravens Conference on the Environment of Care for High Risk Newborns, Clearwater, FL.
"A Transition Plus (THP) Program Improves Outcomes for High Risk Infants and Families"
February 28-March 3, 2018
- 2018 University of Virginia Children's Medical Center, Charlottesville, VA
"Let's Talk: Evidence and Outcomes of Language Development in Preterm Infants"
November 8, 2018
- 2019 Gravens Conference on the Environment of Care for High Risk Newborns, Clearwater, FL
1. "Immigrant Mothers and NICU Discharge Readiness"
2. "Impact of Social-Environmental Adversities and High Risk Family and Infant Outcomes" March 6-9, 2019
- 2019 Pediatric Academic Society (PAS), Baltimore, MD.
Workshop: "Assessing neonatal neurobehavior for the clinician as well as the researcher, utilizing the revised NICU Network Neurobehavioral Scale (NNNS)". April 27-30, 2019
- 2020 Gravens Conference in Clearwater, FL March 4-6, 2020.
1. "Preterm infant vocalizations and maternal involvement in the NICU: opportunities to increase enrichment at the bedside"
2. "Sociodemographic and medical influences on neurobehavioral patterns in preterm infants: a multi-center study".
- 2020 Annual Pediatrics and Neonatology (APN) Summit – December 3-5 2020 Virtual
"Immigrant mothers & their perceptions of transitioning from the NICU to Home"
- 2021 National Institute of Health Environmental Influences on Neurodevelopmental Outcomes in Infants Born Very Preterm (ECHO) Flash Talk
"Effects of COVID-19 on Infants born Preterm and their Families"
January 2021

Regional

- 2010 Pediatric Grand Rounds Charlton Hospital, Fall River, MA.
"Neurodevelopment, Outcomes and Follow Up of the Late Preterm Infant"

- 2010 Pediatrics Grand Rounds, Salem Hospital, Salem, MA.
“Neurodevelopmental Outcomes Update”
- 2012 Neonatal/Perinatal Grand Rounds, Tufts Medical Center, Boston, MA
“Cerebellar Injury in the Neonate”
- 2013 Pediatrics Grand Rounds, Holy Family Hospital, Methuen, MA
“Neurodevelopmental Care after the NICU”
- 2014 Grand Rounds, Rhode Island Hospital, Providence, RI
“Father of High Risk NICU Infants: Are we aware of their needs?” December 12, 2014
- 2014 Lectures Alpert Medical School, Brown University, Providence, RI
“Neonatal Adaptations” and “Neonatal Problems” December 16, 2014
- 2016 Inter-Agency Task Force Committee, Providence, RI
“Long Term Intervention Study with NICU Preterm Infants” December 15, 2016
- 2018 Rhode Island Health Equity Summit, Providence, RI
Transition Home Plus (THP) Program Improves Outcomes and Reduces Unnecessary
Rehospitalizations of High Risk Infants and Families
September 20, 2018

GRANT AWARDS

Completed Grant Awards

- 1. 4/1/2011-6/30/2014 NICHD Cooperative Multicenter Neonatal Research Network Follow Up
Coordination (5U10 HD053119-08)
Role: Co-Investigator (PI: Frantz)
Agency: NIH/NICHD
Total Costs: \$4,432
- 2. 4/1/2012-3/31/2014 Neonatal Research Network Capitation Funding (HD036790)
Role: Site PI (PI: Das)
Agency: Research Triangle Institute (RTI)
Costs: *Dependent upon Subject Visits*
- 3. 6/1/2012-6/1/2014 The Use of Inhaled Nitric Oxide to Improve Respiratory Outcome in Late
Preterm Infants
Role: Co-Investigator (PI: Dammann/Lee)
Agency: INO Therapeutics LLC/Ikaria
Total Costs: \$55,000
- 4. 9/1/2012-6/30/2014 Improving Outcome in Neonatal Abstinence Syndrome

- (1R01DA032889-02)
 Role: Co-Investigator (PI: Davis)
 Agency: NIH/NIDA
 Total Costs: \$558,437
5. 1/23/2013-6/30/2014 PTN Pharmacokinetics of Antistaphylococcal Antibiotics in Infants /Task Order 13 (HHSN-275201000003)
 Role: Site PI (PI: Benjamin)
 Agency: NICHD/NIH
 \$2,516/subject
 6. 7/15/2013-6/30/2014 Phase 2 Study of Recombinant Human Clara Cell 10 KDa Protein (r-hCC10) Administered to Premature Neonates with Respiratory Distress Syndrome (RDS) (1R01FD003899-01A4)
 Role: Co-Investigator (PI: Davis)
 Agency: Food and Drug Administration
 Total Costs: \$ 317,756
 7. 7/1/2013-6/30/2014 Improving Preterm Outcomes by Safeguarding Maternal Mental Health (5R01HD072069-02)
 Role: Site Co-Investigator (PI: Silverstein)
 Agency: NICHD/NIH
 Total Costs: \$25,344
 8. 6/30/2014-5/31/2015 Partnering with Parents, the Medical Home and Community Providers to Improve Transition Services and Outcomes of all High Risk Preterm Infants in RI (1C1CMS330993-01-00)
 Role: Co-Investigator (PI: Vohr)
 Agency: Center for Medicare and Medicaid Services
 Total Costs: \$3,200,000
 9. 9/3/2013-8/31/2018 Neonatal Neurobehavior and Outcomes in Very Preterm Infants (NOVI) (1R01HD072267-01)
 Role: Co-Investigator/Site PI (PI: Lester/O'Shea)
 Agency: NIH/NICHD
 Total Direct Costs: \$3,446,810

Active Grant Awards

1. 9/1/16-8/31/2023 Environmental Influences on Neurodevelopmental Outcomes in Infants Born Very Preterm (1UG30D023347-01)
 Role: Site Co-Investigator (PI: Lester/Marsit)
 Agency: NIH
 Total Direct Costs: \$2,813,379
2. 4/1/2016-3/31/2021 Multicenter Network of Neonatal Intensive Care Units, Neonatal Network Follow-up Coordination (U10HD027904-26)
 Role: Co-Investigator (PI: Laptook)
 Agency: NIH/NICHD
 Total Direct Costs: \$296,262

HOSPITAL TEACHING ROLES**TRAINING OF GRADUATE STUDENTS/POST DOCTORAL****Neonatal Fellows**

2009-2012	Julie Bartholomew, MD	Clinical mentor
2010-2013	Anjeli Iyengar, MD	Clinical mentor
2013-2014	Annette Scheid, MD	Clinical mentor
2010-2012	Julie Bartholomew, MD	QI Research supervisor
2010-2012	Rebecca Hoban, MD	QI Research supervisor
2011-2013	Carmina Erdei, MD	QI Research supervisor
2011-2013	Sharheel Khaira, MD	QI Research supervisor
2018-2019	Ravi D'Cruz, MD	QI Research supervisor
2017-2019	Catherine Buck, MD	Scholarly Oversight
2018-	Julie Mayne, MD	Scholarly Oversight
2018-	Ogo Nwanne, MD	Scholarly Oversight
2019-	Ogo Nwanne, MD	Clinical Mentor
2019 -	Alison Little, MD	Research Mentor
2020 -	Lauren Boudreau, DO	Research Mentor

Pediatric Residents

2010-2012	Carol Ilzarbe, MD	Scholarly project mentor (Tufts)
2010-2012	Nicole Grady, MD	Scholarly project mentor (Tufts)
2018-	Heli Shah, MD	Scholarly project mentor (Hasbro)

Other

2012	Kyndra Liburd	Tufts University School of Medicine MS thesis reader
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Mentee Supervision

2015-2016	Nan Du, MD	Brown Medical School, Scholarly Project Mentor
2015-2016	Alicia Hersey	Brown University Undergraduate
2016-2017	Meg Mouri	Brown University Undergraduate
2017-2018	Layla Abdulla	Brown University Undergraduate

Academic Advisor

2019-	Ian Hopewood, MD	Hasbro Children's Hospital, Resident
2019-	Ilyse Genser, MD	Hasbro Children's Hospital, Resident
2019-	Heli Shah, MD	Hasbro Children's Hospital, Resident
2020-	Victoria Quinn	Hasbro Children's Hospital, Resident
2020-	Alexandra Varga	Hasbro Children's Hospital, Resident
2020-	Kris Klemmer	Hasbro Children's Hospital, Resident

PEDIATRIC RESIDENCY CURRICULUM

2008-current Stabilization of tachypnea, Infant of diabetic mother, Basics of intraventricular hemorrhage, Ventilator management, Respiratory Distress Syndrome, Developmental outcomes in NICU graduates (repeated lectures)
The NICHD NRN SUPPORT Study (Pediatric Resident Research Conference)

PEDIATRIC/OB FELLOWSHIP CURRICULUM

(Newborn Medicine, Maternal/Fetal Medicine and Developmental/Behavioral Pediatrics)

2009–present Neurodevelopment I & II, Solid Tumors, Growth Restriction & SGA, Cerebellar Injury, Late Preterm Outcomes, Basics of Hearing, Vision and Nutrition in Follow Up, Preterm Infant Short Term Morbidities & Long Term Development (repeated lectures)

TEACHING AIDS

2004 *Women & Infants' Hospital NICU Transport Manual for Residents & Fellows.*

Co-author of reference for house staff participating in transports of the critically ill infant, including assessments and stabilizations pertaining to most major medical illnesses.

WORKSHOPS

National

2015 Neuromotor Training for Multi-Center Trial (NOVI), Leader

Local

2015-present Women & Infant's Hospital, Difficult Conversations Workshop (Neonatal Fellows) held 3 times per yea