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CURRICULUM VITAE  
ABBOT R. LAPTOOK, M.D.

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Women & Infants Hospital of Rhode Island  
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EDUCATION:

Undergraduate: Clark University  
Worcester, Massachusetts  
1968-1972, B.A.

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

POSTGRADUATE TRAINING:

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

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

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

## POSTGRADUATE HONORS AND AWARDS:

Phi Beta Kappa, 1972  
Clark University, Worcester, MA

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, 2011-2012

Selected, Best Doctors in America, 2013

MILITARY SERVICE: none

## PROFESSIONAL LICENSES AND BOARD CERTIFICATION:

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

Board Certification: Diplomate, National Board of Medical Examiners  
July 1, 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, Rhode Island  
2004-2014

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

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

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

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

#### HOSPITAL APPOINTMENTS:

Courtesy Without Admitting  
Rhode Island Hospital  
Providence, Rhode Island  
June 1, 2011-present

Affiliate Staff  
The William W. Backus Hospital  
Norwich, Connecticut  
October 28, 2008-present

Affiliate Staff  
Kent Hospital  
Warwick, Rhode Island  
June 17, 2008-present

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

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

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

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

Staff Neonatologist  
Parkland Memorial Hospital  
Dallas, Texas  
1981-2003

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

Staff Neonatologist  
St. Paul Medical Center  
Dallas, Texas  
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

Continuing Medical Education Committee, 2004-present  
Interim NICU Renovation Committee, 2004-2005  
NICU Steering Committee, Building for the Future-2004-present  
Analysis of Delivery Resuscitation, Quality Assurance Committee, 2004-2006  
Infant Code Committee, 2005-present  
Maternal Fetal Medicine Search Committee, 2005-2006  
Pain Management Committee, 2005  
NICU Developmental Education Care Committee, 2005-present  
OB/Newborn Service Line Evaluation, 2006-present  
NICU Transport Committee, 2006-present  
Sepsis Taskforce, 2007-present  
Pediatric Surgeon Search Committee, 2007  
Data Safety Monitoring Committee, member, 2012-present

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

Chairman, Section Chief/Program Director Search, Division Pediatric Cardiology, 2009  
Chairman, Clinical Geneticist Search, Division of Human Genetics, 2012  
Member, Associate Professor Search, Division of Pediatric Allergy & Immunology, 2013

Children's Medical Center, Dallas

Chairman, Continuing Education Committee, 1986-2003

Parkland Memorial Hospital

Standardization Subcommittee Medical Advisory Council, 1984-1989

Abortion Advisory Committee, 1986-2003

Medical Staff Laboratory Advisory Committee, 1989-1995

Utilization Review Committee, 1989-1995

Parkland Managed Care Task Force, 1996-1997

UNIVERSITY COMMITTEES:

Institutional Review Board for Animal Research, 1989-2003

UT-Southwestern Medical Center at Dallas (Alternate)

EDITORIAL REVIEWER:

Pediatrics

The Journal of Pediatrics

Pediatric Research

Early Human Development

Journal of the Society for Gynecologic Investigation

Journal of Cerebral Blood Flow Metabolism

Brain Research

Biology of Neonate

Stroke

Pediatric Infectious Disease Journal

Intensive Care Medicine

Journal of Perinatology

Journal of Pediatric Neurology

Journal of the American Medical Association

MEMBERSHIP IN SOCIETIES:

Texas Perinatal Association, 1981

Dallas County Medical Society, 1987

Society for Pediatric Research, 1988

Texas Pediatric Society, 1992

American Pediatric Society, 1995

Fellow, American Academy of Pediatrics, 2004

COMMUNITY SERVICE:

G.L.O.W. Youth Volunteers: Giving and Learning Our Way

Dallas, Texas, 1994-2001

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS:

1. Laptok A, Wind E, Nussbaum M, Schenker IR: Pulmonary nodules in atypical measles. Pediatrics 62:42-6, 1978.
2. Laptok 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 hypereosinophilia. *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.
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## INVITED NON PEER-REVIEWED PUBLICATIONS

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105. Laptook 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. 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.
158. 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.
159. 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.
160. 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.
161. 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.
162. 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.

163. 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.
164. 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.
165. 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.
166. 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.
167. 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.
168. 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.
169. 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



## GRANTS

1. Principal Investigator, University of Texas Southwestern Medical Center, 2 S07 RR05426-20 Biomedical Research Support Grant, "Newborn Piglet Brain Blood Flow: An Evaluation of Regional Differences", July 1981-June 1982
2. Principal Investigator, American Heart Association, No. 83714, "Cerebral Hemodynamics of Sodium Bicarbonate in Newborn Swine", July 1983 - June 1985
3. Principal Investigator, National Institutes of Health, No. 1-R23-NS-22398, "Cerebrovascular and Metabolic Effects of Brain Ischemia", September 1985 - August 1988
4. Co-Investigator, National Institutes of Health, No. 1R01-HD-20720, Fetal Hormonal Adaptation to Intrauterine Stress", July 1986 - June 1989
5. Principal Investigator, United Cerebral Palsy, No. R-411-91, "Is Modest Hypothermia Beneficial for Ischemic Neonatal Brain", October 1, 1991 - September 30, 1993
6. Principal Investigator, United Cerebral Palsy, No. R-411-93, "Neonatal Neuroprotection Provided by Modest Hypothermia", October 1, 1993 - September 30, 1995
7. Co-Investigator, National Institutes of Health, No. 5-U10-HD21373, "Multicenter Network of Neonatal Intensive Care Units," April, 1999 - March, 2001
8. Consultant, Principal Investigator – Myra Wyckoff, M.D., Neonatal Resuscitation Program, "Randomized Controlled Trial of Albumin or Normal Saline on Resuscitation in an Asphyxiated Hypotensive Neonatal Model", January 2002- January 2003
9. Co-Investigator, National Science Foundation, No. CTS50222504, Principal Investigator – Yildiz Bayazitoglu, PhD, "Thermal Modeling of the Head and Neck, October 2002-January 2004
10. Principal Investigator, National Institutes of Health, "Multicenter Network of Neonatal Intensive Care Units", April 2001 - March 2006, No. 1-U10-HD40689-03 (PI Role 2001-2003)
11. Co-Investigator, ThermoTek, Inc., "Comparison of ThermoTek and Cincinnati Sub-Zero Cooling Systems," October 2005 – December 2005
12. Co-Principal Investigator, NICHD "Multicenter Network of Neonatal Intensive Care Units", April 2001 – March 2006, No. 5-U10-HD027904-13 (Co PI Role 2004-2006)
13. Principal Investigator, National Institutes of Health, "Multicenter Network of Neonatal Intensive Care Units", April 2006 – March 2011, No.5-U10-HD027904-16
14. Site Principal Investigator, National Institutes of Health, "Prophylactic Phenobarbital After Resolution of Neonatal Seizures", September 2009 – November 2011, R01-HD057977 (Closed due to lack of recruitment)

15. Mentor, Principal Investigator, Lina Chalak, MD, North and Central Texas Clinical and Translational Science Initiative Pilot Grant Award Program, “Optimizing Hypothermia Therapy: A Pilot Study for Evaluation of the Rewarming Phase in Newborn with Hypoxic-Ischemic Encephalopathy”, June 2010- May 2011
16. Co-Sponsor, Principal Investigator, Lina Chalak, MD, National Institutes of Health, “Cerebrovascular Dysfunction in Newborns with HIE During Hypothermia and Rewarming”, July 2012, 1K23HD069521-01A1
17. Principal Investigator, National Institutes of Health, “Multicenter Network of Neonatal Intensive Care Units”, April 2011 – March 2016, No.5-U10-HD027904-21

### UNIVERSITY TEACHING ROLES

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

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| 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**

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| 2004-present | Bio Med 3674 IMS III: Human Reproduction, Growth & Development: “Drug Effects in the Mother and Fetus” (Medical Students-approximately 60) |
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### HOSPITAL TEACHING ROLES

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| 1993-2003 | Nurse-Midwifery Program Parkland Memorial Hospital, Dallas, TX |
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#### **Fellows Mentored:**

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| 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 Shalak, 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                                  |
| 2010-2012 | Hussnain Mirza, M.D., Women & Infants Hospital of RI                                |
|           | Birju Shah, M.D., Women & Infants Hospital of RI                                    |

#### **Junior Faculty Mentored:**

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| 2008- | Lina Shalak, M.D., Department of Pediatrics, UT South Western Medical Center |
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#### **Residents Mentored:**

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| 2010-2012 | Laurie Hoffman, M.D. |
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