

March 16, 2021

CURRICULUM VITAE  
ABBOT R. LAPTOOK, M.D.

Department of Pediatrics  
Women & Infants Hospital of Rhode Island  
101 Dudley Street  
Providence, RI 02905  
(401) 274-1122 x 47421  
(401) 453-7571 (fax)  
alaptook@wihri.org

EDUCATION

Undergraduate: Clark University, Worcester, Massachusetts  
Biology, B.A., 09/1968-05/1972  
Phi Beta Kappa, 1972

Medical School: State University of New York at Downstate, Brooklyn, New York  
Medicine, M.D., 09/1972-05/1976

POSTGRADUATE TRAINING

Internship: Long Island Jewish-Hillside Medical Center (Pediatrics)  
New Hyde Park, New York  
07/1976- 06/1977

Residency: Long Island Jewish-Hillside Medical Center (Pediatrics)  
New Hyde Park, New York  
07/1977-06/1979

Fellowship: Postdoctoral Fellow, Division of Neonatology  
Women & Infants Hospital of Rhode Island  
Providence, Rhode Island  
07/1979-06/1981

POSTGRADUATE HONORS AND AWARDS

Samuel Karelitz Intern of the Year, 1977  
Long Island Jewish-Hillside Medical Center, New Hyde Park, NY  
Pediatric Neurology Award, 1979  
Long Island Jewish-Hillside Medical Center, New Hyde Park, NY  
Most Outstanding House Staff Member (1976-1979), 1979  
Long Island Jewish-Hillside Medical Center, New Hyde Park, NY  
Faculty Teaching Award, 1984  
Children's Medical Center, Dallas, TX

Master of Arts ad eundem, 2005  
Brown University, Providence, RI  
Selected, Best Doctors in America, 2011-2016

MILITARY SERVICE none

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Licensure: New York (#146354-1) 1981- present  
Texas (#G1699) 1981-2019  
Rhode Island (#11300) 2003 - present  
Massachusetts (#219679) 2003 - present  
Connecticut (#047047) 2008-2017

Board Certification: Diplomate, National Board of Medical Examiners  
July 01, 1977 (167531)

Diplomate, American Board of Pediatrics  
February 01, 1981 (#25555)

Diplomate, Sub-Board of Neonatal-Perinatal Medicine  
October 23, 1981 (#950)

ACADEMIC APPOINTMENTS

Professor of Pediatrics  
The Warren Alpert Medical School of Brown University, Providence, RI  
2004-2019

Professor of Pediatrics and Obstetrics/Gynecology  
University of Texas Southwestern Medical Center at Dallas, Dallas, TX  
1995-2003

Acting Director, Division of Neonatal-Perinatal Medicine  
University of Texas Southwestern Medical Center at Dallas, Dallas, TX  
1991-1992

Associate Professor of Pediatrics and Obstetrics/Gynecology  
University of Texas Southwestern Medical Center at Dallas, Dallas, TX  
1988-1995

Assistant Professor of Pediatrics and Obstetrics/Gynecology  
University of Texas Southwestern Medical Center at Dallas, Dallas, TX  
1981-1987

## HOSPITAL APPOINTMENTS

Consulting (Non-Admitting)  
Newport Hospital, Newport, RI  
October 19, 2016-present

Associate (Non-Admitting/No Clinical Privileges)  
Rhode Island Hospital, Providence, RI  
June 1, 2011-present

Affiliate Staff  
The William W. Backus Hospital, Norwich, CT  
October 28, 2008-2017

Affiliate Staff  
Kent Hospital, Warwick, RI  
June 17, 2008-present

Medical Director, Neonatal Intensive Care Unit  
Women & Infants Hospital of Rhode Island, Providence, RI  
October 1, 2004-present

Staff Neonatologist  
Women & Infants Hospital of Rhode Island, Providence, RI  
January 5, 2004-present

Medical Director, Newborn Nursery  
Parkland Memorial Hospital, Dallas, TX  
1986-2003

Grand Rounds Coordinator  
University of Texas Southwestern Medical Center at Dallas  
Department of Pediatrics, Dallas, TX  
1986-2003

Staff Neonatologist  
Parkland Memorial Hospital, Dallas, TX  
1981-2003

Staff Neonatologist  
Children's Medical Center, Dallas, TX  
1981-2003

Staff Neonatologist  
St. Paul Medical Center, Dallas, TX  
1981-2003

## OTHER APPOINTMENTS

1984-1986	Co-Chairman, Health Professional Advisory Committee, National Foundation - March of Dimes, North Texas Chapter
1986-1988	Member, Health Professional Advisory Committee, National Foundation - March of Dimes, North Texas Chapter

## HOSPITAL COMMITTEES

### Women & Infants Hospital of Rhode Island

2004-2012	Continuing Medical Education Committee
2004-2005	Interim NICU Renovation Committee
2004-2012	NICU Steering Committee, Building for the Future
2004-2006	Analysis of Delivery Resuscitation, Quality Assurance Committee
2005-2020	Chair, Infant Code Committee
2005-present	Infant Code Committee
2005-2006	Maternal Fetal Medicine Search Committee
2005-2018	NICU Developmental Education Care Committee
2006-2010	OB/Newborn Service Line Evaluation
2006-2020	NICU Transport Committee
2006-2013	NICU Family Advisory Council
2007-present	Sepsis Taskforce
2010-2012	FELT, Faculty Enterprise Leadership Team
2010-2015	Research Oversight Committee
2011-present	Quest: Team Training Advisory Committee
2013-2016	Physician Compensation Steering Committee
2014-2016	CNE Physician Deployment Workgroup
2014-present	Clinical Competency Committee, Neonatal-Perinatal Fellowship
2015-2017	T-3 Initiative, Clinical Optimization Implementation Team
2016-2018	CNE Transfusion Committee
2016-2020	Patient ONTRAC

### Hasbro Children's Hospital, Department of Pediatrics

2007	Pediatric Surgeon Search Committee
2009	Chair, Section Chief/Program Director Search, Pediatric Cardiology
2012	Chair, Clinical Geneticist Search, Human Genetics Division
2013-2014	Associate Professor Search, Pediatric Allergy & Immunology Division
2015-2016	Director of Pediatric Endocrinology Search
2017-present	Division Director of Pediatric Neurology Search
2018	Division Director of Maternal Fetal Medicine Search
2019-present	Member, Pediatric Surgery, Performance Improvement & Patient Safety Committee

### Children's Medical Center, Dallas

1986-2003	Chair, Continuing Education Committee
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### Parkland Memorial Hospital

1984-1989	Standardization Subcommittee Medical Advisory Council
1986-2003	Abortion Advisory Committee
1989-1995	Medical Staff Laboratory Advisory Committee
1989-1995	Utilization Review Committee
1996-1997	Parkland Managed Care Task Force

## UNIVERSITY COMMITTEES

1989-2003 Institutional Review Board for Animal Research,  
UT-Southwestern Medical Center at Dallas (Alternate)

## EXTERNAL COMMITTEES

2012-2015 Data Safety Monitoring Committee, California Transport Cooling Trial  
2015-2020 Chair, Data Safety Monitoring Committee for the Hypothermia for  
Encephalopathy in Low and Middle Income Countries (HELIX) Trial  
2016 Chair, Data Safety Monitoring Committee, Phase II Multi-site Study  
Autologous Cord Blood Cells for Hypoxic Ischemic Encephalopathy  
2020 Data Safety Monitoring Committee, TIME Study: An RCT of  
Therapeutic Hypothermia for Infants with Mild Encephalopathy in  
California

## EDITORIAL REVIEWER

Archives of Disease in Childhood  
Biology of Neonate  
Brain Research  
British Medical Journal  
Early Human Development  
Intensive Care Medicine  
Journal of Applied Physiology  
Journal of Cerebral Blood Flow Metabolism  
Journal of Neonatal and Perinatal Medicine  
Journal of Perinatology  
Journal of Pediatric Neurology  
Journal of Pediatric Surgery  
Journal of Pediatrics  
Journal of the American Medical Association  
Journal of the Society for Gynecologic Investigation  
Obstetrics and Gynecology  
Pediatric Infectious Disease Journal  
Pediatric Radiology  
Pediatric Research  
Pediatrics  
Pediatrics International  
Resuscitation  
Stroke

## MEMBERSHIP IN SOCIETIES

1981 Texas Perinatal Association  
1987 Dallas County Medical Society  
1988 Society for Pediatric Research  
1992 Texas Pediatric Society  
1995 American Pediatric Society  
2004 Fellow, American Academy of Pediatrics

## COMMUNITY SERVICE

1994-2001 G.L.O.W. Youth Volunteers: Giving and Learning Our Way, Dallas, TX

## ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Laptook A, Wind E, Nussbaum M, Schenker IR: Pulmonary nodules in atypical measles. *Pediatrics* 62:42-6, 1978.
2. Laptook A, Oh W: Transcutaneous carbon dioxide monitoring in the newborn period. *Crit Care Med* 9:759-60, 1981.
3. Fruchter L, Laptook A: Diphenylhydantion hypersensitivity reaction associated with interstitial pulmonary infiltrates and hyper eosinophilia. *Ann of Allergy* 47:453-5, 1981.
4. Laptook A, Stonestreet BS, Oh W: Autoregulation of brain blood flow in the newborn piglet: Regional differences in flow reduction during hypotension. *Early Human Dev* 6:99-107, 1982.
5. Laptook A, Stonestreet BS, Oh W: The effects of different rates of plasmanate infusions upon brain blood flow after asphyxia and hypotension in newborn piglets. *J Pediatr* 100:791-6, 1982.
6. Stonestreet BS, Laptook A, Schanler R, Oh W: Hemodynamic responses to asphyxia in spontaneously breathing newborn term and premature lambs. *Early Human Dev* 7:81-97, 1982.
7. Laptook A, Stonestreet BS, Oh W: Brain blood flow and O<sub>2</sub> delivery during hemorrhagic hypotension in the piglet. *Pediatr Res* 17:77-80, 1983.
8. Stonestreet BS, Hansen NB, Laptook A, Oh W: Glucocorticoid accelerates renal functional maturation in fetal lambs. *Early Human Dev* 8:331-41, 1983.
9. Laptook A, Stonestreet BS, Oh W: The effect of carotid artery ligation on brain blood flow in newborn piglets. *Brain Res* 276:51-4, 1983.
10. Stonestreet BS, Laptook AR, Siegel SR, Oh W: The renal response to acute asphyxia in spontaneously breathing newborn lambs. *Early Human Dev* 9:347-61, 1984.
11. Laptook AR, Rosenfeld CR: Chloral hydrate toxicity in a preterm infant. *Pediatr Pharmacol* 4:161-5, 1984.
12. Mason JI, MacDonald AA, Laptook A: The activity and biosynthesis of cholesterol side-chain cleavage enzyme in cultured immature pig tissue cells. *Biochem Biophys Acta* 795:504-12, 1984.
13. Hogg RJ, Pucacco LR, Carter NW, Laptook AR, Kokko JP: In situ PCO<sub>2</sub> in the renal cortex, liver, muscle and brain of the New Zealand white rabbit. *Am J Physiol* 247:F491-F498, 1984.
14. Laptook AR, Rosenfeld CR: Cerebral vascular responses to tolazoline infusions in the piglets. *Early Human Dev* 11:81-90, 1985.

15. Laptook AR: The effects of sodium bicarbonate on brain blood flow and O<sub>2</sub> delivery during hypoxemia and acidemia in the piglet. *Pediatr Res* 19:815-19, 1985.
16. Perales AJ, Naden RP, Laptook A, Rosenfeld CR: Fetal responses to maternal infusions of angiotensin II. *Am J Obstet Gynecol* 154:195-203, 1986.
17. Faucher DJ, Lowe TW, Magness RR, Laptook AR, Porter JC, Rosenfeld CR: Vasopressin and catecholamine secretion during metabolic acidemia in the ovine fetus. *Pediatr Res* 21:38-43, 1987.
18. Laptook AR, Peterson J, Porter AM: Cerebral lactic acid delivery and uptake during and after ischemia in the piglet. *Neurology* 37:1549-52, 1987.
19. Corbett RJT, Laptook AR, Nunnally RL: The use of the chemical shift of the phosphomonoester P-31 magnetic resonance peak for the determination of intracellular pH in the brains of neonates. *Neurology* 37:1771-9, 1987.
20. Laptook AR, Peterson J, Porter AM: Effects of lactic acid infusions and pH on cerebral blood flow and metabolism. *J Cereb Blood Flow Metab* 8:193-200, 1988.
21. Laptook AR, Corbett RJT, Nguyen HT, Peterson J, Nunnally RL: Alterations in cerebral blood flow and phosphorylated metabolites in piglets during and after partial ischemia. *Pediatr Res* 23:206-11, 1988.
22. Corbett RJT, Laptook AR, Hassan A, Nunnally RL: Quantitation of acidosis in neonatal brain tissue using the 31P NMR resonance peak of phosphoethanolamine. *Magn Reson Med* 6:99-106, 1988.
23. Faucher DJ, Laptook AR, Parker CR, Porter JC, Rosenfeld CR: Increased fetal secretion of ACTH and cortisol by arginine vasopressin. *Am J Physiol* 254:R410-16, 1988.
24. Laptook AR, Corbett RJT, Hassan A, Peterson J, Nunnally RL: Effects of repeated ischemia on cerebral blood flow and brain energy metabolism. *NMR Biomed* 1:74-9, 1988.
25. Corbett RJT, Laptook AR, Nunnally RL, Hassan A, Jackson J: Intracellular pH, lactate and energy metabolism in neonatal brain during partial ischemia measured in vivo by 31P and 1H nuclear magnetic resonance spectroscopy. *J Neurochem* 51:1501-9, 1988.
26. Laptook AR, Corbett RJT, Uauy R, Mize C, Mendelsohn D, Nunnally RL: Use of 31P magnetic resonance spectroscopy to characterize evolving brain damage after perinatal asphyxia. *Neurology* 39:709-19, 1989.
27. Corbett RJT, Laptook AR: Acid homeostasis following partial ischemia in neonatal brain measured in vivo by <sup>31</sup>P and <sup>1</sup>H nuclear magnetic resonance spectroscopy. *J Neurochem* 54:1208-17, 1990.

28. Laptook AR, Corbett RJT, Nunnally RL: Effect of plasma glucose concentration on cerebral metabolism during partial ischemia in neonatal piglets. *Stroke* 21:435-440, 1990.
29. Rosenfeld CR, Laptook AR, Jeffrey J: Limited effectiveness of triple dye in preventing colonization with methicillin-resistant staphylococcus aureus in a Special Care Nursery. *Pediatr Infect Dis J* 9:290-1, 1990.
30. Strand C, Laptook AR, Dowling S, Campbell N, Laskey RE, Wallin LA, Maravilla AM, Rosenfeld CR: Neonatal intracranial hemorrhage: I. Changing pattern in inborn low-birth-weight infants. *Early Human Dev* 23:117-28, 1990.
31. Wallin LA, Rosenfeld CR, Laptook AR, Maravilla AM, Strand C, Campbell N, Dowling S, Laskey RE: Neonatal intracranial hemorrhage: II. Risk factor analysis in an inborn population. *Early Human Dev* 23:129-37, 1990.
32. Corbett RJT, Laptook AR, Olivares E: Simultaneous measurement of cerebral blood flow and energy metabolites in piglets using deuterium and phosphorus nuclear magnetic resonance. *J Cereb Blood Flow Metab* 11:55-65, 1991.
33. Faucher DJ, Laptook AR, Porter JC, Rosenfeld CR: Effects of acute hypercapnia on maternal and fetal vasopressin and catecholamine release. *Pediatr Res* 30:368-74, 1991.
34. Corbett RJT, Laptook AR, Ruley JR, Garcia D: The effect of age on glucose modulated cerebral agonal glycolytic rates measured in vivo by  $^1\text{H}$  NMR spectroscopy. *Pediatr Res* 30:579-86, 1991.
35. Corbett SS, Rosenfeld CR, Laptook AR, Risser R, Maravilla AM, Dowling S, Lasky R: Intraobserver and interobserver reliability in assessment of neonatal cranial ultrasounds. *Early Human Dev* 27:9-17, 1991.
36. Laptook AR, Corbett RJT, Ruley J, Olivares E: Blood flow and metabolism during and after repeated partial brain ischemia in neonatal piglets. *Stroke* 23:380-7, 1992.
37. Corbett RJT, Laptook AR, Garcia D, Ruley JI: Cerebral acid buffering capacity at different ages measured in vivo by  $^{31}\text{P}$  and  $^1\text{H}$  nuclear magnetic resonance spectroscopy. *J Neurochem* 59:216-26, 1992.
38. Laptook AR, Corbett RJT, Arencibia-Mireles O, Ruley J: Glucose-associated alterations in ischemic brain metabolism of neonatal piglets. *Stroke* 23:1504-11, 1992.
39. Corbett RJT, Laptook AR, Garcia D, Ruley JI: Energy reserves and utilization rates in developing brain measured in vivo by  $^{31}\text{P}$  and  $^1\text{H}$  nuclear magnetic resonance spectroscopy. *J Cereb Blood Flow Metabol* 13:235-46, 1993.
40. Corbett RJT, Laptook AR:  $^{31}\text{P}$  NMR relaxation does not affect the quantitation of changes in phosphocreatine, inorganic phosphate and ATP measured in vivo during complete ischemia in swine brain. *J Neurochem* 61:144-149, 1993.



41. Corbett RJT, Laptook AR, Sterett R, Tollefsbol G, Garcia D: The effect of hypercarbia on age-related changes in cerebral glucose transport and glucose modulated agonal glycolytic rates. *Pediatr Res* 34:370-8, 1993.
42. Laptook AR, Corbett RJT, Arencibia-Mireles O, Ruley J, Garcia D: The effects of systemic glucose concentration on brain metabolism following repeated brain ischemia. *Brain Res* 638:78-84, 1994.
43. Laptook AR, Corbett RJT, Sterett R, Burns DK, Tollefsbol G, Garcia D: Modest hypothermia provides partial neuroprotection for ischemic neonatal brain. *Pediatr Res* 35:436-42, 1994.
44. Corbett RJT, Laptook AR: Age related changes in swine brain creatine kinase catalyzed  $^{31}\text{P}$  exchange measured in vivo using  $^{31}\text{P}$  NMR magnetization transfer. *J Cereb Blood Flow Metabol* 14:1070-7, 1994.
45. Corbett RJT, Laptook AR, Tollefsbol G, Kim B: Validation of a noninvasive method to measure brain temperature in vivo using  $^1\text{H}$  NMR spectroscopy. *J Neurochem* 64:1224-30, 1995.
46. King TA, Perlman JM, Laptook AR, Rollins N, Jackson G, Little B: Neurologic manifestations of in-utero cocaine exposure in near term and term infants. *Pediatr* 96:259-64, 1995.
47. Laptook AR, Corbett RJT, Sterett R, Garcia D, Tollefsbol G: Quantitative relationship between brain temperature and energy utilization rate measured in vivo using  $^{31}\text{P}$  and  $^1\text{H}$  magnetic resonance spectroscopy. *Pediatr Res* 38:919-25, 1995.
48. Corbett, RJT, Sterett R, Laptook AR: Evaluation of potential effectors of agonal glycolytic rate in developing brain measured in vivo by  $^{31}\text{P}$  and  $^1\text{H}$  nuclear magnetic resonance spectroscopy. *J Neurochem* 64:322-31, 1995.
49. Laptook AR, Corbett RJT, Burns D, Sterett R: Neonatal ischemic neuroprotection by modest hypothermia is associated with attenuated brain acidosis. *Stroke* 26:1240-6, 1995.
50. Corbett RJT, Laptook AR, Sterett R, Tollefsbol G, Garcia D: Effect of hypoxia on glucose-modulated cerebral lactic acidosis, agonal glycolytic rates, and energy utilization. *Pediatr Res* 39:477-486, 1996.
51. Corbett RJT, Gee J, Laptook AR: Calculation of intracellular cerebral  $[\text{Mg}^{2+}]$  during hypoxia-ischemia by in vivo  $^{31}\text{P}$  NMR. *Neuro Report* 8:287-291, 1996.
52. Sanchez PJ, Laptook AR, Fisher L, Sumner J, Risser RC, Perlman JM: Apnea following immunization of preterm infants. *J Pediatr* 130:746-751, 1997.
53. Laptook AR, Corbett RJT, Sterett R, Burns DK, Garcia D, Tollefsbol G: Modest hypothermia provides partial neuroprotection when used for immediate resuscitation following brain ischemia. *Pediatr Res* 42:1-7, 1997.

54. Corbett RJT, Laptook A, Weatherall P: Noninvasive measurements of human brain temperature using volume-localized proton magnetic resonance spectroscopy. *J Cereb Blood Flow Metabol* 17:363-9, 1997.
55. King TA, Jackson GL, Josey AS, Vedro DA, Hawkins H, Burton KM, Burks MN, Yellin WM, Laptook AR: The effect of profound umbilical artery acidemia in term neonates admitted to a Newborn Nursery. *J Pediatr* 132:624-9, 1998.
56. Corbett RJT, Laptook AR: Failure of localized head cooling to reduce brain temperature in adult humans. *Neuro Report* 9:2721-5, 1998.
57. Corbett RJT, Laptook A, Gee J, Garcia D, Silmon S, Tollefsbol G: Age related differences in the effect of dichloroacetate on postischemic lactate and acid clearance in vivo using magnetic resonance spectroscopy and microdialysis. *J Neurochem* 71:1205-14, 1998.
58. Corbett RJT, Laptook A, Kim B, Tollefsbol G, Silmon S, Garcia D: Maturational changes in cerebral lactate and acid clearance following ischemia measured in-vivo using magnetic resonance spectroscopy and microdialysis. *Dev Brain Research* 113:37-46, 1999.
59. Corbett R, Batista A, Laptook A, Sherry D: A macrocyclic reporter ligand for  $Mg^{2+}$ : Analytical implications for clinical magnesium determinations. *Magnesium Res* 12(2):79-88, 1999.
60. Engle WD, Laptook AR, Perlman JM: Acute changes in arterial carbon dioxide tension and acid-base status and early neurologic characteristics in term infants following perinatal asphyxia. *Resuscitation* 42:11-17, 1999.
61. Corbett RJT, Purdy PD, Laptook AR, Chaney C, Garcia D: Noninvasive measurement of brain temperature after stroke. *Am J Neuroradiol* 20:1851-7, 1999.
62. Gee JB, Corbett RJT, Perlman JM, Garcia D, Laptook AR: Age dependent differences in the relationship between plasma and brain extracellular fluid concentrations of magnesium after  $MgSO_4$  infusions in miniswine. *Pediatr Res* 46:281-6, 1999.
63. Laptook AR, Corbett RJT, Burns DK, Sterett R: A limited interval of delayed modest hypothermia for ischemic brain resuscitation is not beneficial in neonatal swine. *Pediatr Res* 46:383-9, 1999.
64. Batista A, Corbett R, Tidor S, Castleman E, Laptook A, Sherry D: Comparison of the distribution of magnesium in plasma determined by size exclusion chromatography and  $^{31}P$  NMR spectroscopy. *Magnesium Res* 13:3-9, 2000.
65. Jackson GL, Kennedy KA, Sendelbach DM, Talley DH, Aldridge CL, Vedro DA, Laptook AR: Problem identification in apparently well neonates: Implications for early discharge. *Clinical Pediatrics* 39:581-90, 2000.

66. Gee JB, Corbett RJT, Perlman JM, Laptook AR: Hypermagnesemia does not increase brain intracellular Mg in newborn swine. *Pediatric Neurology* 25:304-8, 2001.
67. Laptook AR, Shalak L, Corbett RJT: Differences in brain temperature and cerebral blood flow during selective head versus whole body cooling. *Pediatrics* 108:1103-10, 2001.
68. Stark AR, Carlo WA, Tyson JE, Papile LA, Wright LL, Shankaran S, Donovan EF, Oh W, Bauer CR, Saba S, Poole KW, Stoll BJ, Fanaroff AA, Ehrenkranz RA, Korones SB, Stevenson DK: Adverse effects of early dexamethasone treatment in extremely low birth weight infants. *N Engl J Med* 344:95-101, 2001.
69. Carlo WA, Stark AR, Wright LL, Tyson JE, Papile LA, Shankaran S, Donovan EF, Oh W, Bauer CR, Saba S, Poole K, Stoll B for the NICHD Neonatal Research Network: Minimal ventilation to prevent bronchopulmonary dysplasia in extremely-low-birth-weight infants. *J Pediatr* 141:370-5, 2002.
70. Shankaran S, Laptook A, Wright LL, Ehrenkranz RA, Donovan EF, Fanaroff AA, Stark AR, Tyson JE, Poole K, Carlo WA, Lemons JA, Oh W, Stoll BJ, Papile LA, Bauer C, Stevenson DK, Korones SB, McDonald S: Whole body hypothermia for neonatal encephalopathy: Animal observations as a basis for a randomized controlled pilot study in term infants. *Pediatrics* 110:377-85, 2002.
71. Shalak L, Laptook AR, Jafri HS, Ramilo O, Perlman JM: Clinical chorioamnionitis, elevated cytokines and brain injury in term infants. *Pediatrics* 110:673-80, 2002.
72. Stoll BJ, Hansen N, Fanaroff AA, Wright LL, Carlo WA, Ehrenkranz RA, Lemons JA, Donovan EF, Stark AR, Tyson JE, Oh W, Bauer CR, Korones SB, Shankaran S, Laptook AR, Stevenson DK, Papile LA, Poole WK: Changes in pathogens causing early onset sepsis in very-low-birth-weight infants. *N Engl J Med* 347:240-7, 2002.
73. Stoll BJ, Hansen N, Fanaroff AA, Wright LL, Carlo WA, Ehrenkranz RA, Lemons JA, Donovan EF, Stark AR, Tyson JE, Oh W, Bauer CR, Korones SB, Shankaran S, Laptook AR, Stevenson DK, Papile LA, Poole WK: Late onset sepsis in very low birth weight neonates: The experience of the NICHD Neonatal Research Network. *Pediatrics* 110:285-91, 2002.
74. Shalak LF, Laptook AR, Velaphi SC, Perlman JM: The amplitude integrated EEG coupled with an early neurological examination enhances prediction of term infants at risk for persistent encephalopathy. *Pediatrics* 111:351-7, 2003.
75. Wadhawan R, Vohr BR, Fanaroff AA, Perritt RL, Duara S, Stoll BJ, Goldberg R, Laptook A, Poole K, Wright L, Oh W: Does labor influence neonatal and neurodevelopmental outcomes of extremely low birth weight infants delivered by cesarean section. *Am J Obstet Gynecol* 189:501-6, 2003.
76. Poindexter BB, Ehrenkranz RA, Stoll BJ, Koch MA, Wright LL, Oh W, Papile LA, Bauer CR, Carlo WA, Donovan EF, Fanaroff AA, Korones SB, Laptook AR, Shankaran S, Stevenson DK, Tyson JE, Lemons JA and the NICHD Neonatal Research Network: Effect of parenteral glutamine supplementation on plasma amino acid concentrations in extremely low-birth-weight infants. *Am J Clin Nutr* 77:737-43, 2003.

77. Gee JB, Corbett RT, Perlman JM, Laptook AR: The effects of systemic magnesium sulfate infusion on brain magnesium concentration and energy state during hypoxia-ischemia in newborn mini-swine. *Pediatr Res* 55:93-100, 2004.
78. Konduri GG, Solimano A, Sokol GM, Singer J, Ehrenkranz RA, Singhal N, Wright LL, Van Meurs K, Stork E, Kirpalani H, Peliowski A, for the Neonatal Inhaled Nitric Oxide Study Group: A randomized trial of early versus standard inhaled nitric oxide therapy in term and near term newborn infants with hypoxic respiratory failure. *Pediatrics* 113:559-64, 2004.
79. Poindexter BB, Ehrenkranz RA, Stoll BJ, Wright LL, Poole WK, Oh W, Bauer CR, Papile LA, Tyson JE, Carlo WA, Laptook AR, Narendran V, Stevenson DK, Fanaroff AA, Korones SB, Shankaran S, Finer NN, Lemons JA: Parenteral glutamine supplementation does not reduce the risk of mortality or late-onset sepsis in extremely low birth weight infants. *Pediatrics* 113:1209-15, 2004.
80. Salhab WA, Wyckoff MH, Laptook AR, Perlman JM: Initial hypoglycemia and neonatal brain injury in term infants with severe fetal acidemia. *Pediatrics* 114:361-6, 2004.
81. Stoll BJ, Hansen N, Fanaroff AA, Wright LL, Carlo WA, Ehrenkranz RA, Lemons JA, Donovan EF, Stark AR, Tyson JE, Oh W, Bauer CR, Korones SB, Shankaran S, Laptook AR, Stevenson DK, Papile LA, Poole WK. To tap or not to tap: High likelihood of meningitis without sepsis among very low birth weight infants. *Pediatrics* 113(5):1181-6, 2004.
82. Shoup AG, Owen KE, Jackson G, Laptook AR: The Parkland Memorial Hospital experience in assuring compliance with universal newborn hearing screening follow-up. *J Pediatr* 146(1):66-72, 2005.
83. Wyckoff MH, Perlman JM, Laptook AR: Use of volume expansion during delivery room resuscitation in near-term and term infants. *Pediatrics* 115(4):950-5, 2005.
84. Wyckoff MH, El-Turk C, Laptook A, Timmons C, Gannon FH, Zhang X, Mumm S, Whyte MP: Neonatal lethal osteochondrodysplasia with low serum levels of alkaline phosphatase and osteocalcin. *J Clin Endocrinol Metab* 90(2):1233-40, 2005.
85. Laptook AR, O'Shea TM, Shankaran S, Bhaskar B, NICHD Neonatal Network: Adverse neurodevelopmental outcomes among extremely low birth weight infants with a normal head ultrasound: Prevalence and antecedents. *Pediatrics* 115(3):673-80, 2005.
86. Mendez DR, Corbett R, Macias C, Laptook A: Total and ionized plasma magnesium concentrations in children after traumatic brain injury. *Pediatr Res* 57(3):347-52, 2005.
87. Hintz SR, Poole WK, Wright LL, Fanaroff AA, Kendrick DE, Laptook AR, Goldberg R, Duara S, Stoll BJ, Oh W. Changes in mortality and morbidities among infants born at less than 25 weeks during the post-surfactant era. *Arch Dis Child Fetal Neonatal Ed* 90(2):F128-33, 2005. PMC1721837

88. Van Meurs KP, Wright LL, Ehrenkranz RA, Lemons JA, Ball MB, Poole WK, Perritt R, Higgins RD, Oh W, Hudak ML, Laptook AR, Shankaran S, Finer NN, Carlo WA, Kennedy KA, Fridriksson JH, Steinhorn RH, Sokol GM, Konduri GG, Aschner JL, Stoll BJ, D'Angio CT, Stevenson DK for the NICHD Neonatal Research Network. Inhaled nitric oxide for premature infants with severe respiratory failure. *N Engl J Med* 353(1):13-22, 2005.
89. Shalak LF, Perlman JM, Jackson GL, Laptook AR. Depression at birth in term infants exposed to maternal chorioamnionitis: Does neonatal fever play a role? *J Perinatol* 25(7):447-52, 2005.
90. Stoll BJ, Hansen NI, Higgins RD, Fanaroff AA, Duara S, Goldberg R, Laptook A, Walsh M, Oh M, Hale E, for the National Institute of Child Health and Human Development. Very low birth weight preterm infants with early onset neonatal sepsis: The predominance of gram-negative infections continues in the NICHD Neonatal Research Network, 2002-2003. *Pediatr Infect Dis J* 24(7):635-9, 2005.
91. Shankaran S, Laptook AR, Ehrenkranz RA, Tyson JE, McDonald SA, Donovan EF, Fanaroff AA, Poole WK, Wright LL, Higgins RD, Finer NN, Carlo WA, Duara S, Oh W, Cotton CM, Stevenson DK, Stoll BJ, Lemons JA, Guillet R, Jobe AH for the NICHD Neonatal Research Network. Whole-body hypothermia for neonates with hypoxic-ischemic encephalopathy. *N Engl J Med* 353:1574-84, 2005.
92. Walsh M, Engle W, Laptook A, Kazzi SN, Buchter S, Rasmussen M, Qing Y: Oxygen delivery through nasal cannulae to preterm infants: Can practice be improved? *Pediatrics* 116:857-61, 2005.
93. Michael Cotten C, Oh W, McDonald S, Carlo WA, Fanaroff AA, Duara S, Stoll BJ, Laptook AR, Poole WK, Wright LL, Goldberg RN: Prolonged hospital stay for extremely premature infants: Risk factors, center differences, and the impact of mortality on selecting a best-performing center. *J Perinatol* 25:650-5, 2005.
94. Oh W, Poindexter BB, Perritt R, Lemons JA, Bauer CR, Ehrenkranz RA, Papile LA, Stoll BJ, Poole WK, Wright LL: Association between fluid intake and weight loss during the first ten days of life and risk of bronchopulmonary dysplasia in ELBW infants. *J Pediatr* 147:786-90, 2005.
95. Blakely ML, Lally KP, McDonald S, Brown RL, Barnhart DC, Ricketts RR, Thompson WR, Scherer LR, Klein MD, Letton RW, Chwals WJ, Touloukian RJ, Kurkchubasche AG, Skinner MA, Moss RL, Hilfiker ML, and the NEC Subcommittee of the NICHD Neonatal Research Network: Postoperative outcomes of extremely low birth-weight infants with necrotizing enterocolitis or isolated intestinal perforation: A prospective cohort study by the NICHD Neonatal Research Network. *Annals of Surgery* 241:984-9; discussion 989-94, 2005.
96. Benjamin DK Jr, Stoll BJ, Fanaroff AA, McDonald SA, Oh W, Higgins RD, Duara S, Poole K, Laptook A, Goldberg R and on behalf of the NICHD Neonatal Research Network: Neonatal candidiasis among extremely low birth weight infants: Risk factors, mortality rates, and neurodevelopmental outcomes at 18 to 22 months. *Pediatrics* 117:84-92, 2006.

97. Laptook A, Salhab W, Allen J, Saha S, Walsh M. Pulse Oximetry in Very Low Birth Weight Infants: Can Oxygen Saturation Be Maintained in the Desired Range?. *J Perinatol* 26:337-41, 2006.
98. Shankaran S, Langer JC, Kazzi N, Laptook AR, Walsh M, for the NICHD Neonatal Research Network: Cumulative index of exposure to hypocarbia and hyperoxia as risk factors for periventricular leukomalacia in low birth weight infants. *Pediatrics* 118:1654-9, 2006.
99. Ambalavanan N, Carlo W, Shankaran S, Bann C, Emrich S, Higgins R, Tyson J, O'Shea T, Laptook A, Ehrenkranz R, Donovan E, Walsh MC, Goldberg RN, Das A, and Follow-up Investigators for the NICHD Neonatal Research Network. Predicting outcome of neonates diagnosed with hypoxemic-ischemic encephalopathy. *Pediatrics* 118:2084-93, 2006.
100. Fanaroff AA, Stoll BJ, Wright LL, Waldemar CA, Ehrenkranz RA, Stark AR, Bauer CR, Donovan EF, Korones SB, Laptook AR, Lemons JA, Oh W, Papile L, Shankaran S, Stevenson DK, Tyson JE, Poole WK for the NICHD Neonatal Research Network. Trends in neonatal morbidity and mortality for very low-birth-weight infants: From the NICHD neonatal research network. *Am J Obstet Gynecol* 196:147 e1-8, 2007.
101. Laptook AR, Salhab W, Bhaskar B and the NICHD Neonatal Research Network. Admission temperature of low birth weight infants: Predictors and associated morbidities. *Pediatrics* 119:e643-9, 2007.
102. Walsh M, Laptook A, Kazzi SN, Engle WA, Yao Q, Rasmussen M, Buchter S, Heldt G, Rhine W, Higgins R for the NICHD Neonatal Research Network. A cluster randomized trial of a benchmarking intervention to improve survival free of bronchopulmonary dysplasia in preterm infants. *Pediatrics* 119:876-90, 2007.
103. Wyckoff MH, Garcia D, Margraf L, Perlman JM, Laptook AR. Randomized trial of volume infusion during resuscitation of asphyxiated neonatal piglets. *Pediatric Research* 61:415-20, 2007.
104. Wadhawan R, Oh W, Perritt R, Laptook AR, Poole K, Wright LL, Fanaroff AA, Duara S, Stoll BJ, Goldberg R and the NICHD Neonatal Research Network. Association between early postnatal weight loss and death or BPD in small and appropriate for gestational age extremely low-birth-weight infants. *J Perinatol* 27:359-364, 2007.
105. Chalak LF, Laptook AR, Perlman JM, Garcia D, Ramilo O, Wyckoff MH. Immediate pro-inflammatory cytokine response associated with asphyxia and volume infusions in a neonatal piglet model. *Journal of Neonatal Perinatal Medicine* 2(1):69-75, 2008.
106. Oh W, Perritt R, Shankaran S, Merritts M, Donovan EF, Ehrenkranz RA, O'Shea TM, Tyson JE, Laptook AR, Das A, Higgins RD. Association between urinary lactate to creatinine ratio and neurodevelopmental outcome in term infants with hypoxic-ischemic encephalopathy. *Journal of Pediatrics* 153(3):375-78, 2008

107. Morris BH, Oh W, Tyson JE, Stevenson DK, Phelps DL, O'Shea TM, McDavid GE, Perritt RL, Van Meurs KP, Vohr BR, Grisby C, Yao !, Pedroza C, Das A, Poole WK, Carlo WA, Duara S, Laptook AR, Salhab WA, Shankaran S, Poindexter BB, Fanaroff AA, Walsh MC, Rasmussen MR, Stoll BJ, Cotton CM, Donovan EF, Ehrenkranz RA, Guillet R, Higgins RD and the NICHD Neonatal Research Network. Aggressive vs. conservative phototherapy for infants with extremely low birth weight. *New England Journal Medicine* 359(18):1885-96, 2008. PMC2821221
108. Laptook A, Tyson J, Shankaran S, McDonald S, Ehrenkranz R, Fanaroff A, Donovan E, Goldberg R, O'Shea TM, Higgins RD, Poole WK for the NICHD Neonatal Research Network. Elevated temperature after hypoxic-ischemic encephalopathy: A risk factor for adverse outcome. *Pediatrics* 122(3):491-9, 2008. PMC2782681
109. Shankaran S, Pappas A, Laptook AR, McDonald SA, Ehrenkranz RA, Tyson JE, Walsh M, Goldberg R, Higgins R, Das A for the NICHD Neonatal Research Network. Outcomes of safety and effectiveness in a multicenter randomized controlled trial of whole body hypothermia for neonatal hypoxic-ischemic encephalopathy. *Pediatrics* 122(4):e791-8, 2008. PMC2819143
110. Wilson-Costello D, Walsh MC, Langer JC, Guillet R, Laptook AR, Stoll BJ, Shankaran S, Finer NN, Van Meurs KP, Engle WA, Das A. Impact of postnatal corticosteroid use on neuro-development at 18 to 22 months' adjusted age: effects of dose, timing, and risk of bronchopulmonary dysplasia in extremely low birth weight infants. *Pediatrics* 123(3):e430-7, 2009.
111. 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* 66(4): 455-60, 2009.
112. Laptook A, Shankaran S, Namasivayam A, Waldemar C, McDonald S, Higgins R, Abhik D for the NICHD Neonatal Research Network, Hypothermia Subcommittee. Outcome of term infants using Apgar scores at 10 minutes following Hypoxic-Ischemic Encephalopathy. *Pediatrics*, 124:1619-1626, 2009. PMC2821195
113. Woo HC, Phornphutkul C., and Laptook AR. Early and severe indirect hyperbilirubinemia as a manifestation of galactosemia. *Journal of Perinatology*, 30:295-297, 2010.
114. Carlo WA, Finer NN, Walsh MC, Rich W, Gantz MG, Laptook AR, Bradley AY, Roger GF, Das A, Poole WK, Schibler K, Newman NS, Ambalavanan N, Frantz I, Sanchez PJ, Piazza AJ, Morris BH, Laroia N, Phelps DL, Poindexter BB, Cotton CM, Van Meurs KP, Duara S, Narendran V, Sood BG, O'Shea TM, Bell EF, Ehrenkranz RA, Watterberg KL, and Higgins R for the NICHD Neonatal Research Network and the Surfactant, Positive Pressure, and Oxygenation Randomized Trial (SUPPORT) Study Group of the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Target ranges of oxygen saturation in extremely preterm infants. *New England Journal of Medicine*, 362: 1959-1969, 2010.

115. Finer NN, Carlo WA, Walsh MC, Rich W, Gantz MG, Laptook AR, Yoder BA, Faix RG, Das A, Poole WK, Ambalavanan N, Donovan E, Narendran V, Newman N, Frantz ID, Sanchez PJ, Buchter S, Morris BH, Laroia N, Poindexter BB, Cotton CM, Van Meurs KP, Sood B, Duara S, O'Shea TM, Bell EF, Bhandari V, Watterberg KL, Higgins RD, for the NICHD Neonatal Research Network and the Surfactant, Positive Pressure, and Oxygenation Randomized Trial (SUPPORT) Study Group of the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Early CPAP versus surfactant in extremely preterm infants. *New England Journal of Medicine*, 362:1970-1979, 2010.
116. Bell EF, Hansen NI, Morriss FH, Jr, Stoll BJ, Ambalavanan N, Gould JB, Laptook AR, Walsh MC, Carlo WA, Shankaran S, Das A, Higgins RD. Impact of timing of birth and resident duty-hour restrictions on outcomes for small preterm infants. *Pediatrics*, 126:222-231, 2010.
117. Benjamin, Jr DK, Stoll BJ, Gantz MG, Walsh MC, Sanchez PJ, Das A, Shankaran S, Higgins RD, Auten KJ, Miller NA, Walsh TJ, Laptook AR, Carol WA, Kennedy KA, Finer NN, Duara S, Schibler K, Chapman RL, Van Meurs KP, Frantz, III ID, Phelps DL, Poindexter BB, Bell EF, O'Shea TM, Watterberg KL, Goldberg RN for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Neonatal candidiasis: Epidemiology, risk factors, and clinical judgment. *Pediatrics*, 126:e865-73, 2010.
118. Stoll B, Hansen N, Bell E, Shankaran S, Laptook A, Walsh M, Hale E, Newman N, Schibler K, Carlo W, Kennedy K, Poindexter BB, Finer N, Ehrenkranz R, Duara S, Sanchez PJ, O'Shea T, Goldberg R, VanMeurs K, Faix R, Phelps D, Franz III I, Watterberg K, Saha S, Das A, Higgins R. Neonatal outcomes of extremely preterm infants from the NICHD Neonatal Research Network. *Pediatrics*, 126:443-456, 2010.
119. Davis AS, Hintz SR, Van Meurs KP, Li L, Das A, Stoll BJ, Walsh MC, Pappas A, Bell EF, Laptook AR, Higgins RD. Seizures in extremely low birth weight infants are associated with adverse outcome. *Journal of Pediatrics*, 157(5):720-725, 2010.
120. Boghossian N, Hansen N, Bell E, Stoll B, Murray J, Laptook A, Shankaran S, Walsh M, Das A, Higgins R. Survival and morbidity outcomes of very low birth weight infants with Down Syndrome. *Pediatrics*, 126(6):1132-1140, 2010.
121. Wadhawan R, Oh W, Vohr, BR, Wrang L, Das A, Bell E, Laptook A, Shankaran S, Stoll B, Walsh M, Higgins R for the NICHD Neonatal Research Network. Neurodevelopmental outcomes of triplets or higher-order extremely low birth weight infants. *Pediatrics*, 127(3):e654-e660, 2011.
122. Kwon JM, Guillet R, Shankaran S, Laptook AR, McDonald SA, Ehrenkranz RA, Tyson JE, O'Shea TM, Goldberg RN, Donovan EF, Fanaroff AA, Poole WK, Higgins RD, Walsh MC. Clinical seizures in neonatal hypoxic-ischemic encephalopathy have no independent impact on neurodevelopmental outcome: Secondary analyses of data from the Neonatal Research Network Hypothermia Trial. *Journal of Child Neurology*, 26(3):322-328, 2011.
123. Pappas A, Shankaran S, Laptook AR, Langer JC, Bara R, Ehrenkranz RA, Goldberg RN, Das A, Higgins RD, Tyson JE, Walsh MC for the NICHD Neonatal Research Network. Hypocardia and adverse outcome in neonatal hypoxic-ischemic encephalopathy. *J Pediatrics*, 158(5):752-758e1, 2011.



124. Stoll BJ, Hansen NI, Sanchez PJ, Faix RG, Poindexter BB, Van Meurs KP, Bizzarro MJ, Goldberg RN, Frantz ID, 3rd, Hale EC, Shankaran S, Kennedy K, Carlo WA, Watterberg KL, Bell EF, Walsh MC, Schibler K, Laptook AR, Shane AL, Schrag SJ, Das A, Higgins RD. Early Onset Neonatal Sepsis: The Burden of Group B Streptococcal and E. coli Disease Continues. *Pediatrics* 127(5):817-826, 2011.
125. Shankaran S, Pappas A, McDonald SA, Laptook AR, Bara R, Ehrenkranz RA, Tyson JE, Goldberg R, Donovan EF, Fanaroff AA, Das A, Poole WK, Walsh M, Higgins RD, Welsh C, Salhab W, Carlo WA, Poindexter B, Stoll BJ, Guillet R, Finer NN, Stevenson DK, Bauer CR for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. (2011) Predictive value of an early amplitude integrated EEG and neurological examination. *Pediatrics* 128(1): e112-e120.
126. Laughon MM, Langer JC, Bose C L, Smith PB, Ambalavanan N, Kennedy KA, Stoll BJ, Buchter S, Laptook AR, Ehrenkranz RA, Cotten CM, Wilson-Costello DE, Shankaran SA, Van Meurs KP, Davis A, Gantz MG, Finer NN, Yoder BA, Faix RG, Carlo WA, Schibler KR, Newman NS, Rich W, Das A, Higgins RD, Walsh MC. (2011) Prediction of Bronchopulmonary Dysplasia by Postnatal Age in Extremely Premature Infants. *Am J Respir Crit Care Med* 183(12): 1715-1722.
127. Higgins RD, Raju T, Edwards AD, Azzopardi DV, Bose CL, Clark RH, Ferriero DM, Guillet R, Gunn AJ, Hagberg H, Hirtz D, Inder TE, Jacobs SE, Jenkins D, Juul S, Laptook AR, Lucey JF, Maze M, Palmer C, Papile L, Pfister RH, Robertson NJ, Rutherford M, Shankaran S, Silverstein FS, Soll RF, Thoresen M, Walsh WF and Eunice Kennedy Shriver National Institute of Child Health and Human Development Hypothermia Workshop Speakers and Moderators. (2011) Hypothermia and Other Treatment Options for Neonatal Encephalopathy: An Executive Summary of the Eunice Kennedy Shriver NICHD Workshop. *J Pediatr* 159(5):851-858 e851.
128. Sommers R, Tucker R, Laptook A. Amplitude-integrated EEG differences in premature infants with and without bronchopulmonary dysplasia: A cross-sectional study. (2011) *Acta Paediatr*, 100(11):1437-1441.
129. Carlo WA, McDonald SA, Tyson JE, Stoll BJ, Ehrenkranz RA, Shankaran S, Goldberg RN, Das A, Schendel D, Thorsen P, Skogstrand K, Hougaard DM, Oh W, Laptook AR, Duara S, Fanaroff AA, Donovan EF, Korones SB, Stevenson DK, Papile LA, Finer NN, O'Shea TM, Poindexter BB, Wright LL, Ambalavanan N, Higgins RD. (2011) Cytokines and Neurodevelopmental Outcomes in Extremely Low Birth Weight Infants. *J Pediatr*. 159(6):919-925.
130. Cole CR, Hansen NI, Higgins RD, Bell EF, Shankaran S, Laptook AR, Walsh MC, Hale EC, Newman NS, Das A, Stoll BJ.. (2012) Bloodstream infections in very low birth weight infants with intestinal failure. *J Pediatrics*, 160: 54-59. PMC3419271
131. Wyckoff MH, Salhab WA, Heyne RJ, Kendrick DE, Stoll BJ, Laptook AR for the NICHD Neonatal Research Network. (2012) Outcome of Extremely Low Birth Weight Infants Who Received Delivery Room Cardiopulmonary Resuscitation. *J Pediatr.*, 160: 239-244 e2. PMC3258355

132. Sommers R, Stonestreet B, Oh W, Laptook A, Yanowitz T, Raker C, Mercer M. (2012) Hemodynamic Effects of Delayed Cord Clamping in Premature Infants. *Pediatrics*, 129:e667-72.
133. Shankaran S, Laptook AR, McDonald SA, Higgins RD, Tyson JE, Ehrenkranz RA, Das A, Sant'Anna G, Goldberg RN, Bara R, Walsh M for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. (2012) Temperature Profile and Outcomes of Neonates Undergoing Whole Body Hypothermia for Neonatal Hypoxic-Ischemic Encephalopathy. *Pediatric Critical Care Medicine*, 13:53-9. PMC3161166
134. Sant'anna G, Laptook AR, Shankaran S, Bara R, McDonald SA, Higgins RD, Tyson JE, Ehrenkranz RA, Das A, Goldberg RN, Walsh MC. (2012) Phenobarbital and Temperature Profile During Hypothermia for Hypoxic-Ischemic Encephalopathy. *J Child Neurol.*, 27:451-7. PMC3530920
135. Shankaran S, Laptook AR, Tyson JE, Ehrenkranz RA, Bann CM, Das A, Higgins RD, Bara R, Pappas A, McDonald SA, Goldberg RN, Walsh MC. (2012) Evolution of Encephalopathy during Whole Body Hypothermia for Neonatal Hypoxic-Ischemic Encephalopathy. *J Pediatr.*, 160:567-72 e3. PMC3299861
136. Shane AL, Hansen NI, Stoll BJ, Bell EF, Sanchez PJ, Shankaran S, Laptook AR, Das A, Walsh MC, Hale EC, Newman NS, Schrag SJ, Higgins RD for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. (2012) Methicillin Resistant and Susceptible *Staphylococcus aureus* Bacteremia and Meningitis in Preterm Infants. *Pediatrics*, 129, e914-22. PMC3313632
137. Rich W, Finer NN, Gantz MG, Newman NS, Hensman AM, Hale EC, Auten KJ, Schibler K, Faix RG, Laptook AR, Yoder BA, Das A, Shankaran S. (2012) Enrollment of extremely low birth weight infants in a clinical research study may not be representative. *Pediatrics*. 129(3):480-484. PMC3289530
138. Natarajan G, Pappas A, Shankaran S, Kendrick DE, Das A, Higgins RD, Laptook AR, Bell EF, Stoll BJ, Newman N, Hale EC, Bara R, Walsh MC. (2012) Outcomes of extremely low birth weight infants with bronchopulmonary dysplasia: Impact of the physiologic definition. *Early Hum Dev.* 88(7):509-15. PMC 22236557
139. Smith PB, Ambalavanan N, Li L, Cotten CM, Laughon M, Walsh MC, Das A, Bell EF, Carol WA, Stoll BJ, Shankaran S, Laptook AR, Higgins RD. (2012) Approach to Infants Born at 22 to 24 Weeks' Gestation: Relationship to Outcomes of More-Mature Infants. *Pediatrics*. Jun;129(6):e1508-e16. PMC3362905
140. Greenberg RG, Benjamin DK, Jr, Gantz MG, Cotten CM, Stoll BJ, Walsh M, Sanchez 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, 3<sup>rd</sup>, Phelps DL, Poindexter BB, Bell EF, O'Shea TM, Watterberg KL, Goldberg RN, Smith PB. (2012) Empiric Antifungal Therapy and Outcomes in Extremely Low Birth Weight Infants with Invasive Candidiasis. *J Pediatr* 161:264-269 e262. PMC3380169

141. De Jesus LC, Pappas A, Shankaran S, Kendrick D, Das A, Higgins RD, Bell EF, Stoll BJ, Laptook AR, Walsh MC. (2012) Risk Factors for Post-Neonatal Intensive Care Unit Discharge Mortality Among Extremely Low Birth Weight Infants. *J Pediatr*. 161(1):70-4 e2. PMC3366175
142. Pappas A, Shankaran S, Hansen NI, Bell EF, Stoll BJ, Laptook AR, Walsh MC, Das A, Bara R, Hale EC, Newman NS, Boghossian NS, Murray JC, Cotten CM, Adams-Chapman I, Hamrick S, Higgins RD. (2012) Outcome of Extremely Preterm Infants (<1,000 g) With Congenital Heart Defects From the National Institute of Child Health and Human Development Neonatal Research Network. *Pediatr Cardiol* 33:1415-1426. PMC22644414
143. Wadhawan R, Oh W, Vohr BR, Saha S, Das A, Bell EF, Laptook A, Shankaran S, Stoll BJ, Walsh MC, Higgins R. (2012) Spontaneous intestinal perforation in extremely low birth weight infants: association with indometacin therapy and effects on neurodevelopmental outcomes at 18-22 months corrected age. *Arch Dis Child Fetal Neonatal Ed.*, Jun 9. PMC22684157
144. Natarajan G, Pappas A, Shankaran S, Laptook A, Walsh M, McDonald S, Ehrenkranz R, Tyson J, Goldberg R, Bara R, Higgins R, Das A, Munoz B. (2012) Effect of Inborn Vs Outborn Delivery on Neurodevelopmental Outcomes in Infants with Hypoxic-Ischemic Encephalopathy: Secondary Analyses of the NICHD Whole Body Cooling Trial. *Pediatric Research*, 72(4) 414-9. PMC22914450
145. Vaucher YE, Peralta-Carcelen M, Finer N, Carlo WA, Walsh MC, Gantz MG; 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 for the SUPPORT Study Group of the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development Neonatal Research Network. (2012) Neurodevelopmental Outcome of the Early CPAP and Pulse Oximetry Trial. *New England Journal of Medicine*. 367(26):2495-2504. PMC23268664
146. Shankaran S, Barnes PD, Hintz SR, Laptook AR, Zaterka-Baxter KM, McDonald SA, Ehrenkranz RA, Walsh MC, Tyson JE, Donovan EF, Goldberg RN, Bara R, Das A, Finer NN, Sanchez PJ, Poindexter BB, Van Meurs KP, Carlo WA, Stoll BJ, Duara S, Guillet R, Higgins RD. (2012) Brain injury following trial of hypothermia for neonatal hypoxic-ischaemic encephalopathy. *Archives of Disease in Children, Fetal Neonatal Ed* 97:F398-404. PMC23080477
147. Wadhawan R, Oh W, Vohr BR, Saha S, Das A, Bell EF, Laptook A, Shankaran S, Stoll BJ, Walsh MC, Higgins R. (2013). Spontaneous intestinal perforation in extremely low birth weight infants: association with indometacin therapy and effects on neurodevelopmental outcomes at 18-22 months corrected age. *Archives of Disease in Children, Fetal Neonatal Ed* 98:F127-132. PMID3753803
148. Wynn JL, Hansen NI, Das A, Cotten CM, Goldberg RN, Sanchez PJ, Bell EF, Van Meurs KP, Carlo WA, Laptook AR, Higgins RD, Benjamin DK, Jr., Stoll BJ. (2013) Early Sepsis Does Not Increase the Risk of Late Sepsis in Very Low Birth Weight Neonates. *Journal of Pediatrics*. In press. 162:942-948. PMC3622770

149. Boghossian NS, Page GP, Bell EF, Stoll BJ, Murray JC, Cotten CM, Shankaran S, Walsh MC, Laptook AR, Newman NS, Hale EC, McDonald SA, Das A, Higgins RD. (2013) Late-Onset Sepsis in Very Low Birth Weight Infants from Singleton and Multiple-Gestation Births. *Journal of Pediatrics*, 162:1120-1124. PMC3633723
150. 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 for the *Eunice Kennedy Shriver* National Institute of Health and Human Development Neonatal Research Network. (2013). Outcomes of small for gestational age infants <27 weeks' gestation. *The Journal of Pediatrics*. Epub: 2013/02/19.
151. Mirza H, Oh W, Laptook A, Vohr B, Tucker R, and Stonestreet BS (2013). Indomethacin prophylaxis to prevent intraventricular hemorrhage: Association between incidence and timing of drug administration. *Journal of Pediatrics*, 163(3): 706-710 Epub: 2013/03/26. PMC3939677
152. Laptook AR, McDonald SA, Shankaran S, Stephens BE, Vohr BR, Guillet R, Higgins RD, Das A, and the Extended Hypothermia Follow-up Subcommittee of the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development Neonatal Research Network. Elevated Temperature and 6-7 Year Outcome of Neonatal Encephalopathy. *Annals of Neurology*, 73(4): 520-528 Epub: 2013/04/19. PMC3720800
153. Batton B, Li L, Newman N, Das A, Watterberg K, Yoder B, Faix R, Laughon M, Stoll BJ, Van Meurs K, Carlo W, Poindexter BB, Bell E, Sánchez PJ, Ehrenkranz R, Goldberg R, Laptook A, Kennedy K, Frantz I, Shankaran S, Schibler K, Higgins R, Walsh M. (2013). Use of Antihypotensive Therapies in Extremely Preterm Infants. *Pediatrics*, 131:e1865-1873. PMC3666108
154. Adams-Chapman I, Hansen NI, Shankaran S, Bell EF, Boghossian NS, Murray JC, Laptook AR, Walsh MC, Carlo WA, Sanchez PJ, Van Meurs KP, Das A, Hale EC, Newman NS, Ball MB, Higgins RD, Stoll BJ (2013). Ten-Year Review of Major Birth Defects in VLBW Infants. *Pediatrics* 132:49-61. PMID 3691532
155. Alleman BW, Bell EF, Li L, Dagle JM, Smith PB, Ambalavanan N, Laughon MM, Stoll BJ, Goldberg RN, Carlo WA, Murray JC, Cotton eM, Shankaran S, Walsh MC, Laptook AR, Ellsbury DL, Hale EC, Newman NS, Wallace DD, Das A, Higgins RD for the Eunice Kennedy Shriver NICHD Neonatal Research Network. Individual and Center-level Factors Affecting Mortality Among Extremely Low Birth Weight Infants. *Pediatrics* 132:e175-184 PMID 3691533
156. Vohr BR, Stephens BE, McDonald SA, Ehrenkranz RA, Laptook AL, Pappas A, Hintz SR, Shankaran S, Higgins RD and Das A on behalf of the Extended Hypothermia Follow-up Subcommittee of the NICHD Neonatal Research Network (2013). Cerebral Palsy and Growth Failure at 6 to 7 Years. *Pediatrics* 132 (4):e905-914 PMID 3784290.
157. Natarajan G, Shankaran S, Laptook AR, Pappas A, Bann CM, McDonald SA, Das A, Higgins RD, Hintz SR, Vohr BR for the Extended Hypothermia Subcommittee of the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network (2013). Apgar scores at 10 minutes and outcomes at 6 to 7 years following Hypoxic Ischemic Encephalopathy. *Archives of Disease in Childhood Fetal and Neonatal* 98(6):F473-479. PMID: 23896791.

158. Bell EF, Hansen NI, Brion LP, Ehrenkranz RA, Kennedy KA, Walsh MC, Shankaran S, Acarregui MJ, Johnson KJ, Hale EC, Messina LA, Crawford MM, Laptook AR, Goldberg RN, Van Meurs KP, Carlo WA, Poindexter BB, Faix RG, Carlton DP, Watterberg KL, Ellsbury DL, Das A, Higgins RD, for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network (2013). Serum Tocopherol Levels in Very Preterm Infants after a Single Dose of Vitamin E at Birth. *Pediatrics* 132(6): e1626-33. PMID: PMC3838534.
159. Sommers R, Tucker R, Harini C, and Laptook AR (2013). Neurological maturation of late preterm infants at 34 weeks assessed by amplitude integrated electroencephalogram. *Pediatric Research* 74(6): 705-11. PMID: 24002334.
160. Phelps D, Ward R, Williams R, Watterberg K, Laptook A, Wraga L, Nolen T, Fennell T, Ehrenkranz R, Poindexter B, Cotton C, Hallman M, Frantz I, III, Faix RG, Zaterka-Baxter K, Das A, Ball B, O'Shea T, Backstrom Lacy C, Walsh M, Shankaran S, Sanchez P, Bell E, and Higgins R (2013). Pharmacokinetics and Safety of a Single Intravenous Dose of myo-Inositol in Preterm Infants of 23 to 29 weeks. *Pediatric Research* 74(6):721-9. PMID: 24067395.
161. Davis AS, Hintz SR, Goldstein RF, Ambalavanan N, Bann CM, Stoll BJ, Bell EF, Shankaran S, Laptook AR, Walsh MC, Hale EC, Newman NS, Das A, Higgins RD. (2014). Outcomes of extremely preterm infants following severe intracranial hemorrhage. *Journal of Perinatology* 34(3):203-208. PMID: PMC4143234.
162. Wadhawan R, Oh W, Hintz SR, Blakely ML, Das A, Bell EF, Saha S, Laptook AR, Shankaran S, Stoll BJ, Walsh MC, Higgins RD, for the Neonatal Research Network (2014). Neurodevelopmental outcomes of extremely low birth weight infants with spontaneous intestinal perforation or surgical necrotizing enterocolitis. *Journal of Perinatology* 34(1):64-70. PMID: 3877158.
163. Boghossian N, Hansen N, Bell E, Stoll BJ, Murray J, Carey J, Adams-Chapman I, Shankaran S, Walsh M, Laptook A, Faix R, Newman N, Hale E, Das A, Wilson L, Hensman A, Grisby C, Collins M, Vasil D, Finkle J, Maffett D, Ball M, Backstrom C, Bara R, Higgins R., Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network (2014). Mortality and morbidity of VLBW infants with Trisomy 13 or Trisomy 18. *Pediatrics*, 133(2):226-235. PMID 3904274
164. Pappas A, Kendrick DE, Shankaran S, Stoll BJ, Bell EF, Laptook AR, Walsh MC, Das A, Hale EC, Newman NS, Higgins RD, Eunice Kennedy Shriver National Institute of Child Human Development Neonatal Research Network. (2014). Chorioamnionitis and early childhood outcomes among extremely low-gestational-age neonates. *JAMA Pediatrics*, 168(2):137-147. PMID 24378638
165. DeMauro SB, D'Agostino JA, Bann C, Bernbaum J, Gerdes M, Bell EF, Carlo WA, D'Angio CT, Das A, Higgins R, Hintz SR, Laptook AR, Natarajan G, Nelin L, Poindexter BB, Sanchez PJ, Shankaran S, Stoll BJ, Truog W, Van Meurs KP, Vohr B, Walsh MC, Kirpalani H, Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network. (2014). Developmental outcomes of very preterm infants with tracheostomies. *Journal of Pediatrics* 164(6): 1303-1310 PMID: PMC4035374.

166. Cotton CM, Goldstein RF, McDonald SA, Goldberg RN, Salhab WA, Carlo WA, Tyson JE, Finer NN, Walsh MC, Ehrenkranz RA, Laptook AR, Guillet R, Schibler K, Van Meurs KP, Poindexter BB, Stoll BJ, O'Shea TM, Duara S, Das A, Higgins RD, Shankaran S for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network (2014). Apolipoprotein E genotype and outcome in infants with hypoxic ischemic encephalopathy. *Pediatric Research* 75(3): 424-430 PMC4095992.
167. Chalak LF, Sanchez PJ, Adams-Huet B, Laptook AR, Heyne RJ, Rosenfeld CR. (2014). Biomarkers for severity of neonatal hypoxic-ischemic encephalopathy and outcomes in newborns receiving hypothermia therapy. *Journal of Pediatrics*. 164(3):468-74 PMID: 24332821.
168. Kennedy K, Wrage L, Higgins R, Finer N, Carlo W, Walsh M, Laptook A, Faix R, Yoder B, Schibler K, Gantz M, Das A, Newman N, Phelps D. (2014) Evaluating retinopathy of prematurity screening guidelines for 24-27 week gestational age infants. *Journal of Perinatology* 34(4): 311-318 PMC3969774.
169. Fernandez E, Watterberg KL, Faix RG, Yoder BA, Walsh MC, Lacy CB, Osborne KA, Das A, Kendrick DE, Stoll BJ, Poindexter BB, Laptook AR, Kennedy KA, Schibler K, Bell EF, Van Meurs KP, Frantz ID, 3rd, Goldberg RN, Shankaran S, Carlo WA, Ehrenkranz RA, Sanchez PJ, Higgins RD. (2014). Incidence, management, and outcomes of cardiovascular insufficiency in critically ill term and late preterm newborn infants. *American Journal of Perinatology*. 31(11): 947-956. PMID: 24515617.
170. Randolph DA, Nolen TL, Ambalavanan N, Carlo WA, Peralta-Carcelen M, Das A, Bell EF, Davis AS, Laptook AR, Stoll BJ, Shankaran S, Higgins RD on behalf of the Generic D, Follow-Up Subcommittees for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. (2014). Outcomes of extremely low birthweight infants with acidosis at birth. *Archives of Disease in Childhood Fetal and Neonatal Edition*. 99(4): F263-F268 PMID: 24554564
171. 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 and the Support Study Group of the Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network (2014). Respiratory outcomes of the surfactant positive pressure and oximetry randomized trial (SUPPORT) *Journal of Pediatrics* 165(2):240-249. PMC4111960.
172. Natarajan G, Shankaran S, Pappas A, Bann C, Tyson JE, McDonald S, Das A, Hintz S, Vohr B, Higgins R for the Extended Hypothermia Subcommittee of the Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network. (2014) Functional status at 18 months of age as a predictor of childhood disability after neonatal hypoxic-ischemic encephalopathy. *Developmental Medicine and Child Neurology* 56: 1052-1058. PMID: 24957482.

173. Morriss F, Saha S, Bell E, Colaizy T, Stoll B, Hintz S, Shankaran S, Vohr B, Hamrick S, Pappas A, Jones P, Carlo W, Laptook A, Van Meurs K, Sanchez P, Hale E, Newman N, Das A, Higgins R. (2014). Surgery and neurodevelopmental outcome of very low birth weight infants. *JAMA* 168(8):746-54 PMID: 24934607.
174. Lester B, Hawes K, Abar B, Sullivan M, Miller R, Bigsby R, Laptook A, Salisbury A, Taub M, LaGasse L, Padbury J. (2014). Single family room care and neurobehavioral and medical outcomes in preterm infants. *Pediatrics* 134(4):754-760.
175. Truog W, Nelin L, Das A, Kendrick D, Bell E, Carlo W, Higgins R, Laptook A, Sanchez P, Shankaran S, Stoll B, Van Meurs K, Walsh M. (2014). Inhaled nitric oxide usage in preterm infants in the NICHD Neonatal Research Network: Inter-site variation and propensity evaluation. *Journal of Perinatology*, 34(11): 842-846. PMID:24901452.
176. Mirza H, Ziegler J, Ford S, Padbury J, Tucker R, Laptook A. (2014). Pulmonary hypertension in preterm infants: Prevalence and association with BPD. *Journal of Pediatrics*. 165(5), 909-914. PMID: 25189821.
177. Laptook A, Kilbride H, Shepherd E, McDonald S, Shankaran S, Truog W, Das A, Higgins R and the Optimizing Cooling Sub-Committee. (2014). Temperature control during therapeutic hypothermia for newborn encephalopathy using different blanketrol devices. *Therapeutic Hypothermia and Temperature Management*. 4(4), 193-200. PMID: 25285767.
178. Kelleher J, Salas AA, Bhat R, Ambalavanan N, Saha S, Stoll BJ, Bell EF, Walsh MC, Laptook AR, Sanchez 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 Human Development Neonatal Research. (2014). Prophylactic indomethacin and intestinal perforation in extremely low birth weight infants. *Pediatrics*, 134(5), e1369-77.
179. Shankaran S, Laptook AR, Pappas A, McDonald SA, Das A, Tyson JE, Poindexter BB, Schibler K, Bell EF, Heyne RJ, Pedroza C, Bara R, Van Meurs KP, Grisby C, Petrie Huitema CM, Garg M, Ehrenkranz RA, Shepherd EG, Chalak LF, Hamrick SEG, Khan AM, Reynolds AM, Laughon MM, Truog WE, Dysart KC, Carlo WA, Walsh MC, Watterberg KL, Higgins RD, for the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development Neonatal Research Network (2014). Effect of Depth and Duration of Cooling on Deaths in the NICU among Neonates with Hypoxic-Ischemic Encephalopathy: A Randomized Clinical Trial. *JAMA*, 312(24):2629-2639.
180. De Jesus LC, Sood BG, Shankaran S, Kendrick D, Das A, Bell EF, Stoll BJ, Laptook AR, Walsh MC, Carlo WA, Sanchez PJ, Van Meurs KP, Bara R, Hale EC, Newman NC, Ball MB, Higgins RD for the *Eunice Kennedy Shriver* National Institute of Health and Human Development Neonatal Research Network. (2015). Antenatal magnesium sulfate exposure and acute cardiorespiratory events in preterm infants. *American Journal of Obstetrics & Gynecology*, 212(1), 94 e1-e7. PMID: 4275326.
181. Kasdorf E, Laptook A, Azzopardi D, Jacobs S, Perlman JM. (2015) Improving infant outcome with a 10 minutes Apgar of 0. *R. Archives of disease in childhood Fetal and neonatal edition*. 100(2):F102-105.

182. Davis A, Gantz M, Do B, Shankaran S, Hamrick S, Kennedy K, Tyson J, Chalak L, Laptook A, Goldstein R, Hintz S, Das A, Higgins R, Ball M, Hale E, and Van Meurs K. (2015) Serial aEEG recordings in a cohort of extremely preterm infants: feasibility and safety. *Journal of Perinatology*. 35(5), 373-378. PMID: 4414657
183. Akula VP, Joe P, Thusu K, Davis AS, Tamareisis JS, Kim S, Shimotake TK, Butler S, Honold J, Kuzniewicz M, DeSandre G, Bennett M, Gould J, Wallenstein MB, Van Meurs K. (2015). A randomized clinical trial of therapeutic hypothermia during transport for neonatal encephalopathy (HIE) California Transport Cooling Trial (CTCT). *Journal of Pediatrics*, 166(4):856-861.
184. Ambalavanan N, Carlo WA, Wrage LA, Das A, Laughon M, Cotten CM, Kennedy KA, Laptook AR, Shankaran S, Walsh MC, Higgins RD for the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development Neonatal Research Network, Support Study Group (2015). PaCO<sub>2</sub> in surfactant, positive pressure, and oxygenation randomized trial (SUPPORT). *Arch Dis Child Fetal Neonatal Ed*, 100(2), F145-9. PMID: 4336211
185. Hintz S, Barnes P, Bulas D, Slovis T, Finer N, Wrage L, Das A, Tyson J, Stevenson DK, Carlo Sr W, Walsh M, Laptook A, Yoder B, Van Meurs K, Faix R, Rich W, Newman N, Cheng H, Heyne R, Vohr B, Acarregui M, Vaucher Y, Pappas A, Peralta-Carcelen M, Evans P, Goldstein R, Myers G, Poindexter BB, McGowan E, Adams-Chapman I, Fuller J, Higgins R (2015). Neuroimaging and neurodevelopmental outcome in extremely preterm infants. *Pediatrics*, 135(1):e32-43. PMID: 4279063
186. Sarkar S, Shankaran S, Laptook AR, Sood BG, Do B, Stoll BJ, Van Meurs KP, Bell EF, Das A, Barks J, Generic Database Subcommittee of the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network (2015). Screening Cranial Imaging at Multiple Time Points Improves Cystic Periventricular Leukomalacia Detection. *American Journal of Perinatology*, 32(10):973-979. PMID: 4697863
187. Patel RM, Kandefor S, Walsh MC, Bell EF, Carlo WA, Laptook AR, Sanchez PJ, Shankaran S, Van Meurs KP, Ball MB, Hale EC, Newman NS, Das A, Higgins RD, Stoll BJ, Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network (2015). Causes and timing of death in extremely premature infants from 2000 through 2011. *New England Journal of Medicine*, 372(4):331-340. PMID 4349362
188. Shankaran S, McDonald SA, Laptook AR, Hintz SR, Barnes PD, Das A, Pappas A, Higgins RD, for the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development Neonatal Research Network (2015). Neonatal magnetic resonance imaging pattern of brain injury as a biomarker of childhood outcomes following a trial of hypothermia for neonatal hypoxic-ischemic encephalopathy. *Journal of Pediatrics*, 167:987-993. PMID: 4700815
189. Stoll BJ, Hansen N I, Bell EF, Walsh MC, Carlo WA, Shankaran S, Laptook AR, Sanchez PJ, Van Meurs KP, Wyckoff M, Das A, Hale EC, Ball MB, Newman NS, Schibler K, Poindexter BB, Kennedy KA, Cotten CM, Watterberg KL, D'Angio CT, DeMauro SB, Truog WE, Devaskar U, Higgins RD Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network (2015). Trends in Care Practices, Morbidity and Mortality of Extremely Preterm Neonates, 1993-2012. *JAMA*, 314(10), 1039-1051. PMID: 4787615



190. Fernandez E, Watterberg KL, Faix RG, Yoder BA, Walsh MC, Lacy CB, Osborne KA, Das A, Kendrick DE, Stoll BJ, Poindexter BB, Laptook AR, Kennedy KA, Schibler K, Bell EF, Van Meurs KP, Frantz ID, 3rd, Goldberg RN, Shankaran S, Carlo WA, Ehrenkranz RA, Sanchez PJ, Higgins RD, Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network (2015). Definitions of Cardiovascular Insufficiency and Relation to Outcomes in Critically Ill Newborn Infants. *American Journal of Perinatology*, 32(11), 1024-1030. PMID: 4689139
191. Hoffman L, Santos Mary Ann, Tucker R, Laptook A. (2015) Neonatal esophageal and axilla temperatures in neonatal intensive care unit care. *Acta Paediatrica*, 104(12), e546-51.
192. Boghossian NS, McDonald SA, Bell EF, Carlo WA, Brumbaugh JE, Stoll BJ, Laptook AR, Shankaran S, Walsh MC, Das A, Higgins RD for the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development Neonatal Research Network (2016). Association of Antenatal Corticosteroids with Mortality, Morbidity, and Neurodevelopmental Outcomes in Extremely Preterm Multiple Gestation Infants. *JAMA*, 170(6), 593-601. PMID: 5270648
193. Boghossian N, Hansen N, Bell E, Brumbaugh J, Stoll B, Laptook A, Shankaran S, Wyckoff M, Colaizy T, Das A, Higgins R for the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development Neonatal Research Network (2016). Outcomes of Extremely Preterm Infants Born to Insulin-Dependent Diabetic Mothers. *Pediatrics*, 137(6). PMID: 4894251
194. Mirza H, Ziegler J, Ford S, Padbury J, Tucker R, Laptook A (2016). Temporal profile of early pulmonary hypertension in preterm infants. *American Journal of Perinatology*, 33(9) 903-909.
195. Murphy T, Bender G, Taub M, Tucker R, Laptook A (2016). The neonatal preventable harm index: A high reliability tool. *Journal of Perinatology*, 36(8) 676-680.
196. Shankaran S, Natarajan G, Chalak L, Pappas A, McDonald SA, Laptook AR. (2016). Hypothermia for neonatal hypoxic-ischemic encephalopathy: NICHD Neonatal Research Network contribution to the field. *Seminars in Perinatology*. 40(6), 365-390. PMID 27345952
197. Mirza H, Laptook AR, Oh W, Vohr BR, Stoll BJ, Kandefor S, Stonestreet BS, and Generic Database Subcommittee of the Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network. (2016). Effects of indomethacin prophylaxis timing on IVH and PDA in extremely low birth weight infants. *Archives of Disease in Childhood Fetal Neonatal*, 101(5) F418-F422. PMID: 4935651
198. Lester BM, Salisbury AL, Hawes K, Dansereau LM, Bigsby R, Laptook A, Taub M, LaGasse LL, Vohr BR, Padbury JF. (2016) 18 Month Follow-up of infants cared for in a single family room NICU. *Journal of Pediatrics*, 177 84-9.
199. Pedroza C, Tyson JE, Das A, Laptook A, Bell EF, Shankaran S for the Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network. (2016). Advantages of Bayesian monitoring methods in deciding whether and when to stop a clinical trial: an example of a neonatal cooling trial. *Trails*, 17(1) 335. PMC4957277

200. Chawla S, Natarajan G, Shankaran S, Pappas A, Stoll BJ, Carlo WA, Saha S Das A, Laptook AR, Higgins RD for the Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network. (2016) Association of neurodevelopmental outcomes and neonatal morbidities of extremely premature infants with differential exposure to antenatal steroids. *JAMA Pediatrics*, 170(12) 1164-1172.
201. Gunn AJ, Laptook AR, Robertson NJ, Barks JD, Thoresen M, Wassink G, Bennet L. (2017) Therapeutic hypothermia translates from ancient history in to practice. *Pediatric Research*. 81(1-2) 202-209 PMID 27673420
202. Shankaran S, Laptook AR, McDonald SA, Hintz SR, Barnes PD, Das A, Higgins RD for the Eunice Kennedy Shriver National Institute of Child, Health Human Development Neonatal Research, Network. (2017). Acute Perinatal Sentinel Events, Neonatal Brain Injury Pattern, and Outcome of Infants Undergoing a Trial of Hypothermia for Neonatal Hypoxic-Ischemic Encephalopathy. *Journal of Pediatrics*, 180 275-278. PMC5183477
203. Greenberg RG, Kandefers S, Do BT, Smith PB, Stoll BJ, Bell EF, Carlo WA, Laptook AR, Sanchez PJ, Shankaran S, Van Meurs KP, Ball MB, Hale EC, Newman NS, Das A, Higgins RD, Cotten CM for the Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network. (2017). Late-onset Sepsis in Extremely Premature Infants: 2000-2011. *Pediatr Infect Dis J*. 36(8):774-9. PMID: 28709162.
204. Chalak LF, Tian F, Adams-Huet B, Vasil D, Laptook A, Tarumi T, Zhang R. (2017) Novel wavelet real time analysis of neurovascular coupling in neonatal encephalopathy. *Scientific Reports*. 7:45958. PMID: 28393884.
205. Shankaran S, Laptook AR, Pappas A, McDonald SA, Das A, Tyson JE, Poindexter BB, Schibler K, Bell EF, Heyne RJ, Pedroza C, Bara R, Van Meurs KP, Huitema CMP, Grisby C, Devaskar U, Ehrenkranz RA, Harmon HM, Chalak LF, DeMauro SB, Garg M, Hartley-McAndrew ME, Khan AM, Walsh MC, Ambalavanan N, Brumbaugh JE, Watterberg KL, Shepherd EG, Hamrick SEG, Barks J, Cotten CM, Kilbride HW, Higgins RD for the Eunice Kennedy Shriver National Institute of Child, Health Human Development Neonatal Research, Network. (2017). Effect of Depth and Duration of Cooling on Effect of Depth and Duration of Cooling on Death or Disability at Age 18 Months Among Neonates With Hypoxic-Ischemic Encephalopathy: A Randomized Clinical Trial. *JAMA*, 318 (1) 57-67. PMID: 28672318 205.
206. Walsh MC, Bell EF, Kandefers S, Saha S, Carlo WA, D'Angio C T, Laptook AR, Sanchez PJ, Stoll BJ, Shankaran S, Van Meurs KP, Cook N, Higgins RD, Das A, Newman NS, Schibler K, Schmidt B, Cotten CM, Poindexter BB, Watterberg KL, Truog WE. (2017). Neonatal outcomes of moderate preterm infants compared to extremely preterm infants. *Pediatric Research*. 82(2):297-304. PMC5552426.
207. Pappas A, Adams-Chapman I, Shankaran S, McDonald SA, Stoll BJ, Laptook AR, Carlo WA, Van Meurs KP, Hintz SR, Carlson MD, Brumbaugh JE, Walsh MC, Wyckoff MH, Das A, Higgins RD, Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network. (2017). Neurodevelopmental and Behavioral Outcomes in Extremely Premature Neonates With Ventriculomegaly in the Absence of Periventricular-Intraventricular Hemorrhage. *JAMA Pediatr*. doi: 10.1001/jamapediatrics.2017.3545. PMID: 29181530

208. 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, Hamrick SEG, Sokol GM, Walsh MC, Poindexter BB, Faix RG, Watterberg KL, Frantz III ID, Guillet R, Devaskar U, Truog WE, Chock VY, Wyckoff MH, McGowan EC, Carlton DP, Harmon HM, Brumbaugh JE, Cotton CM, Sánchez PJ, Hibbs AM, and Higgins RD for the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development Neonatal Research Network. (2017) 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*. 318(16): 1550-1560. PMC5783566
209. Khedr S, Piskorski A, Bingham AR, Goldstein J, Laptook AR, De Paepe ME. (2018). Occult Massive Visceral Fat Necrosis Following Therapeutic Hypothermia for Neonatal Encephalopathy. *Pediatr Dev Pathol*. 21(5):502-506. PMID: 29108501
210. Travers CP, Carlo WA, McDonald SA, Das A, Bell EF, Ambalavanan N, Jobe AH, Goldberg RN, D'Angio CT, Stoll BJ, Shankaran S, Laptook AR, Schmidt B, Walsh MC, Sanchez PJ, Ball MB, Hale EC, Newman NS, Higgins RD, Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network. (2018) Mortality and Pulmonary Outcomes of Extremely Preterm Infants Exposed to Antenatal Corticosteroids. *Am J Obstet Gynecol*. 218(1): 130e1-130e13 PMC: 5842434
211. Prempunpong C, Chalak LF, Garfinkle J, Shah B, Kalra V, Rollins N, Boyle R, Nguyen KA, Mir I, Pappas A, Montaldo P, Thayyil S, Sanchez PJ, Shankaran S, Laptook AR, Sant'Anna G. (2018). Prospective research on infants with mild encephalopathy: the PRIME study. *Journal of Perinatology*. 38(1), 80-85 PMID: 29095433
212. Laptook AR, Bell EF, Shankaran S, Boghossian NS, Wyckoff MH, Kandefer S, Walsh W, Saha S, Higgins R and the Generic and Moderate Preterm Subcommittees of the NICHD Neonatal Research Network. (2018). Admission Temperature and Associated Mortality and Morbidity among Moderately and Extremely Preterm Infants. *Journal of Pediatrics*. 192: 53-59 PMC5808888
213. Pappas A, Adams-Chapman I, Shankaran S, McDonald SA, Stoll BJ, Laptook AR, Carlo WA, Van Meurs KP, Hintz SR, Carlson MD, Brumbaugh JE, Walsh MC, Wyckoff MH, Das A, Higgins RD, Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network. (2018). Neurodevelopmental and Behavioral Outcomes in Extremely Premature Neonates With Ventriculomegaly in the Absence of Periventricular-Intraventricular Hemorrhage. *JAMA Pediatrics*. 172(1):32-42. PMC5833521.
214. Sarkar S, Shankaran S, Barks J, Do BT, Laptook AR, Das A, Ambalavanan N, Van Meurs KP, Bell EF, Sanchez PJ, Hintz SR, Wyckoff MH, Stoll BJ, Carlo WA, Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network. (2018). Outcome of Preterm Infants with Transient Cystic Periventricular Leukomalacia on Serial Cranial Imaging Up to Term Equivalent Age. *Journal of Pediatrics*. 195:59-65e3 PMC: 6061924.

215. Lakshminrusimha S, Shankaran S, Laptook A, McDonald S, Keszler M, Van Meurs K, Guillet R, Chawla S, Sood BG, Bonifacio S, Das A, Higgins RD. Pulmonary Hypertension Associated with Hypoxic-Ischemic Encephalopathy-Antecedent Characteristics and Comorbidities. *J Pediatr*. 2018;196:45-51 PMID: PMC6052458.
216. Natarajan G, Shankaran S, Saha S, Laptook A, Das A, Higgins R, Stoll BJ, Bell EF, Carlo WA, D'Angio C, DeMauro SB, Sanchez P, Van Meurs K, Vohr B, Newman N, Hale E, Walsh M, Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network. (2018). Antecedents and Outcomes of Abnormal Cranial Imaging in Moderately Preterm Infants. *Journal of Pediatrics*. 195:66e3-72e3 PMC: 5869095
217. Bajaj M, Natarajan G, Shankaran S, Wyckoff M, Laptook AR, Bell EF, Stoll BJ, Carlo WA, Vohr BR, Saha S, Van Meurs KP, Sanchez PJ, D'Angio CT, Higgins RD, Das A, Newman N, Walsh MC, Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network. (2018). Delivery Room Resuscitation and Short-Term Outcomes in Moderately Preterm Infants. *Journal of Pediatrics*. 195: 33-38e32. PMC: 5869086.
218. Natarajan, G., Shankaran, S., Laptook, A. R., McDonald, S. A., Pappas, A., Hintz, S. R., Das, A. and NICHD Neonatal Research Network Whole Body Hypothermia Subcommittee. (2018). Association between sedation-analgesia and neurodevelopment outcomes in neonatal hypoxic-ischemic encephalopathy. *Journal of Perinatology*. 38:1060-1067. PMC6092226
219. Murphy, T., Laptook, A. and Bender, J. (2018). Sustained Improvement in Neonatal Intensive Care Unit Safety Attitudes After Teamwork Training. *Journal of Patient Safety*, 14(3), 174-180.
220. Chawla S, Natarajan G, Chowdhury D, Das A, Walsh M, Bell EF, Laptook AR, Van Meurs K, D'Angio CT, Stoll BJ, DeMauro SB, Shankaran S. (2018). Neonatal Morbidities among Moderately Preterm Infants with and without Exposure to Antenatal Corticosteroids. *American Journal of Perinatology*: 35(12):1213-1221.
221. 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, Laptook 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 Human Development Neonatal Research Network. (2018) Effects of Myo-inositol on Type 1 Retinopathy of Prematurity Among Preterm Infants <28 Weeks' Gestational Age: A Randomized Clinical Trial. *JAMA*. 320(16):1649-58. PMID: PMC6233812.
222. Chalak LF, Nguyen KA, Prempunpong C, Heyne R, Thayyil S, Shankaran S, Laptook AR, Rollins N, Pappas A, Koclas L, Shah B, Montaldo P, Techasaensiri B, Sanchez PJ and Sant'Anna G. (2018). Prospective research in infants with mild encephalopathy identified in the first six hours of life: neurodevelopmental outcomes at 18-22 months. *Pediatr Res*. 84(6); 861-868.

223. Shankaran S, Bell EF, Laptook AR, Saha S, Newman NS, Kazzi SNJ, Barks J, Stoll BJ, Bara R, Gabrio J, Childs K, Das A, Higgins RD, Carlo WA, Sanchez PJ, Carlton DP, Pavageau L, Malcolm WF, D'Angio CT, Ohls RK, Poindexter BB, Sokol GM, Van Meurs KP, Colaizy TT, Khmour A, Puopolo KM, Garg M, Walsh MC, Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network. (2019) Weaning of Moderately Preterm Infants from the Incubator to the Crib: A Randomized Clinical Trial. *J Pediatr.* 204:96-102 PubMed PMID: 30337189. PMCID: PMC6326364
224. Bingham A, Gundogan F, Rand K, Laptook AR. (2019). Placental findings among newborns with hypoxic ischemic encephalopathy. *J Perinatol.* 39(4):563-570 . doi: 10.1038/s41372-019-0334-9. PubMed PMID: 30770878.
225. Bonifacio SL, Van Meurs K, McDonald S, Chock V, Wusthoff CJ, Hintz S, Laptook A, Shankaran S, Higgins R. (2019). Differences in Patient Characteristics and Care Practices between Two Trials of Therapeutic Hypothermia. *Pediatric Research,* 85(7):1008-1015.
226. Edwards L, Cotten CM, Smith PB, Goldberg R, Saha S, Das A, Laptook AR, Stoll BJ, Bell EF, Carlo WA, D'Angio CT, DeMauro SB, Sanchez PJ, Shankaran S, Van Meurs KP, Vohr BR, Walsh MC, Malcolm WF for the Eunice Kennedy Shriver National Institute of Child Health Human, Development Neonatal Research Network. (2019). Inadequate oral feeding as a barrier to discharge in moderately preterm infants. *J Perinatol.* 39(9): 1219-1228.
227. McGowan EC, Laptook AR, Lowe J, Peralta-Carcelen M, Chowdhury D, Higgins RD, Hintz SR, Vohr BR, Eunice Kennedy Shriver National Institute of Child, Human Development Neonatal Research Network (2019). Developmental Outcomes of Extremely Preterm Infants with a Need for Child Protective Services Supervision. *J Pediatr.* 2019;215:41-49 e44
228. Gantz MG, Carlo WA, Finer NN, Rich W, Faix RG, Yoder BA, Walsh MC, Newman NS, Laptook A, Schibler K, Das A, Higgins RD, Support Study Group of the Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network. (2020). Achieved oxygen saturations and retinopathy of prematurity in extreme preterms. *Arch Dis Child Fetal Neonatal Ed.* 105(2): 138-144.
229. Travers CP, Carlo WA, McDonald SA, Das A, Ambalavanan N, Bell EF, Sanchez PJ, Stoll BJ, Wyckoff MH, Laptook AR, Van Meurs KP, Goldberg RN, D'Angio CT, Shankaran S, DeMauro SB, Walsh MC, Peralta-Carcelen M, Collins MV, Ball MB, Hale EC, Newman NS, Profit J, Gould JB, Lorch SA, Bann CM, Bidegain M, Higgins RD, Generic D, Follow-up Subcommittees of the Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network. (2020). Racial/Ethnic Disparities Among Extremely Preterm Infants in the United States From 2002 to 2016. *JAMA Netw Open,* 3(6):e206757
230. Stoll BJ, Puopolo KM, Hansen NI, Sanchez PJ, Bell EF, Carlo WA, Cotten CM, D'Angio CT, Kazzi SNJ, Poindexter BB, Van Meurs KP, Hale EC, Collins MV, Das A, Baker CJ, Wyckoff MH, Yoder BA, Watterberg KL, Walsh MC, Devaskar U, Laptook AR, Sokol GM, Schrag SJ, Higgins RD, and the Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network.(2020). Early-Onset Neonatal Sepsis 2015 to 2017, the Rise of *Escherichia coli*, and the Need for Novel Prevention Strategies. *JAMA Pediatr.* 174(7) e200593.

231. Shapiro S, Trail-Burns E, Slader MG, Laptook AR, DePaepe ME (2020). Correlation Between Chorionic Plate Vascularization and Risk of Bronchopulmonary Dysplasia in Extremely Preterm Infants. *Placenta*, 101:154-158.
232. Shankaran S, Bajaj M, Natarajan G, Saha S, Pappas A, Davis AS, Hintz SR, Adams-Chapman I, Das A, Bell EF, Stoll BJ, Walsh MC, Laptook AR, Carlo WA, Van Meurs KP, Sanchez PJ, Ball MB, Hale EC, Seabrook R, Higgins RD for the Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research N. (2020). Outcomes Following Post-Hemorrhagic Ventricular Dilatation among Extremely Low Gestational Age Infants. *J Pediatr* 226: 36-44 e3.
233. Pappas A, Shankaran S, McDonald SA, Carlo WA, Laptook AR, Tyson JE, Das A, Skogstrand K, Hougaard DM, Higgins RD. (2020). Blood Biomarkers and 6-to7-Year Childhood Outcomes Following Neonatal Encephalopathy. *Am J Perinatol*. Oct 10. doi: 10.1055/s-0040-1717072. Online ahead of print.
234. Chawla S, Laptook AR, Smith EA, Tan S, Natarajan G, Wyckoff MH, Ambalavanan N, Bell EF, Van Meurs KP, Stevenson DK, Werner EF, Greenberg RG, Das A, Shankaran S for the Eunice Kennedy Shriver National Institute of Child Health Human Development Neonatal Research Network. (2020). In-hospital mortality and morbidity among extremely preterm infants in relation to maternal body mass index. *J Perinatol*. Oct 6. doi:10.1038/s41372-020-00847-0. Online ahead of print
235. 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, Laptook 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 (2020). Higher or Lower Hemoglobin Transfusion Thresholds for Preterm Infants. *N Engl J Med*. 383(27): 2639-2651.
236. Laptook 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 NICHD Neonatal Research Network. (2020). 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*. In Press
237. Agarwal P, Shankaran S, Laptook AR, Chowdhury D, Lakshminrusimha S, Lomeli Bonifacio S, Natarajan G, Chawla S, Keszler M, Heyne RJ, Ambalavanan N, Walsh MC, Das A, Van Meurs KP for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. (2020). Outcomes of Infants with Hypoxic Ischemic Encephalopathy and Persistent Pulmonary Hypertension of the Newborn: Results from Three NICHD Studies. *J Perinatology*. In Press
238. Arnautovic TI, Longo JL, Trail-Burns EJ, Tucker R, Keszler M, & Laptook AR (2021) Antenatal Risk Factors Associated with Spontaneous Intestinal Perforation in Preterm Infants Receiving Post-natal Indomethacin. *J Pediatrics*, In Press

## INVITED NON PEER-REVIEWED PUBLICATIONS

1. Laptook AR: Commentary. *Pediatr. Infect. Dis. J.* 6:246, 1987.
2. Laptook AR: Guest Editor; Magnetic resonance in newborn medicine. *Seminars in Perinatology*, 14:189-271, June 1990.
3. Laptook AR: Commentary. 2002 Yearbook of Neonatal-Perinatal Medicine.
4. Higgins RD, Raju T, Perlman J, Azzopardi DV, Blackmon LR, Clark RH, Edwards AD, Ferriero DM, Gluckman PD, Gunn AJ, Jacobs SE, Eicher DJ, Jobe AH, Laptook AR, LeBlanc MH, Palmer C, Shankaran S, Soll RF, Stark AR, Thoresen M, Wyatt J and the NICHD Hypothermia Workshop Speakers and Discussants. Hypothermia and perinatal asphyxia: Executive summary of the NICHD Workshop. *J Pediatr*, 148:170-175, 2006.
5. Shankaran S, Laptook A. Letter to the Editor. *New England Journal of Medicine*, 354:1643-1645, 2006.
6. Raju TNK, Higgins RD, Stark AR, Leveno KJ. Optimizing care and outcome for late preterm (near-term) infants: A summary of the workshop sponsored by the NICHD. *Pediatrics*, 118:1207-14, 2006.
7. Laptook AR: Commentary. 2007 Yearbook of Neonatal-Perinatal Medicine.
8. Higgins RD, Shankaran S, Laptook AR. Hypoxic ischemic encephalopathy in infants. *British Medical Journal*, 340: c397, 2010.
9. Shankaran S, Laptook A, Poole WK for the Eunice Kennedy Shriver NICHD Neonatal Research Network. Letter to the Editor. *New England Journal of Medicine*, 362(11):1051-1052, 2010.
10. Laptook, AR. Commentary: The Neo.nEuro.Network hypothermia randomized controlled trial. *Pediatrics*, 126:e965-966, 2010.
11. Laptook, AR. Translating Best Evidence Into Best Care, Invited Commentary; Simbruner G., et al.: Systemic hypothermia is beneficial for infants with hypoxic-ischemic encephalopathy. *J Pediatr*, 158(3):514-515, 2011.
12. Laptook, AR. Editorial. Initiating therapeutic hypothermia during transport for encephalopathy: Current state and future direction. *Journal of Perinatology*, 33:169-170, 2013.
13. Laptook, A. Editorial. Amplitude integrated electroencephalogram (aEEG): has it found its niche in neonatal intensive care? *Jornal de Pediatria (Brazil)*, 90(2):102-104, 2014.
14. Laptook, A. The importance of temperature on the neurovascular unit. *Early Human Development*. 2014. doi: 10.1016/j.earlhumdev.2014.06.008. PMID: 25043136

15. Laptook AR and McGowan EC. Outcomes in the era of therapeutic hypothermia. *NeoReview*, 15(9):e386-e395, 2014.
16. Laptook, AR. Commentary: Neonatal and infant death: The Apgar score reassessed. *The Lancet*, 2014 doi: 10.1016/S0140-6736(14)61305-2. PubMed PMID: 25236410
17. Laptook A, Hanlon-Walker M, Baker JE, Snady-McCoy L, Donahue J. Development of a comprehensive program for Retinopathy of Prematurity: A strategy to minimize loss to follow-up after discharge. *NICU Currents: Continuing Education for Nurses and Dietitians*, 5(1), 2015.
18. Laptook, AR. Editorial. Therapeutic Hypothermia for Preterm Infants with Hypoxic-Ischemic Encephalopathy: How Do We Move Forward? *Journal of Pediatrics*, 183:8-9, April 2017.
19. Laptook, AR, Tyson JE, Pedroza C., Shankaran S, Bell EF, Goldberg RN, Ambalavanan N, Munoz B, Das A. (2019). Response to A Different View Concerning the NICHD Neonatal Research Network Late Hypothermia Trial. *Acta Paediatrica*. 108(4):772-773.
20. Czynski, AJ & Laptook, AR. (2021). The Time is NOW; Filling the Gaps in Treatment of Opioid Exposed Infants: A Prospective Pragmatic Randomized Control Drug Trial. *Rhode Island Medical Journal*. In Press



## BOOKS AND BOOK CHAPTERS:

1. Luptook A, Oh W: Acid-base disorders in neonatology and pediatrics. Critical Care Medicine: Principles and Practices. Lippincott Company, 1981.
2. Brubakk AM, Oh W, Luptook AR, Yao AC, Bratlid D, Stonestreet BS: Autoregulation of brain blood flow in the newborn piglet. Physiologic Foundations of Perinatal Care, Vol. 2. Elsevier, 1987.
3. Luptook AR: Magnetic resonance: Safety considerations and future directions. Seminars in Perinatology, 14:189-192, 1990.
4. Rosenfeld CR, Luptook AR, Von Stockhausen HK: Periventricular-Intraventricular Hemorrhage. Pediatric Therapy, Mosby-Yearbook Inc, 1993.
5. Luptook AR, Corbett RJT: Therapeutic hypothermia: A potential neuroprotective and neuroresuscitative strategy for neonatal hypoxia-ischemia. Prenatal and Neonatal Med. 1:199-212, 1996.
6. Luptook AR, Corbett RJT: The effects of temperature on hypoxic-ischemic brain injury. Clinics in Perinatology 29:623-649, 2002.
7. Shankaran S, Luptook A: Challenge of conducting trials of neuroprotection in the asphyxiated term infant. Seminars in Perinatology. 27:320-332, 2003.
8. Luptook A, Jackson GL. Cold stress and hypoglycemia in the late preterm (“near-term”) infant: Impact on nursery of admission. Seminars in Perinatology, 30: 24-27, 2006.
9. Shankaran S, Luptook AR: Hypothermia as a treatment for birth asphyxia. Clinics in Ob/Gyn, 50(3):624-35, 2007.
10. Luptook AR: Brain cooling for neonatal encephalopathy: Potential indications for use. In JM Perlman and RA Polin (Eds.), Neurology: Neonatology Questions and Controversies (66-78). Philadelphia, PA: Saunders Elsevier, 2008.
11. Luptook AR, Watkinson M. Temperature management in the delivery room. Seminars in Fetal & Neonatal Medicine, 13: 383-91, 2008.
12. Luptook AR: Use of therapeutic hypothermia for term infants with hypoxic-ischemic encephalopathy. In L Jain and DP Carlton (Guest Eds.), Advances in Neonatology: Pediatric Clinics of North America (601-16). Philadelphia, PA: Saunders Elsevier, 2009.
13. Luptook AR: The use of hypothermia to provide neuroprotection for Neonatal Hypoxic-Ischemic Brain Injury. In JM Perlman and RA Polin (Eds.), Neurology: Neonatal questions and controversies, 2<sup>nd</sup> Ed.. Philadelphia, PA: Saunders Elsevier, 2012.
14. Luptook AR, Azzopardi D: Whole body cooling for therapeutic hypothermia. In AD Edwards, DV Azzopardi and AJ Gunn (Eds.), Neonatal Neural Rescue: A Clinical Guide (107-118). Cambridge University Press, 2013.

15. Laptook AR, Azzopardi D: Neonatal Care of Infants of Mothers with Diabetes. In DR Coustan (Ed.), Medical Management of Pregnancy Complicated by Diabetes, 5<sup>th</sup> Ed. (153-170). American Diabetes Association, 2013.
16. Badjatia N, White CJ, Laptook A, Foedisch, M. (2013). Expert Panel Discussions: Current Advances in the Use of Therapeutic Hypothermia. *Therapeutic hypothermia and temperature management* 3(3):109-113 PMID 3770194
17. Laptook AR: Neurologic and Metabolic Issues in Moderately Preterm, Late Preterm and Early Term Infants. In L Jain, T Raju (Eds.), Clinics in Perinatology on Moderate Preterm, Late Preterm and Early Term Births. 40(4): 723-738, 2013.
18. Laptook AR: Neonatal Interventions: Adjuvant Therapies for Treatment of Encephalopathy. In the Joint Task Force by the American College of Ob Gyn and the American Academy of Pediatrics, Neonatal Encephalopathy and Neurologic Outcome, 2<sup>nd</sup> Ed.. March 2014.
19. Laptook AR: Neonatal Encephalopathy. In DK Stevenson, P Sunshine, RS Cohen, P Sunshine (Eds.), Neonatology: Clinical Practice and Procedures, New York, NY: McGraw-Hill Education, 143-152, 2015.
20. Shankaran S, Natarajan G, Chalak L, Pappas A, McDonald SA, Laptook A. Hypothermia for Neonatal Hypoxic-Ischemic Encephalopathy: NICHD Neonatal Research Network Contribution to the Field. Seminars in Perinatology, 40(6): 385-390, 2016.
21. Laptook AR: Birth Asphyxia and Hypoxic-Ischemic Brain Injury in the Preterm Infant. In BD Kamath-Rayne, AH Jobe (Eds.), Clinics in Perinatology on Birth Asphyxia, 529-545, 2016.
22. Natarajan G, Laptook A, Shankaran S. Therapeutic Hypothermia: How Can We Optimize This Therapy to Further Improve Outcomes? Clinics in Perinatology, 45: 241-255, 2018. PMID: PMC5953210
23. Laptook A. Perinatal Hypoxia-Ischemia. In R Polin, Mervin Yoder (Eds). Workbook in Practical Neonatology 6<sup>th</sup> Ed.. Elsevier, Philadelphia, PA. 22-37, November 2019.

## ABSTRACTS:

1. Cashore WJ, Broderson R, Laptook A, Oh W: Bilirubin index in term and preterm infants. Society for Pediatric Research, San Antonio, TX, April 1980.
2. Laptook A, Stonestreet BS, Oh W: Autoregulation of brain blood flow: Regional differences in reduced brain blood flow with hypotension. Presented at the Society for Pediatric Research, San Francisco, CA, April 1981.
3. Laptook A, Stonestreet BS, Oh W: Effects of rate of volume expansion on brain blood flow after asphyxia and hypotension in the piglet. Presented at the Society for Pediatric Research, San Francisco, CA, April 1981.
4. Stonestreet BS, Laptook A, Oh W: Effects of asphyxia on regional blood flow in the neonatal brain. Society for Pediatric Research, San Francisco, CA, April 1981.
5. Stonestreet BS, Laptook A, Oh W, Tsang RC: Asphyxia induced alterations in serum and renal calcium, magnesium, and phosphate homeostasis. Society for Pediatric Research, San Francisco, CA, April 1981.
6. Stonestreet BS, Laptook A, Siegal SR, Oh W: Effects of asphyxia on renal function in term and preterm lambs. Society for Pediatric Research, San Francisco, CA, April 1981.
7. Laptook AR, Rosenfeld CR: Effects of tolazoline on cerebral hemodynamics in the newborn piglet. Presented at The Southern Society for Pediatric Research, New Orleans, LA, January 1983.
8. Perales A, Naden RP, Laptook AR, Rosenfeld CR: Fetal responses to maternal infusions of angiotensin II (AII). Presented at the Society for Pediatric Research, Washington, DC, May 1983.
9. Laptook AR, Rosenfeld CR: Cerebral vascular responses to tolazoline (Tz) infusions during neonatal hypoxia. Society for Pediatric Research, Washington, DC, May 1983.
10. Siegel JD, Luby JP, Laptook AR, Butler S: Identification of coronavirus (CRNV) in a premature nursery during an outbreak of necrotizing enterocolitis (NEC) and diarrhea (D). Society for Pediatric Research, Washington, DC, May 1983.
11. Laptook AR, Porter AM, Peterson J: Pattern of cerebral reperfusion following brain ischemia. Society for Pediatric Research, San Francisco, CA, May 1984.
12. Laptook AR, Porter AM, Peterson J: Role of blood flow in cerebral lactic acid delivery (LD) and uptake (CMR<sub>L</sub>). Presented at the Society for Pediatric Research, San Francisco, CA, May 1984.
13. Laptook AR: Effects of NaHCO<sub>3</sub> on cerebral blood flow (CBF) during hypoxia and acidosis in newborn piglets. Presented at the Society for Pediatric Research, San Francisco, CA, May 1984.

14. Laptook AR, Porter AM, Peterson J: Cerebral blood flow and handling of O<sub>2</sub> during cerebral ischemia and reperfusion. Presented at the International Symposium of Physiological Development of the Fetus and Newborn, Oxford, England, July 1984.
15. Rosenfeld CR, Faucher DJ, Lowe T, Laptook AR, Porter JC: Vasopressin and catecholamine secretion during fetal stress: The independent effects of acute hypoxia and metabolic acidosis. Presented at the International Symposium of Physiological Development of the Fetus and Newborn, Oxford, England, July 1984.
16. Lowe T, Faucher DJ, Laptook AR, Porter JC, Rosenfeld CR: Effects of acute metabolic acidosis on arginine vasopressin (AVP) and catecholamine (C) release in the ovine fetus. Presented at the International Congress of Endocrinology, Quebec City, Canada, July 1984.
17. Faucher DJ, Porter JC, Laptook AR, Rosenfeld CR: Effects of acute hypercapnia on arginine vasopressin (AVP) release in the ovine fetus. Presented at the 7th Midwestern Conference on Perinatal Research, Lake of the Ozarks, MO, September 1984.
18. Laptook A, Peterson J, Porter AM: Cerebral blood flow (CBF) changes with lactic acid (LA) infusions are independent of pH. Presented at the Society for Pediatric Research, Washington, DC, May 1985.
19. Corbett RJT, Nguyen HT, Laptook AR, Nunnally RL: Assessment of cerebral energy metabolism and intracellular pH in ischemic neonatal piglets using in vivo P-31 NMR. Presented at The Society for Magnetic Resonance Imaging, Philadelphia, PA, March 1986.
20. Laptook AR, Corbett RJT, Nunnally RL: Reversible alterations in <sup>31</sup>Phosphorus nuclear magnetic resonance (<sup>31</sup>P-NMR) spectroscopy of brain during ischemia. Presented at the Society for Pediatric Research, Washington, DC, May 1986.
21. Laptook AR, Faucher DJ, Rosenfeld CR: Uterine blood flow (UBF) changes do not determine fetal responses to maternal angiotensin II (AII) infusions. Presented at the Society for Pediatric Research, Washington, DC, May 1986.
22. Rosenfeld CR, Laptook AR, Perales A: Maternal-fetal placental clearance and transport of angiotensin II (AII). Presented at the Society for Pediatric Research, Washington, DC, May 1986.
23. Faucher DJ, Porter JC, Laptook AR, Parker CR, Rosenfeld CR: Effect of arginine vasopressin (AVP) on fetal secretion of cortisol (F). Presented at the Society for Pediatric Research, Washington, DC, May 1986.
24. Rosenfeld CR, Laptook AR, Perales A, Magness RR: Maternal-fetal placental clearance and transport of angiotensin II (AII). Society of Hypertension in Pregnancy, Nottingham, England, July 1986.
25. Rosenfeld CR, Laptook AR, Faucher DJ: Decreases in uterine blood flow (UBF) do not determine fetal responses to maternal angiotensin II (AII) infusion. Society of Hypertension in Pregnancy, Nottingham, England, July 1986.

26. Corbett RJT, Lptook AR, Nunnally RL: Measurement of intracellular pH in neonatal brain using the chemical shift of phosphoethanolamine. Presented at the Society of Magnetic Resonance in Medicine, Montreal, Canada, August 1986.
27. Lptook AR, Corbett RJT, Peterson J, Hassan A, Nunnally RL: Cerebral energy metabolism and blood flow during repeated partial ischemia. Presented at the Society for Pediatric Research, Anaheim, CA, April 1987.
28. Corbett RJT, Lptook AR, Hassan A, Nunnally RL: Comparison of two measures of pH in piglets during hypercarbia and ischemia. Presented at the Society of Magnetic Resonance in Medicine, New York City, NY, August 1987.
29. Lptook AR, Corbett RJT, Nunnally RL: Modulation of cerebral metabolism by plasma glucose concentration during ischemia. Society for Pediatric Research, Washington, DC, May 1988.
30. Strand C, Lptook AR, Dowling S, Campbell N, Lasky RE, Wallin LA, Maravilla AM, Rosenfeld CR: Changing pattern of intracranial hemorrhage (ICH) in inborn low-birth-weight (LBW) infants. Presented at the Society for Pediatric Research, Washington, DC, May 1988.
31. Wallin LA, Rosenfeld CR, Lptook AR, Maravilla AM, Strand C, Campbell N, Lasky RE: Intracranial hemorrhage (ICH): Inability to develop a predictive model. Society for Pediatric Research, Washington, DC, May 1988.
32. Corbett RJT, Lptook AR, Nunnally RL: Correlation of intracellular pH and lactate in ischemic neonatal brain. Presented at the Society of Magnetic Resonance in Medicine, San Francisco, CA, August 1988.
33. Lptook AR, Corbett RJT, Uauy R, Mize C, Mendelsohn D, Nunnally RL: Is pH<sub>pi</sub> a marker for brain injury following perinatal asphyxia. Presented at the Society of Magnetic Resonance in Medicine, San Francisco, CA, August 1988.
34. Mize CE, Bertocci LA, Corbett RJT, Lptook AR, Uauy R: Hypotonia of infantile hypophosphatasia: Relative diminution of muscle phosphagens. Presented at the Society for Magnetic Resonance in Medicine, San Francisco, CA, August 1988.
35. Corbett RJT, Lptook AR, Olivares E: Comparison of cerebral blood flow measurements in piglets by deuterium NMR and radioactive microspheres. Presented at the International Symposium on Cerebral Blood Flow and Metabolism, Bologna, Italy, May 1989.
36. Rosenfeld CR, Lptook AR, Jeffery J: Limited effectiveness of triple dye in prevention of colonization with methicillin resistant staphylococcus aureus in a Special Care Nursery. Presented at the Society for Pediatric Research, Washington, DC, May 1989.
37. Lptook AR, Corbett RJT, Ruley J: Repeated ischemia alters cerebral blood flow (CBF) and metabolism. Presented at the Society for Pediatric Research, Anaheim, CA, May 1990.
38. Corbett RJT, Lptook AR: In vivo <sup>31</sup>P and <sup>1</sup>H NMR measurements of acid homeostasis following ischaemia in newborn brain. Presented at the 10th International Biophysics Congress, Vancouver, Canada, July 1990.

39. Laptook AR, Corbett RJT, Ruley J: Is hyperglycemia beneficial during neonatal brain ischemia? Presented at the XVth International Symposium on Cerebral Blood Flow and Metabolism. Miami, FL, June 1991.
40. Corbett RJT, Laptook AR, Ruley J, Olivares E: Variables affecting cerebral energy insult intensity in newborn piglets during asphyxia: An in vivo  $^{31}\text{P}$  and  $^2\text{H}$  NMR study. XVth International Symposium on Cerebral Blood Flow and Metabolism. Miami, FL, June 1991.
41. Corbett RJT, Laptook A, Ruley J, Garcia D: Cerebral acid buffering capacity during development measured in vivo by  $^{31}\text{P}$  and  $^1\text{H}$  NMR spectroscopy. Presented at the XIII Meeting of the International Society of Neurochemistry. Sydney, Australia, July 1991.
42. Corbett RJT, Laptook A, Ruley J, Garcia D: Glucose dependence of cerebral glycolytic rates measured at different ages. Presented at the Society of Magnetic Resonance in Medicine. San Francisco, CA, August 1991.
43. Laptook AR, Corbett RJT, Arencibia-Mireles O, Ruley J: The effects of systemic glucose concentration on repeated brain ischemia. Presented at the Society for Pediatric Research, Baltimore, MD, May 1992.
44. Laptook AR, Corbett RJT, Sterett R, Burns DK, Tollefsbol G, Garcia D: Modest hypothermia is beneficial for ischemic neonatal brain. Presented at the Society for Pediatric Research, Washington, DC, May 1993.
45. King T, Perlman J, Laptook A, Rollins N, Standard D, Little B: Neonatal neurologic findings following in utero cocaine exposure. Society for Pediatric Research, Washington, DC, May 1993.
46. Corbett RJT, Laptook AR, Sterett R, Tollefsbol G, Garcia D: The effect of hypercarbia on age-related changes in cerebral agonal glycolytic rates. Presented at the XVI<sup>th</sup> International Symposium on Cerebral Blood Flow and Metabolism, Japan, May 1993.
47. Laptook AR, Corbett RJT, Sterett R, Burns D, Tollefsbol G, Garcia D: A potential mechanism for ischemic neuroprotection by modest hypothermia: Attenuation of brain acidosis. Presented at the Society of Magnetic Resonance in Medicine, New York, NY, August 1993.
48. King T, Perlman J, Laptook A, Standard D, Rollins N, Little B: Neurologic findings in neonates following cocaine exposure. Presented at the Society for Child Neurology, Orlando, FL, October 1993.
49. Sanchez PJ, Laptook A, Fisher L, Sumner J, Perlman J: Is apnea (AP) a hazard of immunization (IMM) for preterm infants (INF)? Presented at the American Society for Microbiology, 33rd ICAAC, New Orleans, LA, October 1993.
50. King T, Jackson G, Burks M, Hawkings H, Josey A, McHugh K, Vedro D, Yellin W, Laptook A: Unanticipated severe umbilical artery (UA) acidemia in term neonates admitted to a Newborn Nursery: Is it benign? Presented at the Society for Pediatric Research, Seattle, WA, May 1994.

51. Corbett RJT, Laptook A: Age related changes in swine brain creatine kinase catalyzed <sup>31</sup>P exchange. Presented Society of Magnetic Resonance in Medicine, San Francisco, CA Aug 1994.
52. Corbett RJT, Tollefsbol G, Laptook A: Measurement of brain temperature in vivo using <sup>1</sup>H NMR spectroscopy. Presented at the Society of Magnetic Resonance in Medicine, San Francisco, CA, August 1994.
53. Laptook AR, Corbett RJT, Sterret R, Garcia D, Tollefsbol G: Modest hypothermia reduces brain energy utilization. Presented at the Child Neurology Society, San Francisco, CA, October 1994.
54. Laptook AR, Corbett RJT, Sterett R, Burns DK, Tollefsbol G, Garcia D: Modest hypothermia immediately following brain ischemia provides partial neuroprotection. Presented at the Society for Pediatric Research. San Diego, CA, May 1995.
55. Corbett RJT, Laptook AR, Tollefsbol G, Garcia D: Age related differences in lactate and acid clearance rates following ischemia. Presented at the Society for Cerebral Blood Flow and Metabolism, Cologne, Germany, July 1995.
56. Corbett RJT, Laptook AR, Sterett R: Effect of hypoxia on glucose-modulated cerebral lactic acidosis, agonal glycolytic rates and energy utilization. Presented at the European Society of Magnetic Resonance in Neuropediatrics. Oxford, United Kingdom, December 1995.
57. Gee JB, Corbett RJT, Perlman JM, Laptook AR: Does systemically administered magnesium increase brain extracellular fluid magnesium levels? Presented at the Southern Society of Pediatric Research, New Orleans, LA, January 1996.
58. Jackson GL, Sendelbach D, Kennedy K, Talley D, Aldridge C, Vedro D, Laptook AR: Evaluation of age at identification of problems in low risk term newborns - Implications for early discharge. Presented at the Society for Pediatric Research, Washington, DC, May 1996.
59. Gee JB, Corbett RJT, Perlman JM, Garcia D, Silmon S, Laptook, AR: Magnesium (Mg) increases to comparable levels in brain extracellular fluid (ECF) in newborn (new) and older (old) swine during systemic administration of magnesium sulfate. Presented at the Society of Pediatric Research, Washington DC, May 1996.
60. Engle WD, Laptook AR, Perlman JM: Hypo/hypercarbia and early neurologic (neuro) outcome following perinatal asphyxia (PA) in the term infant. Presented at the Society of Pediatric Research, Washington DC, May 1996.
61. Corbett RJT, Laptook AR, Weatherall PL: Noninvasive measurement of brain temperature in human subjects using volume localized H-1 magnetic resonance spectroscopy. Presented at the International Society for Magnetic Resonance in Medicine, Vancouver B.C., Canada, April 1997.
62. Gee GB, Corbett RJT, Perlman JM, Laptook AR: Effects of hypoxia-ischemia on the relationship between plasma and brain extracellular fluid magnesium concentration. Presented at The Society for Pediatric Research, Washington, DC, May 1997.

63. Corbett RJT, Laptook AR, Burns D, Garcia D, Silmon S: Effects of severe acidosis on neurologic and histologic outcome in newborn versus 1 month old swine. Presented at Perinatal Cerebral Blood Flow and Metabolism, Satellite Symposia of Brain 97, Hershey, PA, June 1997.
64. Laptook AR, Corbett RJT, Lain T, Burns D, Sterett R: P-31 magnetic resonance spectroscopy (MRS) enhances prediction of neonatal brain damage. Presented at Perinatal Cerebral Blood Flow and Metabolism. Satellite Symposia of Brain 97, Hershey, PA, June 1997.
65. Corbett RJT, Laptook AR, Weatherall P: Noninvasive measurement of brain temperature in human subjects using volume localized H-1 magnetic resonance spectroscopy. Presented at Brain 97, Baltimore, MD, June 1997.
66. Laptook AR, Corbett RJT, Burns DK, Sterett R: A limited interval of modest hypothermia for ischemic brain resuscitation is not beneficial in neonatal swine. Presented at Brain 97, Baltimore, MD, June 1997.
67. Gee JB, Corbett RJT, Perlman JM, Laptook AR: Effect of MgSO<sub>4</sub> on cerebral energy state and intracellular Mg (Mgi) during and following hypoxia-ischemia (HI). Presented at The Society for Pediatric Research, New Orleans, LA, May 1998.
68. Laptook AR, Lain EL, Corbett RJT: Brain temperature reduction during ischemia increases with immaturity. Presented at The Society for Pediatric Research, New Orleans, LA, May 1998.
69. Laptook AR, Shalak L, Corbett RJT: Differences in brain temperature during head versus body cooling. Presented at The Society for Pediatric Research, San Francisco, CA, May 1999.
70. Mendez DR, Corbett R, Macias CG, Laptook AR: Total and ionized plasma magnesium concentrations in children after traumatic brain injury. Presented at The American Academy of Pediatrics, Chicago, IL, October 2000.
71. Shalak L, Laptook A, Perlman J: Amplitude-Integrated electroencephalography: A valuable addition to the early neurological assessment of newborns with birth depression who are candidates for early therapeutic interventions. Presented at Society for Child Neurology, St. Louis, MO, October 2000.
72. Laptook A, Shankaran S, Wogelmuth L: Optimizing control of body and brain temperature during induced whole body hypothermia. Presented at The Pediatric Academic Societies Meeting. Baltimore, MD, May 2001.
73. Shalak L, Perlman J, Jackson G, Velaphi S, Laptook A: Depressed term infants born to mothers with chorioamnionitis: Is fever the missing link? Presented at The Pediatric Academic Societies Meeting. Baltimore, MD, May 2001.
74. Shalak L, Laptook A, Jafri H, Ramilo O, Perlman J: Clinical chorioamnionitis, elevated cytokines and brain injury in term infants. Presented at The Pediatric Academic Societies Meeting. Baltimore, MD, May 2001.



75. Shalak L, Laptook AR, Velaphi SC, Perlman JM: The amplitude integrated EEG coupled with an early neurologic exam is an important adjunct method for enrollment of high risk term infants in neuroprotective strategies. Presented at The Pediatric Academic Societies Meeting, Baltimore, MD, May 2001.
76. Laptook AR, Corbett RJT: Noninvasive measurement of brain temperature (Tb): The zero gradient method. Presented at The Pediatric Academic Societies Meeting. Baltimore, MD, May 2001.
77. Shankaran S, Laptook A, Wright LL, Ehrenkranz RA, Donovan EF, Fanaroff AA, Stark AR, Tyson JE, McDonald S, Poole K: Whole body hypothermia for hypoxic-ischemic encephalopathy (HIE) in term infants: Multicenter randomized controlled pilot study of feasibility. Presented at The Pediatric Academic Societies Meeting. Baltimore, MD, May 2001.
78. Shoup A, Owen K, Jackson G, Laptook A: Universal newborn hearing screening (UNHS) in a large county hospital: The Parkland Memorial Hospital (PMH) protocol to minimize loss to follow-up. Presented at The Pediatric Academic Societies Meeting. Baltimore, MD, May 2001.
79. Wadhawan R, Vohr BR, Fanaroff AA, Perritt R, Duara S, Stoll BJ, Goldberg R, Laptook A, Poole K, Wright LL, Oh W: Does labor influence neonatal outcomes of extremely low birth weight infants delivered by C-section? Presented at the Pediatric Academic Societies Meeting, Baltimore, MD, May 2002.
80. Duara S, Stoll BJ, Wright LL, Gard C, Oh W, Fanaroff AA, Poole K, Goldberg RN, Laptook AR: Early death in extremely low birth weight infants: A changing profile over the past decade. Presented at the Pediatric Academic Societies Meeting, Baltimore, MD, May 2002.
81. Hintz SR, Kendrick DE, Wright LL, Poole K, Fanaroff AA, Laptook AR, Goldberg R, Duara S, Stoll BJ, Oh W: Mortality and major morbidity among very low birth weight infants born <25 weeks: How are we doing in the post surfactant era? Presented at the Pediatric Academic Societies Meeting, Baltimore, MD, May 2002.
82. Wadhawan R, Fanaroff AA, Perritt R, Duara S, Stoll BJ, Goldberg R, Laptook A, Poole K, Wright LL, Oh W: Lack of early postnatal weight loss in very low birth weight infants is associated with a higher incidence of bronchopulmonary dysplasia. Presented at the Pediatric Academic Societies Meeting, Baltimore, MD, May 2002.
83. Cotton M, Oh W, McDonald S, Fanaroff AA, Duara S, Laptook A, Carlo WA, Stoll BJ, Poole K, Wright LL, Goldberg RN: Predictors of prolonged hospital stay for extremely low birth weight infants. Presented at the Pediatric Academic Societies Meeting, Baltimore, MD, May 2002.
84. Wyckoff MH, Garcia D, Perlman JM, Laptook AR: Effects of dynamic lung compliance on end-tidal CO<sub>2</sub> monitoring in newborn piglets and human neonates. Presented at the Pediatric Academic Societies Meeting, Baltimore, MD, May 2002.
85. Wyckoff M, Perlman J, Laptook A: Use of volume expansion during delivery room resuscitation in near-term and term infants. Presented at the Pediatric Academic Societies Meeting, Baltimore, MD, May 2002.

86. Laptook AR, O'Shea TM, Shankaran S, Bhaskar B: Extremely low birth weight infants (ELBW, BW <1000gm) with normal head ultrasounds (HUS) have poor early neurodevelopment (ND). Presented at the Pediatric Academic Societies Meeting, Seattle, WA, May 2003.
87. Wyckoff MH, Garcia D, Perlman JM, Laptook AR: End-tidal CO<sub>2</sub> (ETCO<sub>2</sub>) predicts early response to cardiopulmonary resuscitation (CPR) in neonates. Presented at the Pediatric Academic Societies Meeting, Seattle, WA, May 2003.
88. Shankaran S, Langer S, Kazzi SN, Laptook A, Walsh M: Cumulative hours of exposure to hypocarbia and hyperoxia as risk factors for periventricular leukomalacia (PVL) in low birth weight infants. Presented at the Pediatric Academic Societies Meeting, Seattle, WA, May 2003.
89. Fanaroff AA, Poole K, Duara S, Goldberg RN, Laptook A, Oh W, Stoll B, Wright LL: Infants with birth weights between 401-500 grams: The NICHD Neonatal Research Network Experience, 1996-2001. Presented at the Pediatric Academic Societies Meeting, Seattle, WA May 2003.
90. Laptook A, Allen J, Salhab W, Saha S, Walsh M: Potential hazards of lower oxygen saturation (SaO<sub>2</sub>) targets in infants with a birth weight <1250g. Presented at the Pediatric Academic Societies Meeting, San Francisco, May 2004.
91. Shankaran S, Laptook AR, Ehrenkranz RA, Donovan EF, Fanaroff AA, Tyson JE, McDonald SA, Poole K, Wright LL, Higgins R, Goldberg R, and the NICHD Neonatal Research Network: Safety of whole body hypothermia for hypoxic-ischemic encephalopathy. Presented at the Pediatric Academic Societies Meeting, San Francisco, May 2004.
92. Shalak, L, Laptook A, Johnson-Welsh S, Perlman J: Histologic (HIST) chorioamnionitis (CA) is a poor predictor of neonatal encephalopathy (NE) in term infants with severe fetal acidemia (SFA). Presented at the Pediatric Academic Societies Meeting, San Francisco, May 2004.
93. Shalak LF, Wyckoff MH, Laptook AR, Jafri HS, Ramilo O, Perlman JM: Selective inflammatory cytokines response after asphyxia and volume resuscitation (COL) in a neonatal piglet mode. Presented at the Pediatric Academic Societies Meeting, San Francisco, May 2004.
94. Wyckoff MH, Garcia D, Perlman JM, Laptook AR: Randomized trial of volume infusion (VI) during resuscitation of asphyxiated neonatal piglets. Presented at the Pediatric Academic Societies Meeting, San Francisco, May 2004.
95. Walsh M, Yao Q, Laptook A and the NICHD Neonatal Research Network (NRN): Is intensity of care of neonates in first 24 hrs related to severity of illness? Presented at the Pediatric Academic Societies Meeting, San Francisco, May 2004.
96. Benjamin DK Jr, Stoll BJ, Fanaroff AA, McDonald SA, Oh W, Higgins RD, Duara S, Poole K, Laptook A, Goldberg R and the NICHD Neonatal Research Network (NRN): Neonatal candidiasis among infants < 1000g birthweight: risk factors, mortality, and neuro-developmental outcomes at 18-22 months. Presented at the Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), Washington, DC, October 2004.

97. Luptook A, Salhab W, Bhaskar B and NICHD Neonatal Research Network (NRN): Admission temperatures of LBW (low birth weight) infants: Predictors and associated morbidities. Poster Symposium presented at the Pediatric Academic Societies Meeting, Washington DC, May 2005.
98. Fanaroff AA, Higgins RD, Stoll BJ, Duara S, Goldberg RN, Hale E, Luptook AR, Newman N, Oh W, Poole WK, Saha S, Walsh MC and NICHD Neonatal Research Network (NRN): Survival at the border of viability: Influence of antenatal corticosteroids (ANS) and mode of delivery. Platform presented at the Pediatric Academic Societies Meeting, Washington DC, May 2005.
99. Shankaran S, Luptook A, Ehrenkranz R, Tyson J, McDonald S, Donovan E, Fanaroff A, Poole K, Wright L, Higgins R, Goldberg R and the NICHD Neonatal Research Network (NRN): Reduction in death or moderate/severe disability by whole body hypothermia for hypoxic-ischemic encephalopathy (HIE). Platform presentation presented at the Pediatric Academic Societies Meeting, Washington DC, May 2005.
100. Benjamin, DK Jr, Stoll BJ, Fanaroff AA, McDonald S, Oh W, Higgins RD, Duara S, Poole K, Luptook A, Goldberg R and the NICHD Neonatal Research Network (NRN): Neonatal candidiasis among extremely low birth weight infants: Risk factors, mortality, and neuro-developmental outcomes at 18-22 months. Platform presentation presented at the Pediatric Academic Societies Meeting, Washington DC, May 2005.
101. Stoll BJ, Hansen N, Higgins R, Fanaroff A, Duara S, Goldberg R, Luptook A, Walsh M, Oh W, Hale E and the NICHD Neonatal Research Network (NRN): Very low birth weight preterm infants with early onset neonatal sepsis: The risk of gram-negative infections is real. Platform presentation presented at the Pediatric Academic Societies Meeting, Washington DC, May 2005.
102. Walsh M, Luptook A, Buchter S, Engle WA, Rasmussen M, Kazzi SN, Yao Q, Heldt G, Rhine W, Higgins R and the NICHD Neonatal Research Network (NRN): Cluster randomized trial of benchmarking to improve survival free of bronchopulmonary dysplasia (BPD). Late-breaker platform presentation presented at the Pediatric Academic Societies Meeting, Washington DC, May 2005.
103. Jhung M, Luptook A. Ralstonia contamination of neonatal oxygen delivery device—United States, 2005. Submitted to the annual meeting of the Society for Healthcare Epidemiology of America (SHEA)
104. Salhab W and the NICHD Neonatal Research Network (NRN): Delivery room cardiopulmonary resuscitation and outcome in extremely low birth weight (ELBW) infants: A Cohort Analysis. Poster presentation presented at the Pediatric Academic Societies Meeting, San Francisco, CA, May 2006.
105. Luptook A and the NICHD Neonatal Research Network (NRN): Adverse outcome increases with elevated temperature for infants provided usual care following hypoxia-ischemic encephalopathy (HIE). Platform presentation presented at the Pediatric Academic Societies Meeting, San Francisco, CA, May 2006.

106. Wyckoff MH and the NICHD Neonatal Research Network (NRN): Improved temperature profile using a ThermoTek (TT) cooling system for induction of hypothermia compared to the Cincinatti sub-zero. PAS Abstracts2View™ of the Pediatric Academic Societies Meeting, San Francisco, CA, May 2006.
107. Buchter S, Wrage L, Stoll B, Laptook A, Kazzi N, Engle W, Rasmussen M, Heldt G, Rhine W, Yao Q, Higgins R and Walsh M for the NICHD Neonatal Research Network (NRN): The composition of the neonatal team at deliveries of <1250 gram babies: Who makes the most difference? Poster presentation presented at the Pediatric Academic Societies Meeting, San Francisco, CA, May 2006.
108. Wilson-Costello D, Walsh M, Guillet R, Langer J for the NICHD Neonatal Research Network (NRN). Impact of postnatal Corticosteroid (PNS) Doses and Timing in Extremely Low Birth Weight Infants (ELBW) on Neurodevelopment at 18-22 Months. Poster presentation presented at the Pediatric Academic Societies Meeting, San Francisco, CA, May 2006.
109. McGowan E, Kostadinov S, McLean K, Laptook A, Sharma S: Elevated IL-6 expression in the placental microenvironment of the extremely low birth weight infant: Is there an association with bronchopulmonary dysplasia. Poster presentation presented at the Pediatric Academic Societies Meeting, Toronto, Canada, May 2007.
110. Oh W and the NICHD Neonatal Research Network: Urinary lactate to creatinine ratio in full term infants with hypoxic ischemic encephalopathy: Predictor of neuro-developmental outcome following whole body cooling. Poster presentation presented at the Pediatric Academic Societies Meeting, Toronto, Canada, May 2007.
111. Pappas A, Shankaran S on behalf of the Hypothermia Sub-Committee of the NICHD Neonatal Research Network: Early hypocarbia following hypoxic-ischemic encephalopathy is associated with an increased risk of poor outcome. Poster presentation presented for the Pediatric Academic Societies Meeting, Toronto, Canada, May 2007.
112. Shankaran S and the NICHD Neonatal Research Network: Cumulative index of exposure to hypocarbia and hyperoxia as risk factors for poor neurodevelopmental outcome in low birth weight infants. Platform presentation presented for the Pediatric Academic Societies Meeting, Toronto, Canada, May 2007.
113. Shankaran S, Pappas A, Laptook A, McDonald, Ehrenkranz R, Tyson J, Walsh M, Goldberg R, Higgins R, Das A for the NICHD Neonatal Research Network: Secondary safety outcomes in a multicenter randomized controlled trial of whole body hypothermia for neonatal hypoxic ischemic encephalopathy. Platform presentation presented at the Pediatric Academic Societies Meeting, Toronto, Canada, May 2007.
114. Phelps D, Ward R and the NICHD Neonatal Research Network: Inositol blood levels in preterm and term neonates. Poster presentation presented at the Pediatric Academic Societies Meeting, Toronto, Canada, May 2007.

115. Lester B, Sullivan M, Bigsby R, Laptook A, Padbury J, Van Middlesworth V: Design and evaluation of a single room NICU. Presented for The 21 Annual Gravens Conference for the Physical and Developmental Environment of the High Risk Infant Meeting, Clearwater Beach, FL, January 30-February 2, 2008
116. Laptook A on behalf of the Hypothermia Sub-Committee of the NICHD Neonatal Research Network: Apgar Scores at 10 Minutes and Outcome in Term Infants with Hypoxic-Ischemic Encephalopathy (HIE). Poster presentation presented for the Pediatric Academic Societies and Asian Society for Pediatric Research, Honolulu, Hawaii, May 2008.
117. Bell EF, Hansen NI, Morris FH and the NICHD Neonatal Research Network: Impact of timing of birth and resident work-hour restrictions on neonatal mortality in very-low-birth-weight infants. Poster presentation presented for the Pediatric Academic Societies and Asian Society for Pediatric Research, Honolulu, Hawaii, May 2008.
118. Sommers R, Laptook R: Amplitude integrated electroencephalogram (aEEG) findings in infants with BPD. Poster presentation presented for the Pediatric Academic Societies, Baltimore, MD, May 2009.
119. Shankaran S, Laptook A, Higgins R, Tyson J, Ehrenkranz R, Sant'Anna G, McDonald S, and NICHD Neonatal Research Network. Temperature profile of neonates undergoing whole body hypothermia for HIE. Poster presentation presented for the Pediatric Academic Societies, Baltimore, MD, May 2009.
120. Sant'Anna G, Laptook A, McDonald S, Shankaran S on behalf of the Hypothermia Sub-committee-NICHD, Neonatal Research Network. The effects of barbiturates on temperature profile of HIE infants undergoing whole body hypothermia. Poster presentation presented for the Pediatric Academic Societies, Baltimore, MD, May 2009.
121. Wadhawan R, Oh W, Wrage L, Das A, Bell E, Laptook A, Shankaran S, Stoll B, Walsh W, Higgins R. Triplet or Higher Order Extremely Low Birthweight (ELBW) Is Associated with an Increased Risk of Death or Neuro-Developmental Impairment at 18-22 Months Corrected Age as Compared to ELBW Twins and Singletons. Poster presentation presented to the Pediatric Academic Societies in Baltimore, MD, May 2009.
122. Wadhawan R, Oh W, Saha S, Das A, Bell E, Laptook A, Shankaran S, Stoll B, Walsh M, Higgins R. Antecedents and Outcomes of Spontaneous Intestinal Perforation in Extremely Low Birth Weight Infants. Poster presentation presented to the Pediatric Academic Societies in Baltimore, MD, May 2009.
123. Shankaran S, Laptook A, Tyson J, Ehrenkranz R, Bann C, Das A, Higgins R and NICHD Neonatal Research Network. Evolution of encephalopathy with whole body hypothermia for neonatal hypoxic-ischemic encephalopathy. Poster Symposium presentation presented for the Pediatric Academic Societies, Baltimore, MD, May 2009.
124. Shankaran S, Pappas S, McDonald S, and NICHD Neonatal Research Network. Neonatal hypoxic-ischemic encephalopathy (HIE): Use of stage of encephalopathy and amplitude integrated EEG (aEEG) in predicting adverse outcome. Poster presentation presented to the Pediatric Academic Societies in Baltimore, MD, May 2009.

125. Cole C, Hansen NI, Higgins RD, Bell E, Laptook A, Shankaran S, Stoll BJ for the NICHD Neonatal Research Network. Infections in very low birth weight (VLBW) infants with surgical short bowel syndrome. Poster presentation presented to the Pediatric Academic Societies in Baltimore, MD, May 2009.
126. Sommers R, Harini C, Laptook A. Can characteristics of the amplitude integrated EEG help determine the length of hospitalizations for late preterm infants? Oral presentation presented to the International Conference on Brain Monitoring and Neuro-protection in Florida, January 2010.
127. Phelps D, Ward R, Kern S, on behalf of the Inositol Subcommittee of the Neonatal Research Network and Pediatric Pharmacology Research Units. Pharmacokinetics and safety of a single dose of inositol in preterm infants. Poster presentation presented to the Pediatric Academic Societies in Vancouver B.C., Canada, May 2010.
128. DeSimone O, Sommers R, Destin K, Mance M, Matook S, Stonestreet B, Laptook A. Nasal Intermittent Positive Pressure Ventilation (NIPPV) Does not facilitate earlier extubation in infants less than 28 weeks gestation: A pilot study. Poster presentation presented to the Pediatric Academic Societies in Vancouver B.C., Canada, May 2010.
129. Sommers R, Chellamani H, Laptook A. Can characteristics of the amplitude integrated EEG help determine the length of hospitalizations for late preterm infants? Poster presentation presented to the Pediatric Academic Societies in Vancouver B.C., Canada, May 2010.
130. Sommers R, Chellamani H, Laptook A. Determinants of length of hospitalization among “extreme late-preterm” infants with a gestational age of 34 weeks. Poster presentation presented to the Pediatric Academic Societies in Vancouver B.C., Canada, May, 2010.
131. Sommers R, Tucker R, Vohr B, Laptook A. Does amplitude integrated EEG (aEEG) at 36 weeks post-menstrual age correlate with Bayley scores among infants with and without BPD? Platform presentation presented to the Pediatric Academic Societies in Vancouver B.C., Canada, May, 2010.
132. Shankaran S, Barnes P, Hintz S, Laptook A, Higgins R, McDonald S, Zerterka-Baxter K, Das A for the NICHD Neonatal Research Network. Magnetic resonance imaging in term infants with hypoxic ischemic encephalopathy in NICHD trial of therapeutic hypothermia. Late Breaker Abstract submitted to the Pediatric Academic Societies in Vancouver B.C., Canada, May, 2010.
133. Hintz SR, Bulas D, Slovis TL, Cheng H, Finer N, Das A, Higgins RD and the SUPPORT Subcommittee and NICHD Neonatal Research Network. Early and late cranial ultrasound findings in the SUPPORT neuroimaging and neurodevelopmental outcomes cohort. Late Breaker Abstract submitted to the Pediatric Academic Societies in Vancouver B.C., Canada, May, 2010.
134. Boghossian NS, Page GP, Bell EF, Stoll BJ, Murray JC, Shankaran S, Walsh MC, Laptook AR, Das A, Higgins RD for the NICHD Neonatal Research Network. Familial and genetic susceptibility to sepsis in very low birth weight twins. Poster presentation presented to the Pediatric Academic Societies in Vancouver B.C., Canada, May, 2010.

135. Boghossian NS, Hansen NI, Bell EF, Stoll BJ, Murray JC, Laptook AR, Shankaran S, Walsh MC, Das A, Higgins RD for the NICHD Neonatal Research Network. Survival and morbidity outcomes of very low birth weight infants with Down Syndrome. Poster presentation presented to the Pediatric Academic Societies in Vancouver B.C., Canada, May, 2010.
136. Ambalavanan N, Carlo WA, Walsh M, Laughon M, Cotton MC, Laptook A, Shankaran S, Wrage LA, Das A, Higgins RD and the SUPPORT Study Group for the NICHD Neonatal Research Network. Effects of PaCO<sub>2</sub> on outcomes in the Surfactant, Positive Pressure, and Oxygenation Randomized Trial (SUPPORT). Abstract submitted to the Pediatric Academic Societies, 2010.
137. Boghossian NS, Hansen NI, for the NICHD Neonatal Research Network. Mortality and morbidity of very low birth weight infants with Trisomy 18 and Trisomy 13. Poster presentation presented to the Pediatric Academic Societies in Denver, CO May, 2011.
138. Natarajan G, Pappas A, Shankaran S, Laptook AR, Walsh M, McDonald SA, Ehrenkranz RA, Tyson JE, Goldberg R, Bara R, Higgins RD, Das A, Munoz B for the NICHD Neonatal Research Network. Effect of inborn versus outborn delivery on outcomes in hypoxic-ischemic encephalopathy: Secondary analyses of the NICHD whole body cooling randomized controlled trial. Poster presentation presented to the Pediatric Academic Societies in Denver, CO May, 2011.
139. Wadhawan R, Oh W, Hintz SR, Blakeley ML, Bell EF, Das A, Laptook AR, Saha S, Shankaran S, Stoll BJ, Higgins RD for the Eunice Kennedy Shriver NICHD Neonatal Research Network. Neurodevelopmental outcomes at 18-22 months of ELBW infants with spontaneous intestinal perforation and surgical necrotizing enterocolitis. Poster presentation presented to the Pediatric Academic Societies in Denver, CO, May, 2011.
140. Shankaran S, Barnes P, Hintz S, Laptook A, Higgins R, McDonald S, Zerterka-Baxter K, Das A for the NICHD Neonatal Research Network. Magnetic resonance imaging in term infants with hypoxic ischemic encephalopathy in NICHD Trial of therapeutic hypothermia. Poster symposium presented to the Pediatric Academic Societies in Denver, CO, May, 2011.
141. Pappas A, Shankaran S, Stoll BJ, Kendrick DE, Bell EF, Laptook AR, Walsh MC, Das A, Higgins RD, Bara R, Hale EC, Newman NS for the Generic Data Base and Follow-up Subcommittees of the NICHD Neonatal Research Network. Histological chorioamnionitis and early childhood outcomes among preterm infants <27 weeks. Poster presentation presented to the Pediatric Academic Societies in Denver, CO, May, 2011.
142. Pappas A, Shankaran S, Hansen N, Bell EF, Stoll BJ, Laptook AR, Walsh MC, Das A, Higgins R, Bara R, Hale E, Newman N, Boghossian NS, Murray JC, Cotton CM, Adams-Chapman I. Survival and morbidity outcomes of extremely low birth weight infants with congenital heart defects. Abstract submitted to the Pediatric Academic Societies, 2010.
143. DeJesus L, Pappas A, Shankaran S, Li L, Bell EF, Stoll BJ, Laptook AR, Walsh MC, Das A, Higgins RD, Hale EC, Newman N for the NICHD Neonatal Research Network. Neonatal outcomes of small for gestational age infants <27 weeks gestation in the NICHD Neonatal Research Network. Poster presentation presented to the Pediatric Academic Societies in Denver, CO, May, 2011.

144. Davis AS, Van Meurs KP, Hintz SR, Ball MB, Gantz M, Chalak L, Goldstein RF, Hale E, Kennedy KA, Laptook AR, Shankaran S, Tyson JE, Higgins RD for the NICHD Neonatal Research Network. Safety and feasibility of aEEG monitoring in extremely preterm infants. Abstract submitted to the Pediatric Academic Societies, 2010.
145. Goldstein RF, Shankaran S, McDonald S, Cotton CM, Higgins R for the NICHD Neonatal Research Network Hypothermia Subcommittee. Apolipoprotein E genotype and outcome in infants with hypoxic ischemic encephalopathy. Platform presentation presented to the Pediatric Academic Societies in Denver, CO, May, 2011.
146. Sommers R, Stonestreet BS, Laptook A, Yanowitz T, Oh W, Raker C, Mercer J. Hemodynamic effects of delayed umbilical cord clamping in premature infants. Platform presentation presented to the Pediatric Academic Societies in Denver, CO, May, 2011.
147. Sommers R, Vohr B, Stephens B, Tucker R, Laptook A. Does the amplitude integrated EEG at 36 weeks Post-menstrual age correlate with Bayley scores at 18 months corrected age? Poster presentation presented to the Pediatric Academic Societies in Denver, CO, May, 2011.
148. Laptook A, McDonald S, Shankaran S, Stephens B, Vohr B, Guillet R, Higgins R for the Extended Hypothermia Follow-up Committee of the NICHD Neonatal Research Network. Outcome at 6-7 years of infants with elevated temperatures following hypoxia-ischemia. Platform Presentation presented to the Pediatric Academic Societies in Boston, MA, May 2012.
149. Vaucher Y, Gantz MG, Finer NN, Higgins RD for the SUPPORT Subcommittee of the NICHD Neonatal Research Network. Neurodevelopmental outcomes of extremely premature infants enrolled in the SUPPORT Trial: Early CPAP Versus Intubation with Surfactant administration. Platform Presentation presented to the Pediatric Academic Societies in Boston, MA, May 2012.
150. Peralta-Carcelen M, Gantz M, Carlo WA, Higgins RD for the SUPPORT Subcommittee of the Neonatal Research Network. Neurodevelopmental outcomes of extremely premature infants in the Trial of different oxygen saturation targ. Platform Presentation presented to the Pediatric Academic Societies in Boston, MA, May 2012.
151. Kennedy KA, Wrage LA, Phelps D, Higgins R for the SUPPORT Subcommittee of the Neonatal Research Network. Evaluating Retinopathy of Prematurity Screening Guidelines for 24-27 week gestational age infants. Poster Presentation presented to the Pediatric Academic Societies in Boston, MA, May 2012.
152. Wynn J, Hansen NI, Cotton CM, Goldberg RN, Benjamin DK, Stoll BJ for the NICHD Neonatal Research Network. Risk of subsequent infection in VLBW neonates after early sepsis. Platform Presentation presented to the Pediatric Academic Societies in Boston, MA, May 2012.
153. Natarajan G, Shankaran S, Laptook A., Pappas A, Bann C for the Extended Hypothermia Subcommittee of the NICHD Neonatal Research Network. Association between Apgar Scores (AS) and school-age outcomes following Hypoxic-Ischemic Encephalopathy (HIE). Poster Presentation presented to the Pediatric Academic Societies in Boston, MA, May 2012.



154. Hoffman L, Garrin M, Laptook A. The relationship between esophageal and axilla temperatures in NICU patients. Poster presented to the Pediatric Academic Societies in Boston, MA, May 2012.
155. Vohr B, Stephens B, McDonald S, Ehrenkranz R, Laptook A, Das A, Higgins R, Shankaran S and on behalf of the Hypothermia Follow-up Committee of the NICHD Neonatal Research Network. The association between disability and growth at 6-7 years in the NICHD trial of whole body hypothermia for HIE. Poster presented to the Pediatric Academic Societies in Boston, MA, May 2012.
156. Kelleher J, Salas AA, Bhat R, Ambalavanan N, Shampa S, Higgins RD, Carlo WA and the Generic Database Subcommittee on behalf of the NICHD Neonatal Research Network. Concurrent administration of enteral nutrition and prophylactic indomethacin is not associated with spontaneous intestinal perforation in extremely low birth weight infants. Poster presented to the Pediatric Academic Societies in Boston, MA, May 2012.
157. Murphy T, Mirza H, Daigle K, Keszler M, Laptook A, Ziegler J, Padbury J, Stonestreet B. Multidisciplinary approach to inpatient management and transition home for infants with severe bronchopulmonary dysplasia. Poster presented at the New England Quality and Safety Forum, Health Baby Symposium, Marlborough, MA, September 2012.
158. Mirza H, Tucker R, Vohr B, Laptook A, Oh W, Stonestreet BS. Indomethacin prophylaxis for intra ventricular hemorrhage in very low birth weight infants: Effects of timing of administration. Poster presented to the AAP National Conference and Exhibition, New Orleans, LA, Oct. 2012.
159. Laptook A, Kilbride H, Shepherd E, McDonald S, Shankaran S, Truog W, Das A, Higgins R and the Optimizing Cooling Sub-Committee on behalf of the NICHD Neonatal Research Network. Temperature control during therapeutic hypothermia using different Blanketrol devices. Abstract submitted for the Pediatric Academic Societies in Washington, DC, May 2013.
160. Mirza H, Oh W, Vohr BR, Laptook A, Stonestreet BS and the GDB Subcommittee on behalf of the NICHD Neonatal Research Network. Indomethacin prophylaxis for intraventricular hemorrhage in extremely low birth weight infants: Effects of time of administration. Poster presented for the Pediatric Academic Societies in Washington, DC, May 2013.
161. DeJesus L, Sood BG, Shankaran S, Das A, Bell EF, Stoll BJ, Laptook AR, Walsh MC, Hale EC, Newman N, Bara R, Higgins RD for the NICHD Neonatal Research Network. Acute cardiorespiratory effects of antenatal magnesium sulfate in preterm infants <29 weeks gestation. Platform presented for the Pediatric Academic Societies in Washington, DC, May 2013.
162. LeVan J, Wyckoff M, Sanchez PJ, Heyne RJ, Ahn C, Jaleel M, Brion LP, Finer NN, Carlo WA, Walsh MC, Rich W, Gantz MG, Laptook AR, Yoder BA, Faix RG, Das A, Poole WK, Ambalavanan N, Schibler K, Donovan E, Newman N, Frantz III ID, Buchter S, Morris BH, Laroia N, Poindexter BB, Cotton CM, VanMeurs KP, Sood BG, Duara S, O'Shea TM, Bell EF, Bhadari V, Watterberg KL, Stoll BJ, Higgins RD on behalf of the NICHD Neonatal Research Network. Changes in therapy and outcomes associated with the SUPPORT Trial. Poster presented for the Pediatric Academic Societies in Washington, DC, May 2013.

163. Mirza H, Ziegler J, Ford S, Tucker R, Padbury J, Laptook A. Pulmonary hypertension in preterm infants: Prevalence and associations with BPD. Poster presented for the Pediatric Academic Societies in Washington, DC, May 2013.
164. Mirza H, Ziegler J, Ford S, Tucker R, Padbury J, Laptook A. Natural history of pulmonary artery pressure: Changes in preterm infants. Poster presented for the Pediatric Academic Societies in Washington, DC, May 2013.
165. Shankaran S, Laptook AR, McDonald SA, Hintz SR, Barnes P, Das A, Higgins RD and the Whole-body Hypothermia on behalf of the NICHD Neonatal Research Network.. Sentinel events and MRI patterns of injury. Platform presented for the Pediatric Academic Societies in Washington, DC, May 2013.
166. Sarkar S, Barks J, Shankaran S, Laptook AR, Sood BG, Barks J, Do B, Das A, Higgins RD and the GDB subcommittee on behalf of the NICHD Neonatal Research Network. Routine screening cranial ultrasonography examination guidelines for extremely low birth weight preterm infants: Is there a need for revision? Abstract submitted for the Pediatric Academic Societies in Washington, DC, May 2013.
167. Chalak LF, Zhang R, Sanchez P, Laptook AR. Cerebrovascular dysfunction in newborns with hypoxic ischemic encephalopathy: Can “non-responders” be identified during therapeutic hypothermia? Poster presented for the Pediatric Academic Societies in Washington, DC, May 2013.
168. Shankaran S, McDonald S, Laptook A, Hintz S, Barnes P, Das A, Higgins R for the NICHD Neonatal Research Network. Neonatal MRI brain injury patterns and childhood outcome following a trial of hypothermia for hypoxic-ischemic encephalopathy. Late Breaker Abstract submitted for the Pediatric Academic Societies in Washington, DC, May 2013.
169. Padbury J, Hawes K, Sullivan M, Laptook A, Lester, B. Single family room NICU improves infant outcome. Late Breaker Platform presented for the Pediatric Academic Societies in Washington, DC, May 2013.
170. Murphy T, Bender GJ, Laptook A. Teamwork and communication training improves staff perceptions of culture of safety in the NICU. New England Conference on Perinatal Research, Chatham, MA, October 2013 (Voted Best Presentation in Clinical Science).
171. Shankaran S, McDonald S, Laptook AR, Hintz SR, Barnes P, Das A, Pappas A, Higgins R. Neonatal MRI brain injury patterns and childhood outcome following a trial of hypothermia for hypoxic-ischemic encephalopathy (HIE). Abstract submitted for the Pediatric Academic Societies in Vancouver B.C., Canada, May 2014.
172. Walsh M, Laptook A, Stoll B, Shankaran S, Kandefer S, Cook N. The Spectrum of Mortality and Morbidity in Moderate Preterm infants (MPT). Abstract submitted for the Pediatric Academic Societies in Vancouver B.C., Canada, May 2014.

173. Pappas A, Adams-Chapman I, Shankaran S, McDonald S, Stoll B, Laptook A, Carlo W, VanMeurs K, Hintz S, Carlson M, Brumbaugh J, Walsh M, Das A, Higgins R. Outcomes of extremely premature infants with non-hemorrhagic ventriculomegaly. Platform presented for the Pediatric Academic Societies in Vancouver B.C., Canada, May 2014.
174. Shankaran S, Laptook A, Papas A, McDonald S, Das A, Tyson J, Schibler K, Poindexter B, Bell E, Heyne R, Pedroza C, Bara R, VanMeurs K, Grisby C, Huitema C, Devaskar U, Higgins RD. Randomized controlled trial of optimizing cooling strategies for neonatal hypoxic-ischemic encephalopathy. Late Breaker Abstract Platform presented for the Pediatric Academic Societies in Vancouver B.C., Canada, May 2014.
175. Greenberg RG, Kandefor S, Smith PB, Wilson-Costello D, Stoll BJ, Cotton CM and the GDB Subcommittee for the NICHD Neonatal Research Network. Late-onset sepsis in extremely premature infants: Trends over time. Poster presented for the Pediatric Academic Societies in Vancouver B.C., Canada, May 2014.
176. Piskorski AM, Shapiro S, Laptook A, Gundogan F. A pediatric autopsy case of necrotizing enterocolitis with systemic gas embolism. Poster presented at the College of American Pathologist 2014 Annual Meeting in Chicago, IL, September 2014
177. Laptook A, Bell E, Shankaran S, Boghossian N, Wyckoff M, Kandefor S, Walsh M, Das A, Higgins R and the Moderate Preterm Subcommittee of the NICHD Neonatal Research Network. Admission temperature among moderate and extremely preterm infants. Abstract submitted for the Pediatric Academic Societies in San Diego, CA, April 2015
178. Shankaran S, Pappas A, Bajaj M, Natarajan G, Davis AS, Hintz SR, Adams-Chapman I, Saha S, Das A, Bell EF, Stoll BJ, Walsh MC, Laptook AR, Carlo WA, Van Meurs KP, Sanchez P, Ball MB, Hale EC, Seabrook R, Higgins RD for the NICHD Neonatal Research Network. Postthermorrhagic ventricular dilation (PHVD) among <27wk infants. Poster presented at the Pediatric Academic Societies in San Diego, CA, April 2015
179. Natarajan G, Shankaran S, Saha S, Laptook A, Walsh M, Das A, Higgins R for the NICHD Neonatal Research Network. Abnormal Cranial Imaging in Moderately Preterm Infants in the NICU Poster presented at the Pediatric Academic Societies in San Diego, CA, April 2015
180. Murphy T, Bender GJ, Taub B, Laptook A. The Neonatal Preventable Harm Index: A Practical Tool for High Reliability Organizations. Poster Symposium presented at the Pediatric Academic Societies in San Diego, CA, April 2015
181. Sarkar S, Shankaran S, Barks B, Do B, Laptook A, Das A, Ambalavanan N. Van Meurs K, Bell E, Sanchez P, Hintz S, Carlo W, Stoll B, Higgins R for the NICHD Neonatal Research Network. Outcome of preterm infants with disappearance of cystic periventricular leukomalacia (cPVL) on serial cranial imaging. Poster presented at the Pediatric Academic Societies in Baltimore, MD, May 2016
182. Natarajan G, Shankaran S, McDonald S, Pappas A, Hintz S, Laptook A, Das A, Higgins RD for the NICHD Neonatal Research Network (NRN) Whole Body Hypothermia Subcommittee. Sedation-Analgesia (SA) in Neonatal Hypoxic-ischemic Encephalopathy (HIE) and 18-month outcome. Poster presented at the Pediatric Academic Societies in Baltimore, MD, May 2016

183. Bajaj M, Natarajan G, Shankaran S, Wyckoff M, Laptook A, Bell E, Stoll B, Carlo W, Vohr B, Saha S, Van Meurs K, Sanchez P, D'Angio C, Higgins R, Das A, Walsh M for the NICHD Neonatal Research Network. Delivery Room (DR) Resuscitation in Moderately Preterm (MPT) Infants. Abstract presented at the Pediatric Academic Societies in Baltimore, MD, May 2016
184. Shankaran S, Laptook A, Pappas A, McDonald S, Das A, Tyson J, Schibler K, Poindexter B, Bell E, Heyne R, Pedroza C, Van Meurs K, Grisby C, Huitema C, Devaskar U, Bara R, Higgins R for the NICHD Neonatal Research Network. Randomized Controlled Trial (RCT) of Optimizing Cooling Strategies for Neonatal Hypoxic-Ischemic Encephalopathy. Platform presentation presented for at the Pediatric Academic Societies in Baltimore, MD, May 2016
185. Garfinkle J, Chalak LF, Prempunpong C, Rollins N, Sudhin T, Thayyil S, Sanchez P, Shankaran S, Laptook A, Sant'Anna G. Prospective Research in Infants with Mild Encephalopathy – The PRIME Study. Poster presented at the Pediatric Academic Societies in Baltimore, MD, May 2016
186. Rand K, Bingham A, Laptook A, Gundogan F. Placental abnormalities in uncomplicated term pregnancies. Platform presentation presented, Society for Pediatric Pathology in San Antonio, TX, March 3-5, 2017
187. Lakshminrusimha S, Shankaran S, Chawla S, Sood BG, Guillet R, Keszler M, Bonifacio S, Van Meurs KP and Laptook AR on behalf of the NICHD Neonatal Research Network. Pulmonary hypertension during whole-body hypothermia: Antecedent characteristics and co-morbidities. Platform presented at the Eastern Society for Pediatric Research, Philadelphia, PA, March 2017
188. Laptook A, Shankaran S, Tyson JE, Bell EF, Ambalavanan N, Parikh NA, Goldberg RN, Ehrenkranz RA, Pedroza C, Pappas A, Hensman AM, Osborne KA, Chaudhary AS, Das A, Munoz B, Higgins, RD on behalf of the NICHD Neonatal Research Network. The Late Hypothermia Trial for Neonatal Hypoxic-Ischemic Encephalopathy (HIE). Platform presentation presented at the Pediatric Academic Societies in San Francisco, CA, May 2017
189. McGowan EC, Laptook AR, Lowe JR, Peralta-Carlcelen M, Chowdhury D, Vohr B, Higgins R, for the Eunice Kennedy Shriver NICHD Neonatal Research Network. Developmental outcomes of extremely preterm infants under state supervision at hospital discharge. Abstract submitted at the Pediatric Academic Societies in San Francisco, CA, May 2017
190. Lakshminrusimha S, Shankaran S, Chawla S, Sood BG, Guillet R, Keszler M, Bonifacio S, Van Meurs KP and Laptook AR on behalf of the NICHD Neonatal Research Network. Pulmonary hypertension during whole-body hypothermia: Antecedent characteristics and co-morbidities. Poster presented at the Pediatric Academic Societies in San Francisco, CA, May 2017
191. Chawla S, Natarajan G, Shankaran S, Walsh MC, Bell EF, Laptook AR, Das A and members of the MPR Subcommittee of the NICHD Neonatal Research Network. Outcome of moderate preterm infants with differential exposure to antenatal steroids. Platform presentation presented at the Pediatric Academic Societies in San Francisco, CA, May 2017

192. Latremouille S, Shah BA, Chawla S, Laptook A, Guilherme S. Late preterm infants: Early measurements of heart rate variability correlate with time to wean to open cots and achieve full feeds. Poster presented at the Pediatric Academic Societies in San Francisco, CA, May 2017
193. Bingham A, Rand K, Gundogan F, Laptook A. Placental findings in newborns with Hypoxic Ischemic Encephalopathy compared to newborns admitted to a NICU. Poster presented at the Pediatric Academic Societies in San Francisco, CA, May 2017
194. Laptook AR, Shankaran S, Barnes PD, Rollins N, Munoz B, Parikh NA, Hamrick SE, Hintz SR, Tyson J, Bell E, Ambalavanan N, Goldberg R, Pappas A, Huitema C, Das A, Higgins RD. MRI as a biomarker of death or disability following HIE in the late hypothermia trial. Poster presented for the Pediatric Academic Societies in Toronto Canada, May 2018
195. McKinley LT, Przystac L, Tucker R, Trail-Burns E, Vohr BR, Bliss JM, Laptook AR. The effect of nutrition care bundle on growth of extremely preterm infants to 36 weeks post menstrual age. Poster presented submitted for the Pediatric Academic Societies in Toronto Canada, May 2018
196. Shankaran S, Bell EF, Laptook AR, Saha S, Newman N, Kazzi NJ, Barks J, Stoll BJ, Bara R, Gabrio J, Childs K, Das A and Higgins RD for the NICHD Neonatal Research Network. Weaning of moderately preterm infants from the incubator to the crib: A randomized clinical trial. Presentation presented for the Pediatric Academic Societies in Toronto Canada, May 2018
197. Chawla S, Natarajan G, Laptook AR, Shankaran S, Chowdbury D, Bell E, Ambalavanan N, Carlo W, Gantz M, Das A. Mortality and neonatal morbidities associated with early Indomethacin exposure among extremely preterm infants: Is there a difference by baseline risk category? Poster presented for the Pediatric Academic Societies in Toronto Canada, May 2018
198. Chawla S, Natarajan G, Laptook AR, Shankaran S, Chowdbury D, Bell E, Ambalavanan N, Carlo W, Gantz M, Das A. Prediction Model for Severe Intracranial Hemorrhage Among Extremely Preterm Infants. Poster presented for the Pediatric Academic Societies in Toronto Canada, May 2018
199. Chalak L, Laptook A. Neurodevelopmental outcomes at 18-22 months of the PRIME infants with mild hypoxic-ischemic encephalopathy: Is it really “mild”? Poster presented for the Pediatric Academic Societies in Toronto Canada, May 2018
200. Latremouille S, Shah B, Chawla S, Keszler, M, Tucker R, Laptook AR, Guilherme S. Late preterm infants: Early measures of heart rate variability and amplitude-integrated electroencephalography correlate with time to reach clinical milestones Platform Presentation presented for the Pediatric Academic Societies in Toronto Canada, May 2018
201. Gundogan F, Bingham A, Rand K, Therese Hemedez CA, Laptook A. Maternal Vascular Malperfusion Dilemma. Poster presented to the Society of Perinatal Pathology, October 2018
202. Laptook AR, Longo JL, Trail-Burns EJ, Arnautovic TI, Tucker R, Keszler M. Is Antenatal Betamethasone treatment associated with Spontaneous Intestinal Perforation among infants receiving post-natal Indocin? Poster presentation for the Pediatric Academic Societies in Baltimore, MD, April 2019

203. Laptook AR, Chalak LF, Pappas A, Davis A, Goldberg RN, Waldemar C, Sanchez PJ, Van Meurs KP, Sommers R, Shankaran S, Hensman AM, Fortney CA, Rouse DJ, Gyamfi-Bannerman C, Thom E, McDonald S, Das A, Higgins RD, Research Network, NICHD Neonatal. Amplitude Integrated EEG among Late Preterm Infants in the Antenatal Betamethasone for Women at Risk for Late Preterm Delivery Trial. Platform presentation presented for the Pediatric Academic Societies in Baltimore, MD, April 2019
204. Chawla S, Laptook AR, Smith E, Tan S, Natarajan G, Wyckoff M, Ambalavanan N, Bell EF, Van Meurs K, Stevenson DK, Werner EF, Greenberg RG, Das A, Shankaran S. Neonatal morbidities and mortality in relation to maternal overweight and obesity status among extremely preterm infants. Poster presented for the Pediatric Academic Societies in Baltimore, MD, April 2019
205. Ambalavanan N, Shankaran S, Laptook AR, Munoz B, Das A, Carlo W, Duncan AF, Higgins RD. Prognosis in infants diagnosed with hypoxic-ischemic encephalopathy. Platform presentation for the Pediatric Academic Societies in Baltimore, MD, April 2019
206. Agarwal P, Shankaran S, Laptook A, Chowdhury D, Lakshminrusimha S., Bonifacio SL, Natarajan G, Chawla S, Keszler M, Heyne R, Ambalavana N, Walsh M, Das A, Van Meurs K for the NICHD Neonatal Research Network. Association of Pulmonary Hypertension with Death or Disability among Infants with Hypoxic Ischemic Encephalopathy. Poster presentation for the Pediatric Academic Societies in Baltimore, MD, April 2019
207. Flibotte J, Laptook AR, Shankaran S, McDonald S, Baserga M, Bell EF, Cotton CM, Das A, DeMauro SB, DuPont T, Eichenwald E, Heyne R, Jensen E, Van Meurs KP, Dysart K, NICHD Neonatal Research Network. High Blanket Temperature During Therapeutic Hypothermia is Associated with Death or Disability for Infants with Hypoxic Ischemic Encephalopathy. Platform Presentation, Eastern Society for Pediatric Research in Philadelphia, PA, March 2020. Due to COVID-19 related conference cancellation, this peer-reviewed Platform Presentation was disseminated on 4/TBD/2020 to PAS 2020 Meeting Program Guide
208. Kole MB, Saha S, Werner E, Chawla S, Keszler M, McGowan EC, Wyckoff MH, Laptook AR. Maternal hypertensive disorders and survival without major morbidities among extremely low gestation newborns (ELGANs). Abstract, Pediatric Academic Societies in Philadelphia, PA, May 1-5, 2020. Due to COVID-19 related conference cancellation, this peer-reviewed Abstract was disseminated on 4/TBD/2020 to PAS 2020 Meeting Program Guide
209. Bingham A, Gundogan F, Rand K, Farrar J, Tucker R, Laptook AR. Placental Findings among Infants with Hypoxic-Ischemic Encephalopathy (HIE) Compared to Three Groups without HIE Abstract submitted for the Pediatric Academic Societies in Philadelphia, PA, May 1-5, 2020. Due to COVID-19 related conference cancellation, this peer-reviewed Abstract was disseminated on 4/TBD/2020 to PAS 2020 Meeting Program Guide

210. Flibotte J, Laptook AR, Shankaran S, McDonald S, Baserga M, Bell EF, Cotton CM, Das A, DeMauro SB, DuPont T, Eichenwald E, Heyne R, Jensen E, Van Meurs KP, Dysart K, NICHD Neonatal Research Network. High Blanket Temperature During Therapeutic Hypothermia is Associated with Death or Disability for Infants with Hypoxic Ischemic Encephalopathy. Abstract, Pediatric Academic Societies in Philadelphia, PA, May 1-5, 2020. Due to COVID-19 related conference cancellation, this peer-reviewed Abstract was disseminated on 4/TBD/2020 to PAS 2020 Meeting Program Guide.
211. Laptook AR, Weydig H, Brion LP, Wyckoff M, Arnautovic T, Younge N, Oh W, Chowdhury D, Keszler M, Das A, NICHD Neonatal Research Network. Spontaneous Intestinal Perforation (SIP): Are Antenatal Steroids and early Postnatal Indomethacin Associated? Abstract submitted at the Virtual Pediatric Academic Societies, May 2021.
212. Coyle MG, Laptook AR, Dansereau L, Bimali M, Thombre V, Kiefer AS, Wong Ramsey K, Lester B. Development of a Neonatal Opioid Withdrawal Syndrome (NOWS) Severity Index. Abstract submitted at the Virtual Pediatric Academic Societies, May 2021.
213. Sewell E, Shankaran S, McDonald S, Hamrick S, Wusthoff C, Adams-Chapman I, Chalak L, Davis AS, Van Meurs KP, Laptook A, Mangal Patel R. Association between discharge on anti-seizure medication and neurodevelopmental outcomes among neonates with hypoxic-ischemic encephalopathy. Abstract submitted at the Virtual Pediatric Academic Societies, May 2021.
214. Sewell E, Shankaran S, Natarajan G, Laptook A, McDonald SA, Hamrick S, Baack M, Rysavy M, Das A, Higgins RD, Patel RM. Evaluation of heterogeneity in effect of therapeutic hypothermia by sex among infants with hypoxic-ischemic encephalopathy. Abstract submitted at the Virtual Pediatric Academic Societies, May 2021.
215. Chawla S, Wychoff MH, Natarajan G, Laptook AR, Lakshminrusimha S, Shankaran S, Chowdhury D, Bell EF, Rysavy MA, Mangal Patel R, Van Meurs KP, Ambalayanan N, Greenberg RG, Younge NE, Werner EF, Das A, Carlo WA for the NICHD Neonatal Research Network. Do Antenatal Steroids Administered at  $\leq 22$  Weeks Gestational Age Improve Neonatal Outcomes? Abstract submitted at the Virtual Pediatric Academic Societies, May 2021.
216. Chawla S, Laptook AR, Smith EA, Tan S, Natarajan G, Wyckoff MH, Greenberg RG, Ambalayanan N, Bell EF, Van Meurs K, Hintz S, Vohr BR, Das A, Werner EF, Shankaran S for the NICHD Neonatal Research Network. Association of Maternal Pre-Pregnancy Body Mass Index with Neurodevelopmental Outcome in Extremely Low Gestational Age Neonates (ELGANs). Abstract submitted at the Virtual Pediatric Academic Societies, May 2021.
217. Shukla VV, Bann C, Ramani M, Ambalayanan N, Peralta M, Hintz S, Higgins R, Natarajan G, Laptook A, Shankaran S, Carlo WA for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Predictive Ability of Apgar Scores for 18 to 22 Month Outcomes after Therapeutic Hypothermia. Abstract submitted at the Virtual Pediatric Academic Societies, May 2021.
218. Kolitz D, Guerina N, Tucker R, Laptook AR. Use of a Thermal Mattress to Reduce Hypothermia After Birth Among Infants at 32 to 34 6/7 Weeks Gestation. Abstract submitted at the Virtual Pediatric Academic Societies, May 2021.

219. Chalak L, Pappas A, Laptook AR, Das A, Tan S, Shankaran S, Heyne R, Higgins R, NICHD NRN. Systematic Monitoring of aEEG in Asphyxiated Newborns during rewarming after Hypothermia Therapy (SMaRT). Abstract submitted at the Virtual Pediatric Academic Societies, May 2021.



## INVITED PRESENTATIONS

### INTERNATIONAL

1. Keynote Speaker, Therapeutic Hypothermia for Newborns with Hypoxic-Ischemic Encephalopathy: Experience and Future Directions Conference, Montreal Children's Hospital of McGill University Health Centre, Canada, "Should we Start to Cool Newborns with HIE During Transport?" May 27, 2011.
2. Invited Presenter, Therapeutic Hypothermia for Newborns with Hypoxic-Ischemic Encephalopathy: Experience and Future Directions Conference, Montreal Children's Hospital of McGill University Health Centre, Canada, "Research Future Directions in Therapeutic Hypothermia" May 27, 2011.
3. Invited Presenter, Montreal Children's Hospital of McGill University Health Centre, Canada "HIE patients: Does cooling change the incidence of PPHN" April 2-3, 2012.
4. Invited Presenter, Montreal Children's Hospital of McGill University Health Centre, Canada "What are the contra-indications to cool an asphyxiated infant?" April 2-3, 2012.
5. Lead Visiting Professor, multi-university experts from the United States and Canada, Perinatal Asphyxia : The Critical Role of Early Neurological Evaluation Symposia, "Perinatal Asphyxia: Evaluation for and Treatment with Therapeutic Hypothermia", Ramathibodi Hospital, Bangkok , organized by the International Medical Conference Promoting Center. February 11, 2016.
6. Lead Visiting Professor, multi-university experts from the United States and Canada, Perinatal Asphyxia : The Critical Role of Early Neurological Evaluation Symposia, "Seizures among Infants with Hypoxic-Ischemic Encephalopathy" Ramathibodi Hospital, Bangkok , organized by the International Medical Conference Promoting Center. February 12, 2016.
7. Lead Visiting Professor, multi-university experts from the United States and Canada, Perinatal Asphyxia : The Critical Role of Early Neurological Evaluation Symposia, "Workshop: Examination of the Encephalopathic Infant" Ramathibodi Hospital, Bangkok , organized by the International Medical Conference Promoting Center. February 12, 2016.
8. Lead Visiting Professor, multi-university experts from the United States and Canada, Perinatal Asphyxia : The Critical Role of Early Neurological Evaluation Symposia, "Perinatal Asphyxia: Evaluation for and Treatment with Therapeutic Hypothermia" Maharaj Nakorn Chiang Mai Hospital, Chiang Mai, organized by the International Medical Conference Promoting Center. February 14, 2016.
9. Lead Visiting Professor, multi-university experts from the United States and Canada, Perinatal Asphyxia : The Critical Role of Early Neurological Evaluation Symposia, "Seizures among Infants with Hypoxic-Ischemic Encephalopathy" Maharaj Nakorn Chiang Mai Hospital, Chiang Mai, organized by the International Medical Conference Promoting Center. February 15, 2016.

10. Lead Visiting Professor, multi-university experts from the United States and Canada, Perinatal Asphyxia : The Critical Role of Early Neurological Evaluation Symposia, “Workshop: Examination of the Encephalopathic Infant” Maharaj Nakorn Chiang Mai Hospital, Chiang Mai, organized by the International Medical Conference Promoting Center. February 15, 2016.
11. Invited Presenter, Pre-Conference, McGill Neonatal-Perinatal Conference, Montreal, Quebec, “Late Preterm Infants after Hospital Discharge: What Can we Tell Parents?” May 25, 2017.
12. Invited Presenter, McGill Neonatal-Perinatal Conference , Montreal, Quebec , “Late Hypothermia for Infants with Moderate or Severe Hypoxic-Ischemic Encephalopathy Trial” May 26, 2017.
13. Invited Presenter, Pre-Conference Workshop on Respiratory Care, Miami Neonatology 41<sup>st</sup> International Conference, Miami, FL, “HIE/Cooling” November 12, 2017
14. Invited Participant on Expert Panel Discussion, “HIE, Hypothermia”, Miami Neonatology 41<sup>st</sup> International Conference, Miami, FL, November 12, 2017
15. Invited Presenter, Miami Neonatology 41<sup>st</sup> International Conference, Miami, FL, “Therapeutic Hypothermia Beyond the Initial Trials: Cooling after 6 hours Longer/Deeper Cooling, Cooling in Preterm Infants?” November 12-15, 2017
16. Invited Presenter, Miami Neonatology 41<sup>st</sup> International Conference, Miami, FL, “Hypothermia in the Delivery Room-Should we be Concerned?” November 12-15, 2017

#### NATIONAL

1. Invited Presenter, Perinatal Brain Club Session, Pediatric Academic Societies’ San Francisco, CA, “Magnesium—Is There a Role in Perinatal Hypoxia-Ischemia?” May 1-4, 2004.
2. Invited Presenter, 8<sup>th</sup> Annual Midwest Neonatology Critical Care Symposium, Neonatal Frontiers: Emerging Concepts & Therapies, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, “Therapy for Newborn Encephalopathy: Hypothermia and Beyond” November 5-6, 2004.
3. Invited Presenter, 28<sup>th</sup> Annual Symposium—Advocate Christ Medical Center and Advocate Hope Children’s Hospital, Oak Lawn, IL, “Therapy for Newborn Encephalopathy: Hypothermia and Beyond” November 18, 2004.
4. Invited Presenter, University of Iowa, Cedar Rapids, IA, “Therapy for Newborn Encephalopathy: Hypothermia and Beyond” November 19, 2004.
5. Invited Presenter, NICHD and Office of Rare Diseases co-sponsored workshop, Asphyxia and Hypothermia: Opportunities and Challenges, Washington, DC, “Translation of lab work into clinical trial-systemic hypothermia ” May 18-19, 2005
6. Invited Presenter, NICHD and Office of Rare Diseases co-sponsored workshop, Asphyxia and Hypothermia: Opportunities and Challenges, Washington, DC, “Whole Body Cooling for Newborn Encephalopathy: From the Lab to the NICU” May 18-19, 2005.

7. Invited Presenter, NICHD Optimizing Care and Outcome of the Near-Term Pregnancy and the Near-term Newborn Infant, Bethesda, MD, “Delivery Room & Transitional Care Issues” July 18-19, 2005.
8. Invited Presenter, NeoPREP: An Intensive Review of Neonatal-Perinatal Medicine Conference, American Academy of Pediatrics, San Diego, CA, “Hypoxic-Ischemic Encephalopathy.” September 18-24, 2005
9. Invited Presenter, NICHD Neonatal Research Network GDB Training Session, Atlanta, GA “Outcome Data Collection for Neurological Disease of the Generic Data Base” November 14-15, 2005.
10. Platform Presentation, Pediatric Academic Societies’ session 5755—Neonatal Brain Injury: How Can We Do More Good Than Harm?, San Francisco, CA, “Adverse Outcome Increases With Elevated Temperature for Infants Provided Usual Care Following Hypoxia-Ischemic Encephalopathy (HIE)” May 2, 2006.
11. Invited Presenter, Children’s Hospital of Iowa “Hypothermia for Newborn Encephalopathy: Where are we in 2006” July 25, 2006.
12. Invited Professor, Children’s Hospital of Iowa, Initiation of the Support Trial to this new Neonatal Research Network site, July 26, 2006.
13. Invited Presenter, Oregon Health & Science University and Doernbecher Children’s Hospital, Portland, OR, “Brain Cooling for Newborn Encephalopathy” October 18, 2006.
14. Pediatric Grand Rounds, S. Gorham Babson, MD 9<sup>th</sup> Lecture, Oregon Health & Science University and Doernbecher Children’s Hospital, Portland, OR, “Hypoxic-Ischemic Encephalopathy: Is this a treatable disorder?” October 19, 2006.
15. Grand Rounds, All Children’s Hospital and University of South Florida, St. Petersburg, FL, “Hypoxic-Ischemic Encephalopathy: Is This a Treatable Disorder?” February 1-2, 2007.
16. Invited Presenter, Research Conference, All Children’s Hospital and University of South Florida, St. Petersburg, FL, “Brain Cooling for Newborn Encephalopathy” February 1-2, 2007.
17. Invited Professor, Children’s Hospital of Iowa, “Background information, inservice and education for whole body cooling for the treatment of hypoxic Ischemia” February 12, 2007.
18. Invited Presenter, Executive Committee of the Perinatal Section of the American Academy of Pediatrics, State-of-the-Art Symposium on Hypoxic-Ischemic Encephalopathy: From Theory to Reality and Back Again. San Francisco, CA, “Biology of Hypoxic Ischemic Encephalopathy” October 27-28, 2007.
19. Invited Presenter, NOGAN Clinical Consensus Seminars, Emory University School of Medicine, Atlanta, GA, “Brain Hypothermia Where are we in 2008?” April 29, 2008.

20. Grand Rounds, Emory University School of Medicine, Atlanta, GA, “Hypoxic-Ischemic Encephalopathy: Is this a Modifiable Condition?” April 30, 2008.
21. Invited Presenter, University of Utah, Salt Lake City, UT, “Late hypothermia for HIE” June 19, 2008.
22. Grand Rounds, Child Healthcare of Atlanta/Egleston Hospital, Atlanta, GA, “Hypoxic-ischemic encephalopathy: Is this a modifiable condition?” April 29-30, 2008.
23. Pediatric Grand Rounds, University of Minnesota Children’s Hospital, “Therapeutic Hypothermia for Newborn Encephalopathy” Detroit, MI September 16-17, 2008.
24. Invited Presenter, Hypothermia, from Threat to Cure, New York Academy of Sciences, “Hypothermia in Neonates” September 19, 2008.
25. Invited Presenter, New Concepts in Neonatal Intensive Care: A Collaborative Conference, Weill Cornell Medical College, NY, “Hypothermia as a therapeutic Intervention in Term infants at risk for neonatal encephalopathy: What are future goals and strategies?” October 24, 2008.
26. Invited Presenter, 16<sup>th</sup> Annual Issues in Neonatology, New York Regional Neonatal Perinatal Symposium, “Newborn encephalopathy: When do you need a cool head?” March 19, 2009.
27. Invited Presenter, 4<sup>th</sup> OB/GYN Symposium, Texas Tech University Health Sciences Center, El Paso, TX, “Newborn encephalopathy: When do you need a cool head?” April 24-25, 2009.
28. Invited Panel Discussant, 4<sup>th</sup> OB/GYN Symposium, Texas Tech University Health Sciences Center, El Paso, TX, “Ethics Panel” April 24-25, 2009.
29. Invited Presenter, Advocate Christ Medical Center, Chicago, IL, “Hypothermia therapy for HIE” June 2, 2009.
30. Invited Presenter, March of Dimes 10<sup>th</sup> Annual Conference for Health Professionals – Toward Improving the Outcome of Pregnancy: Best Practices in Maternal and Neonatal Care, Irving CA, “Cooling Strategies for the Neonate” March 1-2, 2010.
31. Invited Panel Discussant, March of Dimes 10<sup>th</sup> Annual Health Professional Education Conference: Toward Improving the Outcome of Pregnancy: Using Best Practices in Perinatal and Neonatal Care. March 1-2, 2010.
32. Invited Presenter, March of Dimes 10<sup>th</sup> Annual Conference for Health Professionals – Toward Improving the Outcome of Pregnancy: Best Practices in Maternal and Neonatal Care, Irving CA, “Therapeutic Hypothermia for Hypoxic-Ischemic Encephalopathy” March 1-2, 2010.
33. Invited Presenter, Perinatal Brain Club session, Pediatric Academic Societies’ Annual Meeting, Vancouver, Canada, “Elevated temperature in the delivery room: Should we turn off the warmer?” May 2, 2010.

34. Invited Presenter, The Eunice Kennedy Shriver National Institute of Child Health & Human Development Workshop on Hypoxic Ischemic Encephalopathy, Bethesda, MD, “Hypothermia for infants >6 hours” August 9-10, 2010.
35. Invited Presenter, NICHD Neonatal Research Network Steering Committee, Potomac, MD, “Do Antenatal Steroids Affect Maturation of the Amplitude Integrated EEG in Late Preterm Infants? Concept Proposal for the ALPS Trial” January 13-14, 2011.
36. Invited Presenter, University of California, Los Angeles, CA, “Whole Body Cooling-Hypothermia Treatment” June 16, 2011.
37. Invited Visiting Professor, University of California, Los Angeles, CA, Faculty training on Whole Body Cooling, June 16, 2011.
38. Invited Presenter, Coastal Carolina Neonatology, Wilmington, NC, “Should We Start to Cool Newborns with HIE During Transport?” August 30, 2011.
39. Invited Visiting Professor, provided hypothermia training to faculty and staff, Coastal Carolina Neonatology, Wilmington, NC, August 30, 2011.
40. Invited Presenter, ThermoTek, Inc., Texas, “Therapeutic Hypothermia During Transport” October 17-18, 2011.
41. Platform Presentation, Pediatric Academic Societies, Boston, MA, “Outcome at 6-7 years of infants with elevated temp following hypoxia-ischemia” May 1, 2012
42. Invited Visiting Professor, Cohen Children’s Medical Center of New York and North Shore Long Island Jewish Health System, “Therapeutic Hypothermia: Taking a Therapy from Clinical Trial into the NICU” June 12, 2012.
43. Invited Visiting Professor, Cohen Children’s Medical Center of New York and North Shore Long Island Jewish Health System, “Brain neuro protection in NICU settings” June 12, 2012.
44. Invited Featured Speaker, Quality Summit for the Pediatrix Medical Group, Chicago, IL, “Clinical controversies with implementation of therapeutic hypothermia” June 28, 2012.
45. Invited Professor, Parkview Regional Medical Center, Fort Wayne, IN, “Cooling Orientation, with hypothermia overview focusing on rationale, results of large trials and implementation issues, September 19, 2012.
46. Invited Visiting Professor, Parkview Regional Medical Center, Fort Wayne, IN, Provided hands on training sessions with equipment and reviewed screening, set up, and troubleshooting of the equipment, September 20, 2012
47. Invited Panel Discussion Participant, 3<sup>rd</sup> Annual Therapeutic Hypothermia and Temperature Management: Current & Future, Miami, FL, “Cooling in Neonatal encephalopathy” March 4, 2013

48. Invited Presenter, Neonatal Encephalopathy and Hypoxic Ischemic Encephalopathy: Advancing the Science and Improving Outcomes Workshop co-sponsors: NICHD and the Balnaves Foundation, “Cooling Beyond 6 Hours” in Session 2: Hypothermia Clinical Trials for HIE – Extending Research and Efficacy. Bethesda, MD May 8-9, 2013.
49. Invited speaker, 38<sup>th</sup> Annual Perinatal Symposium in Chicago, IL, “Therapeutic Hypothermia for neonatal encephalopathy” November 20, 2014.
50. Invited speaker, 38<sup>th</sup> Annual Perinatal Symposium, Chicago, IL, “Thermal regulation of the newborn: A fundamental or forgotten principle of neonatal care” November 20, 2014.
51. Invited Presenter, 8<sup>th</sup> District VI Neonatology Meeting: Controversies in Neonatal Clinical Care held in Chicago, IL, “Therapeutic Hypothermia for Neonatal Encephalopathy: Can Outcomes be Optimized?” September 11-12, 2015.
52. Invited Present, Hot Topics in Neonatology/Neonatal Quality at Hot Topics, Washington, DC, “A Randomized Trial of Hypothermia for Encephalopathy in Premature Infants 33-35 Weeks Gestation: Rationale and Study Design of a New Trial” December 6-9, 2015.
53. Invited Presenter, Hot Topics in Neonatology, Washington, DC, “Cooling after 6 Hours of Age: The Late Hypothermia Trial” December 4-7, 2016.
54. Platform Presentation, Pediatric Academic Societies, San Francisco, CA, “The Late Hypothermia Trial for Neonatal Hypoxic-Ischemic Encephalopathy (HIE)” May 6-9, 2017
55. Invited Presenter, 11<sup>th</sup> Annual Neonatal Symposium: The impact of in utero and external exposures and injuries on the developing nervous system, NC, “Therapeutic Hypothermia for newborn encephalopathy: Different cooling regimens and associated outcomes” June 6, 2017
56. Key Note Speaker, Society of Michigan Neonatologists 2017 Annual Conference, “Overview of Hypothermia Therapy” September 26, 2017.
57. Invited Presenter, Society of Michigan Neonatologists 2017 Annual Conference, “Understanding Neonatal Encephalopathy” September 27, 2017.
58. Invited Presenter, 2021 Texas Collaborative for Healthy Mothers and Babies Virtual Summit. Concurrent Session 2: Newborn Admission Temperature, “Evidence and Importance of Newborn Thermoregulation” February 11, 2021.

## REGIONAL

1. Perinatal Seminar Conference, Women & Infants Hospital, “Neonatal Resource Network Continuous Positive Airway Pressure and Oxygenation Trial (COT study)” March 11, 2004.
2. Annual Lecture to Second Year Medical Students, Bio Med 3674 HRGD Human Reproduction, Growth & Development course, “Drug Effects Mother and Fetus” Warren Alpert Medical School of Brown University, April 12, 2004.

3. Perinatal Management Conference, Women & Infants Hospital, “Neuroprotection by Magnesium: Is There a Role in Perinatal Medicine” September 22, 2004.
4. Perinatal Seminar, Mortality and Morbidity Conference, Women & Infants Hospital, “Support Trial” December 9, 2004.
5. Annual Lecture to Second Year Medical Students, Bio Med 3674 HRGD Human Reproduction, Growth & Development course, “Drug Effects Mother and Fetus” Warren Alpert Medical School of Brown University, April 4, 2005.
6. Invited Presenter, Current Concepts in Fetal & Neonatal Care 28<sup>th</sup> Annual Seminar, RI, “Brain Injury Among Preterm and Term Infants” April 7, 2005.
7. Pediatric Research Colloquium, Women & Infants Hospital, “Brain Cooling for Newborn Encephalopathy” June 24, 2005.
8. Perinatal Management Conference, Women & Infants Hospital, “Hypothermia for Hypoxic-Ischemic Encephalopathy: From the Laboratory to the NICU.” September 28, 2005.
9. Invited Presenter, Massachusetts General Hospital, “Hypothermia for Newborn Encephalopathy: From the Laboratory to the NICU” January 25, 2006.
10. House Staff Noon Lecture, Women & Infants Hospital, “Hypoxic Ischemic Encephalopathy” February 3, 2006.
11. Grand Rounds, Rhode Island Hospital, “Hypothermia for Newborn Encephalopathy: From the Laboratory to the NICU” March 17, 2006.
12. Invited Presenter, 9<sup>th</sup> Annual Best Beginnings Conference, Warwick, RI, “The Near Term Newborn: Delivery Room and Transitional Care” March 23, 2006.
13. Pediatric Research Colloquium, Women & Infants Hospital, “Effects of Elevated Temperature for Hypoxic-Ischemia Brain Injury” June 16, 2006.
14. Invited Presenter, 11<sup>th</sup> Annual Neonatology Pediatric Conference: Care of the At Risk Neonate SouthCoast Hospitals Group, “Caring for the Near Term Infant” October 4, 2006.
15. Perinatal Management Conference, Women & Infants Hospital, “Thermal Regulation of the Newborn: A Fundamental or Forgotten Principle of Neonatal Care” November 8, 2006.
16. Perinatal Management Conference, Women & Infants Hospital, “Use of Pulse Oximetry to monitor oxygenation in Newborns” November 7, 2007.
17. Invited Present, NEAN/Griffin Symposium: Neonatal Update 2007 Life, Death and Neonatal Resuscitation: Optimizing Outcomes and Walking Journey, “Brain Cooling for Newborn Encephalopathy” September 21, 2007.
18. Invited Presenter, Tufts-New England Medical Center, Boston, MA, “Brain Hypothermia Using Whole Body Cooling” January 3, 2008.

19. Pediatric Research Colloquium, Women & Infants Hospital, “The Relationship Between Hypoxic-Ischemic Encephalopathy and 18-22 Month Outcome: Are Apgar Scores Helpful?” February 29, 2008
20. Pediatric Research Colloquium, Women & Infants Hospital, “A Randomized Trial of Benchmarking to Reduce Bronchopulmonary Dysplasia in Preterm Infants” April 6, 2008.
21. Invited Presenter, 2007 New England Association of Neonatologists and Griffin Symposium, Winchester Hospital, Woburn, MA, “Brain Cooling for Newborn Encephalopathy” April 25, 2008.
22. Perinatal Management Conference, Women & Infants Hospital, “Therapeutic Hypothermia for Newborn Encephalopathy” August 6, 2008.
23. Perinatal Management Conference, Women & Infants Hospital, “Use of Pulse Oximetry to Monitor Oxygenation in Newborns” November 7, 2008.
24. Invited Presenter, 13th Annual Neonatology/Pediatric Conference, SouthCoast Hospitals Group, “Newborn encephalopathy: When do you need a cool head?” November 6, 2008.
25. Perinatal Management Conference, Women & Infants Hospital, “Use of Pulse Oximetry to Monitor Oxygenation in Newborns” November 7, 2008.
26. Pediatric Grand Round, UMass Memorial, Worcester, MA, “Newborn encephalopathy: When do you need a cool head?” December 19, 2008.
27. Invited Presenter of brain cooling protocol, “Use of Therapeutic hypothermia for infants  $\geq 36$  weeks with HIE: Whole Body Cooling” UMass Memorial NICU staff Training Session, Worcester, MA December 19, 2008.
28. Annual Lecture to Second Year Medical Students, Bio Med 3674 HRGD Human Reproduction, Growth & Development course, “Drug Effects Mother and Fetus” Warren Alpert Medical School of Brown University, March 4, 2009.
29. Grant Rounds, Newport Hospital, “Transitioning Preterm and term infants from the womb to the nursery” April 17, 2009.
30. Invited Presenter, 32<sup>nd</sup> Annual Current Concepts: Issues in Perinatal and Neonatal Care Symposium, “Neonatal therapeutic hypothermia” May 6, 2009.
31. Invited Presenter, Annual Brigham & Women’s Hospital NICU Respiratory Symposium, “Therapeutic Hypothermia for HIE: Should we be concerned about the lungs” October 27, 2009.
32. Invited Presenter, Fellow’s Conference, Brigham & Women’s Hospital, “Therapeutic Hypothermia: When do you need a cool head?” October 27, 2009.



33. Perinatal Management Conference, Women & Infants Hospital, Co-presenter with Stephanie Adam and Sharon Vessella, “Facts and Fiction About Discharging Infants From the NICU” August 26, 2009.
34. Perinatal Management Conference, Women and Infants Hospital, Co-presenter with Barry Lester, Ph.D., Marybeth Taub, R.N. and Keith Murphy, “Family Centered Care” September 30, 2009.
35. Invited Special Guest Speaker, Brigham & Women’s Hospital Newborn Intensive Care Unit’s 4<sup>th</sup> Neonatal Respiratory Symposium, Boston, MA, “Therapeutic Hypothermia for HIE: Should We Be Concerned About the Lung” October 20, 2009.
36. Invited Presenter, Children’s Hospital, Beth Israel Deaconess Medical Center and Mass General Hospital, Boston, MA, “Therapeutic Hypothermia: When do you Need a Cool Head?” October 20, 2009.
37. Invited Presenter, 6<sup>th</sup> Annual Neonatal Conference, Springfield MA, “Hypothermia as a therapeutic intervention in term infants at risk for neonatal encephalopathy: What are future goals and strategies? November 5, 2009.
38. Invited Presenter, Special Conference, Women & Infants Hospital, “A Review of SUPPORT Trial Results” December 9, 2009.
39. Co-presenter, MADAM Conference (Multidisciplinary Antenatal Diagnosis And Management), Women & Infants Hospital, “Fetal and Congenital Scoliosis: The Neonatal Period and Beyond” January 15, 2010.
40. Annual Lecture to the Second Year Medical Students, Bio Med 3674 HRGD Human Reproduction, Growth & Development course, “Drug Effects Mother and Fetus” Warren Alpert Medical School of Brown University, March 11, 2010.
41. Grand Rounds, Memorial Hospital, “Transitioning Preterm and Term Infants from the Womb to the Nursery” March 17, 2010.
42. Perinatal Management Conference, Women & Infants Hospital, “Selected observations from the NICU database” June 9, 2010.
43. Neopediatric Grand Rounds, Charlton Memorial Hospital, “Neonatal Intensive Care of the future: The impact of environment of care on outcome” June 25, 2010.
44. Pediatric Grand Rounds, Rhode Island Hospital, “Neonatal Morbidities Among NICU graduates headed for the pediatrician” July 30, 2010.
45. Annual Lecture to the Second Year Medical Students, Bio Med 3674 HRGD Human Reproduction, Growth & Development course, “Drug Effects Mother and Fetus” Warren Alpert Medical School of Brown University, November 1, 2010.
46. Pediatric Research Colloquium, Women & Infants Hospital, “CPR in the Delivery Room for ELBW Infants: Is it Futile” May 6, 2011.

47. Invited presenter, "Surgery at Hasbro Children's Hospital New Concepts, Therapies and Procedures: An Update for Pediatricians" Warren Alpert Medical School of Brown University, October 1, 2011.
48. Invited Speaker to Medical Staff, Joint sponsors St. Lukes' Hospital Physician CME Program and Charlton Memorial Hospital, "Transitioning Infants from the Womb to Nursery" January 27, 2012.
49. Special Lecture, South County Hospital, Wakefield, RI, "New Neonatal Resuscitation Guidelines" April 24, 2012
50. Pediatric Grand Rounds, Charlton Memorial Hospital "Late preterm infants: An overview of trends, morbidity and outcomes" October 5, 2012
51. Invited Discussant Participant, 39<sup>th</sup> Annual Conference on Perinatal Research, Chatham, Cape Cod, October 6-8, 2013. Thomas Murphy (2<sup>nd</sup> year fellow) was awarded Best Presentation in Clinical Science, "Teamwork and communication training improves staff perceptions of culture of safety in the NICU" (Murphy T, Bender GJ, Laptook A.)
52. Perinatal Management Conference, Women & Infants Hospital, "Pulse Oximetry in Extremely Preterm Infants: Is Our Practice Based on an Unethical Trial?" December 4, 2013.
53. Annual Lecture to the Second Year Medical Students, Bio Med 3674 HRGD Human Reproduction, Growth & Development course, "Drug Effects Mother and Fetus" Warren Alpert Medical School of Brown University, December 6, 2013.
54. OB/GYN Grand Rounds, Women & Infants Hospital, Co-Presenter with Katharine Wenstrom, MD, "Update on Encephalopathy and HIE" October 9, 2014.
55. Perinatal Management Conference, Women & Infants Hospital, Co-Presenter with Marybeth Taub, BSN, RN, "Team Training: Is it Important to Patients Cared for in an ICU Setting?" October 22, 2014
56. Perinatal Management Conference, Women & Infants Hospital Co-Presenter with Katharine Wenstrom, MD, "Update on Encephalopathy and HIE" November 12, 2014.
57. Grand Rounds, Rhode Island Hospital, Co-Presenter with Katharine Wenstrom, MD, "Update on Encephalopathy and HIE" February 13, 2015
58. Encephalopathy Workshop Co-Presenter with Katharine Wenstrom, MD, "Update on Encephalopathy and HIE" WIH Indemnification Program, Risk Management Education Series to community pediatricians, obstetricians and nurse midwives, Women & Infants Hospital March 4, 2015.
59. Invited Participate, Case Review Discussant, Schwartz Center Rounds, "This Wasn't Part of my Plan: When the Bottom Falls Out" Women & Infants Hospital, October 23, 2015.
60. Perinatal Management Conference, Women & Infants Hospital, "Therapeutic Hypothermia: What Randomized Trials Don't Tell You About How to Use a New Therapy" October 28, 2015.

61. Annual Lecture to the Second Year Medical Students, Bio Med 3674 HRGD Human Reproduction, Growth & Development course, “Drug Effects Mother and Fetus” Warren Alpert Medical School of Brown University, December 7, 2015.
62. Invited Panelists, Schwartz Center Rounds, “This Wasn’t Part of My Plan: When the Bottom Falls Out.” Women & Infants Hospital October 23, 2015.
63. Annual Lecture to the Second Year Medical Students, Bio Med 3674 HRGD Human Reproduction, Growth & Development course, “Drug Effects Mother and Fetus” Warren Alpert Medical School of Brown University, December 7, 2015.
64. Perinatal Management Conference, Women & Infants Hospital, “Understanding newborn encephalopathy and how therapeutic hypothermia fits in” on August 24, 2016.
65. Grand Rounds, Rhode Island Hospital, “Hypothermia: When to prevent and when to induce” September 16, 2016.
66. Pediatric Research Colloquium, Women & Infants Hospital, “A Randomized Trial of Initiating Hypothermia for Newborn HIE Between 6-24 hours: What Should be our Practice” January 27, 2017.
67. Perinatal Management Conference, Women & Infants Hospital, “Later Preterm Infants after hospital discharge: What can we tell parents?” October 25, 2017.
68. Perinatal Management Conference, Women & Infants Hospital, “Late Preterm Infants after Hospital Discharge: What can we tell parents?” October 25, 2017.
69. Pediatric Research Colloquium, Women & Infants Hospital, “Spontaneous Intestinal Perforation: Can we determine why rates are high at WIH?” January 26, 2018.
70. Philip Lipsitz Memorial Lecture, Pediatric Grand Rounds, Cohen Children’s Medical Center, New York, “Does Late Preterm Birth Impact Neurobehavioral Outcome During Childhood?” May 11, 2018.
71. Grand Rounds, Rhode Island Hospital, “Does Late Preterm Birth Impact Neurobehavioral Outcome During Childhood” June 8, 2018.
72. The 2019 John S Curran, MD Endowed Lectureship in Newborn Health at the University of South Florida, Tampa Florida, “Hypoxic Ischemic Encephalopathy: Outcomes with Therapeutic Hypothermia” November 7, 2019.
73. Pediatric Lecture, “Hypoxic Ischemic Encephalopathy: Outcomes with Therapeutic Hypothermia” Landmark Hospital, January 13<sup>th</sup>, 2020
74. Pediatric Research Colloquium, Women & Infants Hospital, “Hypoxic Ischemic Encephalopathy: Does the Stage of Encephalopathy Matter?” February 19, 2020.

## GRANTS

1. Newborn Piglet Brain Blood Flow: An Evaluation of Regional Differences, 2 S07 RR05426-20 University of Texas Southwestern Medical Center, Biomedical Research Support Grant, 07/1981-06/1982, Principal Investigator
2. Cerebral Hemodynamics of Sodium Bicarbonate in Newborn Swine, No. 83714, American Heart Association, 07/1983 – 06/1985, Principal Investigator
3. Cerebrovascular and Metabolic Effects of Brain Ischemia, 1-R23-NS-22398, National Institutes of Health, 09/1985-08/1988, Principal Investigator
4. Fetal Hormonal Adaptation to Intrauterine Stress, 1R01-HD-20720, National Institutes of Health, 07/1986-06/1989, Co-Investigator
5. Is Modest Hypothermia Beneficial for Ischemic Neonatal Brain, R-411-91, United Cerebral Palsy, 10/01/1991-09/30/1993, Principal Investigator
6. Neonatal Neuroprotection Provided by Modest Hypothermia, R-411-93, United Cerebral Palsy, 10/01/1993-09/30/1995, Principal Investigator
7. Multicenter Network of Neonatal Intensive Care Units, 5-U10-HD21373, National Institutes of Health, 04/1999-03/2001, Co-Investigator
8. Randomized Controlled Trial of Albumin or Normal Saline on Resuscitation in an Asphyxiated Hypotensive Neonatal Model (PI: Myra Wyckoff) Neonatal Resuscitation Program, 01/2002-01/2003, Consultant
9. Thermal Modeling of the Head and Neck, CTS50222504, (PI–Yildiz Bayazitoglu), National Science Foundation, 10/2002-01/2004, Co-Investigator
10. Multicenter Network of Neonatal Intensive Care Units, 1-U10-HD40689, National Institutes of Health 04/2001-03/2006, PI Role 2001-2003
11. Comparison of ThermoTek and Cincinnati Sub-Zero Cooling Systems, ThermoTek, Inc., 10/2005–12/2005, Co-Investigator
12. Multicenter Network of Neonatal Intensive Care Units, 5-U10-HD027904, NICHD, 04/2001–03/2006, Co PI Role 2004-2006
13. Multicenter Network of Neonatal Intensive Care Units, 5-U10-HD027904, National Institutes of Health, 04/2006–03/2011, Principal Investigator
14. Prophylactic Phenobarbital After Resolution of Neonatal Seizures, R01-HD057977, National Institutes of Health, 09/2009–11/2011, (Closed due to lack of recruitment), Site Principal Investigator

15. Optimizing Hypothermia Therapy: A Pilot Study for Evaluation of the Rewarming Phase in Newborn with Hypoxic-Ischemic Encephalopathy, (PI, Lina Chalak) North and Central Texas Clinical and Translational Science Initiative Pilot Grant Award Program, 06/2010-05/2011, Mentor of Principal Investigator
16. Cerebrovascular Dysfunction in Newborns with HIE During Hypothermia and Rewarming, 1K23HD069521-A1, (PI: Lina Chalak) National Institutes of Health, 08/2012--07/2015, Mentor of Principal Investigator
17. Multicenter Network of Neonatal Intensive Care Units, 5-U10-HD027904, National Institutes of Health, 04/2011--03/2016, Principal Investigator
18. Multicenter Network of Neonatal Intensive Care Units, 5-2UG1-HD027904, National Institutes of Health, \$1,477,829, 04/10/2016--03/31/2021, Principal Investigator
19. Rhode Island Child Clinical Trials Collaborative, 1-UG1-HD090901, National Institute of Health, \$409,656, 09/2016--08/2020, Co-Principal Investigator
20. A Novel Wavelet Neurovascular Bundle for Real Time Detection of Injury in Neonatal Encephalopathy 1 R01 NS102617, (PI Lina Chalak) National Institute of Health, NIND, 07/01/2017-06/30/2022, Consultant
21. Clinical Trial Design for Neonatal Opioid Withdrawal Syndrome. 8 U24 OD024957 (Co-PIs Laptook & Czynski) National Institute of Health, Subcontract, University of Arkansas, \$305,848, 03/01/2018-08/31/2020, Co-Principal Investigator
22. Clinical Trial Design for Neonatal Opioid Withdrawal Syndrome. 8 U24 OD024957 (Co-PIs Laptook & Czynski) National Institute of Health, Subcontract, University of Arkansas, \$51,763, 09/01/20-12/31/2020, Co-Principal Investigator
23. Clinical Trial Design for Neonatal Opioid Withdrawal Syndrome. 8 U24 OD024957 (Co-PIs Laptook & Czynski) National Institute of Health, Subcontract, University of Arkansas, \$103,526, 01/01/21-08/31/2021, Co-Principal Investigator
24. Rhode Island Child Clinical Trials Collaborative, 1-UG1-HD090901, National Institute of Health, \$174,166, 08/2020--07/2025, Co-Principal Investigator

#### GRANT REVIEWER

- 2008 Ad hoc Reviewer, National Heart, Lung and Blood Institute Clinical Trials
- 2011 Ad Hoc Reviewer, Scientific Review Branch of NINDS Phase III Trials program
- 2012 Ad Hoc Reviewer, Sparks for Children's Innovation Grant
- 2015 Ad Hoc Reviewer, Eunice Kennedy Shriver National Institute of Child Health and Human Development, STTR (R41) and SBIR (R43) Tools for Assessment and Improvement of Neurologic Outcomes in Perinatal Medicine
- 2015 Ad hoc Reviewer, National Heart, Lung and Blood Institute Patient Oriented Research (K23/K24/K25) Career Enhancement Award Special Emphasis Panel
- 2016 Ad hoc Reviewer, National Heart, Lung and Blood Institute, Mentored Patient-Oriented Research Review Committee
- 2017 Ad hoc Reviewer, Action Medical Research

- 2017 Ad hoc Reviewer, The Netherlands Organization for Health Research and Development, The Crucial Trial
- 2018 Ad hoc Reviewer, Charles H. Hood Foundation, Major Grant Initiative to Advance Child Health.
- 2019 Ad hoc Reviewer, The Thrasher Research Fund

**UNIVERSITY TEACHING ROLES**

**University of Texas Southwestern Medical Center at Dallas, Texas**

- 1981-2003 Children’s Medical Center House Staff Teaching Conference
- 1985-2003 Neonatal Intensive Care Nursing Residency Program
- 1988-2003 Third-Year Medical Student Nursery Lecture: Newborn Adaptation
- 1991-1995 Symposia: Problems of the Neonate

**The Warren Alpert Medical School of Brown University, Providence, RI**

- 2004-2015 Bio Med 3674 IMS III: Human Reproduction, Growth & Development: “Drug Effects in the Mother and Fetus” (2<sup>nd</sup> Year Medical School Class)
- 2009- Course Leader, Sub-Internship in Perinatal Medicine - NICU

**HOSPITAL TEACHING ROLES**

- 1993-2003 Nurse-Midwifery Program Parkland Memorial Hospital, Dallas, TX

**Fellows Mentored:**

- 1983-1985 Mike Porter, M.D., University of Texas Southwestern Medical Center at Dallas, Texas
- 1991-1994 Terry King, M.D., University of Texas Southwestern Medical Center at Dallas, Texas
- 1994-1997 Jerry Gee, M.D., University of Texas Southwestern Medical Center at Dallas, Texas
- 1998-2001 Lina Chalak, M.D., University of Texas Southwestern Medical Center at Dallas, Texas
- 2004-2007 Elisabeth C. McGowan, M.D., Women & Infants Hospital of RI
- 2006-2009 Olga DeSimone, M.D., Women & Infants Hospital of RI
- 2007-2010 Ross Sommers, M.D., Women & Infants Hospital of RI
- 2010-2014 Hussnain Mirza, M.D., Women & Infants Hospital of RI
- 2012- Birju Shah, M.D., Women & Infants Hospital of RI
- 2014- Adrienne Bingham, M.D., Women & Infants Hospital of RI

**Junior Faculty Mentored:**

- 2008- Lina Chalak, M.D., Pediatrics, UT South Western Medical Center at Dallas, TX
- 2016- Adam Czynski, D.O., Pediatrics, Women & Infants Hospital of RI
- 2014-2017 Uzma Sharif, M.D., Neurology, Hasbro Children’s Hospital, RI
- 2019- Rachit Patil, M.D., Neurology, Hasbro Children’s Hospital, RI

**Faculty Advisor:**

- 2008-2011 Thomas Scott, M.D., Brown Pediatric Residency/Hasbro Children’s Hospital, RI
- 2008-2011 Thomas Murphy, M.D., Brown Pediatric Residency/Hasbro Children’s Hospital, RI

**Residents Mentored:**

- 2010-2012 Laurie Hoffman, M.D., Brown Pediatric Residency, RI
- 2016-2018 Danielle Kolitz, M.D., Brown Pediatric Residency, RI

**Medical Student Mentored:**

- 2018- Jamie Longo, New York Medical College School of Medicine, NY