

|Curriculum Vitae
Myra Helen Wyckoff, M.D.

Date Prepared: April 3, 2019

Name: Myra H. Wyckoff, M.D.

Office Address UT Southwestern Medical Center
 5323 Harry Hines Boulevard
 Dallas, Texas 75390

Work Phone: (214) 648-3903

Work E-Mail: myra.wyckoff@utsouthwestern.edu

Work Fax: (214) 648-2481

Education

Year	Degree (Honors)	Field of Study	Institution
Aug 1985 - May 1990	Bachelor of Science (Graduated <i>Cum Laude</i>)	Major: Engineering Science Minor: Mathematics	Trinity University, San Antonio, TX
Aug 1990 - May 1994	Doctor of Medicine (AOA Honor Society)	Medicine	UT Southwestern Medical School, Dallas, TX

Postdoctoral Training

Year(s)	Titles	Specialty/Discipline (Lab PI for postdoc research)	Institution
Jun 1994 - Jun 1995	Internship	General Pediatrics	Children's Medical Center of Dallas UT Southwestern Medical School
Jul 1995 - Jun 1997	Residency	General Pediatrics	Children's Medical Center of Dallas UT Southwestern Medical School
Jul 1995 - Jun 2000	Fellowship	Neonatal Perinatal Medicine (Research PI: Philip Shaul, MD)	Parkland Health & Hospital System UT Southwestern Medical School

Current Licensure and Certification

Licensure

1997-present Licensed by Texas State Board of Medical Examiners
Board and Other Certification

Nov 12, 2001	Neonatal Board Certification
Oct 20, 2008	Neonatal Board Recertification
Oct 8, 1997	Pediatric Board Certification
Dec 18, 2004	Pediatric Board Recertification
Dec 31, 2011	Pediatric Board Recertification
Jun 1992	USMLE Part I
Sep 1993	USMLE Part II
May 1997	USMLE Part III

Honors and Awards

Year	Name of Honor/Award	Awarding Organization
1998	Travel Awardee and Presenter for Perinatal & Developmental Medicine Symposium	American Academy of Pediatrics and Mead Johnson
2000	Outstanding Fellow of the Year	UT Southwestern Pediatric Program (awarded by the residents)
2006	Pediatric Faculty Teaching Award	UT Southwestern Pediatric Program (awarded by the residents)
2006	Elected as Member	Society for Pediatric Research
2007	NIH Young Investigator Travel Awardee	Perinatal Research Society
2007	Acute Care Rotation Teaching Award	UT Southwestern Medical School (awarded by 4 th year medical students)
2008	Pediatric Faculty Teaching Award	UT Southwestern Pediatric Program (awarded by the residents)
2008	Elected as Member	Perinatal Research Society
2009	Acute Care Rotation Teaching Award	UT Southwestern Medical School (awarded by 4 th year medical students)
2011	Elected Co-Chair	American Academy of Pediatrics Neonatal Resuscitation Program Steering Committee
2011	Pediatric Faculty Teaching Award	UT Southwestern Pediatric Program (awarded by the residents)
2011	Elected Chair Elect	Neonatal Delegation of the American Heart Association International Liaison Committee on Resuscitation
2014	Invited Lectureship	6th Annual Fellows' Invited Lectureship in honor of Dr. Sophie Womack. Wayne State University, Detroit, MI.

2015	Editorial Board	<i>Resuscitation</i>
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Faculty Academic Appointments

Year(s)	Academic Title	Department	Academic Institution
Jul 2000-Aug 2008	Assistant Professor of Pediatrics	Division of Neonatology	UT Southwestern Medical Center, Dallas, TX
Sep 2008-Aug 2015	Associate Professor of Pediatrics	Division of Neonatology	UT Southwestern Medical Center, Dallas, TX
Sep 2015-present	Professor of Pediatrics	Division of Neonatology	UT Southwestern Medical Center, Dallas, TX

Appointments at Hospitals/Affiliated Institutions

<u>Current</u>			
Year(s)	Position Title	Department/Division	Institution
2000-present	Active Medical Staff	Department of Pediatrics	Parkland Health & Hospital System, Dallas, TX
2000-present	Active Medical Staff	Department of Pediatrics	Children's Medical Center, Dallas, TX
2001-2013	Consultant Staff	Department of Pediatrics	St. Paul University Hospital, Dallas, TX
2013-present	Active Medical Staff	Department of Pediatrics	Clements University Hospital, Dallas, TX
2016-present	Active Medical Staff	Department of Pediatrics	Texas Health Presbyterian Hospital, Dallas, TX

Other Professional Positions

Year(s)	Position Title	Institution
2003-present	International Liaison Committee on Resuscitation, Neonatal Life Support Task Force	American Heart Association
2006-2015	Neonatal Resuscitation Program Steering Committee	American Academy of Pediatrics
2011-2015	Neonatal Resuscitation Program Steering Committee Co-Chair	American Academy of Pediatrics
2011-2015	International Liaison Committee on Resuscitation, Neonatal Task Force-Writing Group Chair	American Academy of Pediatrics/American Heart Association
2011-2015	Get with the Guidelines Committee	American Heart Association
2015-present	International Liaison Committee on Resuscitation representative to the Neonatal Resuscitation Program Steering Committee	American Academy of Pediatrics

2016-present	International Liaison Committee on Resuscitation, Neonatal Life Support Task Force, Chair	American Heart Association
2016-2019	Neonatal Resuscitation Program Liaison to the Pediatric Emphasis Group of the Emergency Cardiovascular Care Committee	American Heart Association
2018-present	Voting International Liaison Committee on Resuscitation Delegate	American Heart Association

Major Administrative/Leadership Positions

Year(s)	Position Title	Institution
2000-present	Director of Newborn Resuscitation Services	Parkland Health & Hospital System, Dallas, TX
2005-2007	Medical Director of Continuing Care Nursery Pediatric Nurse Practitioners	Parkland Health & Hospital System, Dallas, TX
2006-2007	Neonatal Transport Liaison	Children's Medical Center, Dallas, TX

Committee Service (*Member, unless noted otherwise*)

Year(s)	Name of Committee	Institution/Organization
<u>UTSW</u>		
2007-2009	Faculty Day Care Committee	UT Southwestern Medical Center
<u>Hospital</u>		
2008-present	House-wide Resuscitation Committee	Parkland Health & Hospital System
2008-2015	Hospital Design Committee for L&D and NICU	Parkland Health & Hospital System
2008-present	Fetal Diagnosis and Therapy Committee	Parkland Health & Hospital System/ Children's Medical Center
2010-present	Pediatric Performance Improvement Committee	Parkland Health & Hospital System
2010-2014	Hospital Design Committee for L&D and NICU	UTSW University Hospital
2011-2013	Clinical Practice Guidelines Development Oversight Committee	Children's Medical Center

Professional Societies

Dates	Society Name, member
2000-present	American Academy of Pediatrics
2006-present	American Heart Association
2007-present	Society for Pediatric Research
2008-2019	Perinatal Research Society

Grant Review Activities

Year(s)	Name of Review Committee	Organization
2006-2015	Neonatal Resuscitation Program Research Grants	American Academy of Pediatrics
2012-2014	CCRAC Grants	Children's Medical Center of Dallas
2017	NICHD Study Section: Point of Care Technologies for the Evaluation and Management of Obstetrics, Neonatal, and Pediatric Critical Care Patients, and for Patients with Disorders of Reproductive Tract and Infertility (R43/R44)	National Institute of Health
2018-present	National Institute of Child Health and Human Development (NICHD) Loan Repayment Program	National Institute of Health

Editorial Activities

<u>Ad Hoc Reviewer</u>	
2004- present	Ad hoc Reviewer for Cochrane Neonatal Systematic Reviews
2005- present	Ad hoc Reviewer for Early Human Development
2006- present	Ad hoc Reviewer for NICHD Neonatal Network Manuscripts
	Ad hoc Reviewer for Journal of Perinatology
	Ad hoc Reviewer for Acta Paediatrica
	Ad hoc Reviewer for Journal of Pediatrics
2008- present	Ad hoc Reviewer for Archives of Disease in Childhood
	Ad hoc Reviewer for Journal of Perinatal Medicine
2009- present	Ad hoc Reviewer for Pediatric Research
2011- present	Ad hoc Reviewer for American Journal of Perinatology
	Ad hoc Reviewer for Pediatrics
2013-present	Ad hoc Reviewer for Circulation
	Ad hoc Reviewer for Neonatology
2017-present	Ad hoc Reviewer for European Journal of Pediatrics
<u>Editorial Board</u>	
2015-present	Editorial Board, <i>Resuscitation</i>

Grant Support

<u>Present</u>	<i>Grantor:</i> National Institute of Health
	<i>Title of Project:</i> NICHD Cooperative Multicenter Neonatal Research Network-5 U10 HD16020

	<i>Role: Primary Investigator</i>
	<i>Total amount and date (direct costs only): Apr 2016-Mar 2021, \$200,000/yr</i>

	<i>Grantor: American Academy of Pediatric Neonatal Resuscitation Program Young Investigator Grant</i>
	<i>Title of Project: Impact of the 7th edition NRP guideline changes on outcomes of meconium-exposed newborns</i>
	<i>Role: Co-Investigator (Mentor to Dr. Britni Maple)</i>
	<i>Total amount and date (direct costs only): Jan 2019-Dec 2019, \$3000</i>

<u>Past</u>	<i>Grantor: American Academy of Pediatrics Neonatal Resuscitation Program</i>
	<i>Title of Project: A randomized controlled trial of albumin versus normal saline administration on resuscitation in an asphyxiated, hypotensive neonatal model.</i>
	<i>Role: Principal Investigator</i>
	<i>Total amount and date: Feb 2002-Jan 2003, \$25,000</i>

	<i>Grantor: Children’s Medical Center of Dallas Clinical Research Grant</i>
	<i>Title of Project: Use of non-invasive ET_{CO2} and compliance monitoring to prevent early hypocarbia in VLBW neonates requiring intubation in the delivery room.</i>
	<i>Role : Principal Investigator</i>
	<i>Total amount and date (direct costs only): Sep 2002-Sep 2003, \$10,000.</i>

	<i>Grantor: National Institute of Health Grant</i>
	<i>Title of Project: Clinical research consortium to improve resuscitation outcomes.</i>
	<i>Role: Collaborator with Primary Investigator Dr. Ahamed Idris, MD</i>
	<i>Total amount and date (direct costs only) \$2,443,349 Jul 2004-Jun 2009</i>

	<i>Grantor: American Academy of Pediatrics Neonatal Resuscitation Program</i>
	<i>Title of Project: A randomized controlled trial of end-tidal CO₂ guided cardiopulmonary resuscitation in an asphyxiated neonatal model</i>
	<i>Role : Principal Investigator</i>
	<i>Total amount and date (direct costs only): Jan 2005-Jan 2006, \$25,000</i>

	<i>Grantor: Thermotek, Inc</i>
	<i>Title of Project: Evaluation of a new body cooling system for induction of therapeutic hypothermia in newborns with hypoxic-ischemic encephalopathy using a piglet model.</i>

	<i>Role</i> : Principal Investigator
	<i>Total amount and date (direct costs only)</i> : Aug 2005 – Dec 2005, \$15,561.

	<i>Grantor</i> : American Academy of Pediatric Neonatal Resuscitation Program Young Investigator Grant
	<i>Title of Project</i> : Randomized controlled trial of endotracheal versus intravenous administration of epinephrine during neonatal cardiopulmonary resuscitation in asphyxiated piglets.
	<i>Role</i> : Co-Investigator (Mentor to Dr. Chad Barber)
	<i>Total amount and date (direct costs only)</i> : Jan 2006-Jan 2007, \$10,000

	<i>Grantor</i> : American Academy of Pediatric Neonatal Resuscitation Program
	<i>Title of Project</i> : The ergonomics of neonatal cardiac compressions.
	<i>Role</i> : Primary Investigator
	<i>Total amount and date (direct costs only)</i> : Jan 2008-Jan 2012, \$71,030

	<i>Grantor</i> : American Academy of Pediatric Neonatal Resuscitation Program Young Investigator Grant
	<i>Title of Project</i> : Effectiveness of plastic head coverings for hypothermia prevention in preterm newborns.
	<i>Role</i> : Co-Investigator (Mentor to Dr. Lilian St. John)
	<i>Total amount and date (direct costs only)</i> : Jan 2009-Dec 2011, \$10,000

	<i>Grantor</i> : North Texas Clinical and Translational Science Initiative (NTCTSI) Grant
	<i>Title of Project</i> : Randomized trial of a limited versus traditional oxygen strategy during resuscitation to prevent oxidative stress in premature newborns.
	<i>Role</i> : Co-Investigator (Mentor to Dr. Vishal Kapadia)
	<i>Total amount and date (direct costs only)</i> : Jun 2010-Jun 2011, \$18,745

	<i>Grantor</i> : Children’s Medical Center Research Foundation (CCRAC) Grant
	<i>Title of Project</i> : Controlled pilot study of asynchronous compression and ventilation cycles versus standard Neonatal Resuscitation Program CPR for resuscitation in a neonatal swine.
	<i>Role</i> : Co-Investigator (Mentor to Dr. Eric Sparks)
	<i>Total amount and date (direct costs only)</i> : Oct 2010-Oct 2011, \$11,723

	<i>Grantor</i> : American Academy of Pediatric Neonatal Resuscitation Program Young Investigator Grant
	<i>Title of Project</i> : Controlled pilot study of asynchronous compression and ventilation cycles versus standard Neonatal Resuscitation Program CPR for resuscitation in a neonatal swine

	<i>Role:</i> Co-Investigator (Mentor to Dr. Eric Sparks)
	<i>Total amount and date (direct costs only):</i> Jan 2011-Jan 2012

	<i>Grantor:</i> Ikaria Investigator Initiated Grant
	<i>Title of Project:</i> Inhaled NO in neonatal asphyxia
	<i>Role:</i> Principal Investigator
	<i>Total amount and date:</i> Nov 2010-Nov 2013, \$119,492

	<i>Grantor:</i> American Academy of Pediatric Neonatal Resuscitation Program Young Investigator Grant
	<i>Title of Project:</i> End-tidal carbon dioxide (ETCO ₂) prediction of return of spontaneous circulation (ROSC) during CPR in asystolic and bradycardic neonates.
	<i>Role:</i> Co-Investigator (Mentor to Dr. Christina Stine)
	<i>Total amount and date (direct costs only):</i> Jan 2013-Dec 2014, \$9,712

	<i>Grantor:</i> National Institute of Health
	<i>Title of Project:</i> NICHD Cooperative Multicenter Neonatal Research Network-5 U10 HD040689
	<i>Role:</i> Primary Investigator
	<i>Total amount and date (direct costs only):</i> Aug 2013-Mar 2016, \$200,000/yr

	<i>Grantor:</i> Texas Regional CTSA Consortium Grant
	<i>Title of Project:</i> Cycled Phototherapy: A safer effective treatment for small premature infants?
	<i>Role:</i> Site Investigator
	<i>Total amount and date (direct costs only):</i> Mar 2016-Feb 2017, \$25,000/yr

	<i>Grantor:</i> American Academy of Pediatric Neonatal Resuscitation Program Young Investigator Grant
	<i>Title of Project:</i> Impact of the 7th Edition NRP Guidelines on Outcomes of Meconium-Exposed Newborns
	<i>Role:</i> Co-Investigator (Mentor to Dr. Britni Maple)
	<i>Total amount and date (direct costs only):</i> Jan 1, 2019-Dec 31, 2019., \$3000/yr

Teaching Activities

Year(s)	Activity
<u>Community</u>	
2003-2006	STARS Program Lecturer-Careers in neonatology (2X/yr)
<u>Nursing/Advanced Practice Nursing</u>	
2000-present	Parkland NICU Nursing Residency Lecturer-Meconium aspiration (2X/year)

2003-2010	Parkland Nurse Mid-Wife Residency Lecturer-Neonatal resuscitation (1X/yr)
2006-2011	Development of curriculum and coordination of a 2 week pediatric transport team curriculum focused on high-risk neonatal resuscitation and triage and stabilization of newborns.
2008-2012	University of Texas at Arlington Neonatal Nurse Practitioner Program Lecturer-Lung Hypoplasia (1X/yr)
2011-present	Parkland and CMC Neonatal Nurse Practitioner Continuing Education Lectures-Evidence Based Medicine and Neonatal Topics (2X/year)
<u>Medical and graduate school didactic and small group teaching</u>	
2000-2014	Friday afternoon 3 rd year medical student conference on newborn physiology (4X/yr)
2000-present	Neonatal Resuscitation Program (NRP) Simulation Courses for 4 th year students (4X/yr)
2001-present	Medical Student Women in Medicine Interest Group Mentor/Lecturer
2006-2010	UTSW 1 st year medical student Embryology Seminar Lecturer
2013-2017	UTSW 4 th year medical student Pediatric Boot Camp Rotation Simulation Seminars
2017-present	UTSW 3 rd year medical student NICU teaching sessions (4X/year)
<u>Dissertation committees</u>	
2007-2011	Anne Lee Solevåg, University of Oslo Neonatal Research Fellow. Department of Pediatrics, Akershus University, University of Oslo and Department of Pediatric Research, Rikshospitalet, UiO. Oslo, Norway. Successfully defended Ph.D. Thesis Dec. 2011. Research Project: Alternative Approaches to Newborn Resuscitation.
<u>Committees concerned with medical and graduate student education</u>	
2001-2013	UTSW Medical School Applicant Interviewer
2001-present	Advisor to UTSW 4 th year Medical Student Pediatric Residency Candidates (1/yr)
2001-2005	UTSW Pediatric Intern Faculty Advisor Program
2003	UTSW Pediatric Residency Review Committee for Pediatric Chairman (Dr. Lister)
2003-present	UTSW Pediatric Intern Selection Core Committee
2003-2007	UTSW Neonatal-Perinatal Fellowship Selection Committee
2006-2014	UTSW Department of Pediatrics Resident Mentorship Program (academic mentor to 5-8 pediatric house officers/yr)
2006-2014	UTSW Pediatric Residency Clinical Competency Committee
2008-present	UTSW Neonatal-Perinatal Fellowship Curriculum Committee
<u>Graduate student rotations</u>	
2000-present	PHHS NICU Rotations (8-12 weeks/yr)
2000-present	PHHS High-risk Neonatal Resuscitation and Stabilization Rotation (4-8 weeks/yr)
2006-2014	CMC NICU Rotations (4 weeks/yr)
<u>Medical student rotations</u>	
2000-present	PHHS NICU Acute Care Rotation for 4 th year medical students (8-12 weeks/yr)
<u>Postgraduate medical education (graduate & continuing medical education)</u>	
2000-present	Development of curriculum and coordination of a 4 week senior pediatric resident curriculum focused on high-risk newborn resuscitation, antenatal parental counseling,

	and triage and stabilization of newborns.
2000-present	Neonatal Resuscitation Program Regional Trainer (119 courses taught at present)
2000-2010	UTSW Pediatric Residency Noon Conference Speaker-Neonatal Topics (2x/yr)
2001- 2014	Co-Director for Evidence Based Medicine Course UTSW Neonatal Fellowship Program Biweekly study of experimental design and analysis
2003-present	Director, Newborn Resuscitation Conference UTSW Neonatal Fellowship Program/Parkland Quality Assurance Biweekly review/critique of current newborn resuscitation cases
2003-present	UTSW Obstetrics/Gynecology Residency Program Lecturer on Neonatal Resuscitation (1-2x/yr)
2005-present	UTSW Maternal/Fetal Medicine Fellowship Program Lecturer-Neonatal Topics (1-2x/yr)
2006-2010	UTSW Pediatrics Department “Resident as Teacher” Workshop Lecturer (1x/yr)
2006-present	UTSW OB/GYN Ultrasound, Prenatal Diagnosis, and Genetics Grand Rounds Faculty Biweekly CME review of recent and upcoming pregnancies with abnormal ultrasound findings and practice implications
2006-present	UTSW Pediatric Emergency Medicine Fellowship Lecturer-Neonatal Resuscitation (1x/yr)
2008-present	Development of curriculum and coordination of a 2 week Emergency Medicine Residency rotation in newborn resuscitation and stabilization.
2009	UTSW GI Fellowship Lecturer-Evidence Based Medicine
2010-2014	Judge for UTSW Senior Pediatric Fellow Research Day Competition
2010-present	UTSW Pediatric Residency NICU Noon Conference Speaker (10x/yr)
2011-2014	Children’s Medical Center of Dallas Senior Pediatric Resident Morning Report Mentor (6x/yr)
2013-2015	UTSW Pediatric Residency Simulation Elective Lecturer (2X/year)
2014-present	UTSW OB Anesthesia Fellowship Lecturer (1X/year)
2014-present	Development of curriculum and coordination of a 4 week OB Anesthesia Fellowship rotation in newborn resuscitation and stabilization
2016-present	Faculty Moderator: Evidence Based Medicine Course UTSW Neonatal Fellowship Program (2X/year). Biweekly study of experimental design and analysis
<u>Postdoctoral trainees</u>	
Research Oversight Committees for Fellows	
2005-2008	Research Oversight Committee Member for Darryl Miao, MD, UTSW Neonatal Fellow. Research Project: Contribution of arginine vasopressin and alpha-agonists to angiotensin II-mediated increases in newborn blood pressure.
2009-2012	Research Oversight Committee Member for Jaclyn LeVan, MD, Neonatal Fellow. Research Project: Delivery Room practice change following the initiation of the NICHD SUPPORT trial.
2010-2013	Research Oversight Committee Member for Ja’Near Anderson, MD, UTSW Neonatal Fellow. Research Project: Relationship between fetal well-being and the use of ephedrine in the treatment of maternal hypotension during delivery: are there

	alternatives?
2012-2015	Research Oversight Committee Member for Imran Mir, MD, UTSW Neonatal Fellow. Research Project: Hypoxia-Ischemia of the fetus prior to birth
2014-2017	Research Oversight Committee Member for Loren Malone, MD, UTSW PICU Fellow Research Project: Simulation in resuscitation education
2015-2018	Research Oversight Committee Member for Lara Pavageau, MD, UTSW Neonatal Fellow. Research Project: Can the neurological exam designed to screen term infants at risk of brain injury for enrollment in neuroprotective therapy be used in late preterm (33-35 weeks gestation) infants?
2015-2018	Research Oversight Committee Member for Natalia Vasco, MD, UTSW Neonatal Fellow. Research Project: Neonatal heart rate determination by ECG in the delivery room.
2016-2019	Research Oversight Committee Member for William Smithheart, MD, UTSW Neonatal Fellow. Research Project: Use of CPAP in the delivery room increases risk of air leak in term infants when used for grunting.
2017-2020	Research Oversight Committee Member for Katherine Best, UTSW PICU Fellow. Research Project: When should infant resuscitation convert from neonatal to pediatric resuscitation algorithms.
Primary Research Mentor for Fellows	
2003-2004	Research Mentor for Lina Chalak, MD, UTSW Pediatric Resident. Research Project: Selective inflammatory cytokine response after asphyxia and volume resuscitation in a neonatal piglet model. Winner of the Young Investigator Award of the AAP Fall 2004 Meeting. Currently Associate Professor of Pediatrics at UTSW.
2004-2007	Research Mentor for Chad Barber, MD, UTSW Neonatal-Perinatal Fellow. Research Project: Evaluation of endotracheal vs. intravenous administration of epinephrine during cardiopulmonary resuscitation in a neonatal piglet model. Received AAP NRP Young Investigator Grant 2005. Currently in private practice in Fort Worth TX.
2007-2010	Research Mentor for Lilian St. John, UTSW Neonatal-Perinatal Fellow. Research Project: Optimization of temperature stabilization during neonatal resuscitation in the delivery room. Received AAP NRP Young Investigator Grant 2008. Currently in private practice in Dallas, TX.
2008-2011	Research Mentor for John Eric Sparks, MD, Neonatal-Perinatal Fellow: Research Project: Asynchronous cardiac compressions and ventilations during neonatal CPR. Received CCRAC Grant 2010. Received AAP NRP Young Investigator Grant 2010. Currently in private practice in Lubbock, TX.
2008-2011	Research Mentor for Vishal Kapadia, MD, Neonatal-Perinatal Fellow: Research Project: Use of oxygen during neonatal resuscitation. Received NIH-funded North Texas Clinical and Translational Science Initiative (NTCTSI) Grant 2010. Winner of PAS Young Investigator Travel Award 2010. Currently Assistant Professor of Pediatrics at UTSW.
2011-2014	Research Mentor for Catherine Stine, MD, Neonatal-Perinatal Fellow: Research Project: End-tidal carbon dioxide (ETCO ₂) prediction of return of spontaneous circulation (ROSC) during CPR in asystolic and bradycardic neonates. Received NRP Young Investigator Grant 2013. Currently in private practice in Columbus, OH.

2013-2016	Research Mentor for Cecilie Halling, MD, Neonatal-Perinatal Fellow: Research Project: National trends in neonatal CPR using the AHA “Get with the Guidelines” database. Currently Assistant Professor of Pediatrics at The Ohio State University, Nationwide Hospital, Columbus, OH.
2016-2019	Research Mentor for Britni Bradshaw, MD, Neonatal-Perinatal Fellow: Research Project: Impact of changes in meconium management for non-vigorous newborns in the delivery room.
Research Mentorship for Junior Faculty	
2013-2015	Research Mentor for Vishal Kapadia, UTSW Assistant Professor, UTSW Clinical Scholar Program. Received AAP NRP Research Grant 2014. Received Master’s in Clinical Research in 2015.
2014-present	Research Mentor for Elizabeth Foglia, Children’s Hospital of Philadelphia Assistant Professor K23 application. PAS Young Investigator Mentorship Program Mentor.
2014-present	Research Mentor for Nicole Yamada, MD Stanford University Assistant Professor, K23 application.
2014-2016	Academic Progress Committee for Tim McCavitt, MD, UTSW Assistant Professor, Pediatric Hematology-Oncology on Clinical Scholar Track

Invited Lectures

Year(s)	Title	Location
<u>International</u>		
2006	2005/2006 Changes in the ILCOR and AAP NRP guidelines. Pediatric Research Department, Rikshospital, University of Oslo, Norway.	
2006	Randomized trials of volume infusion and ETT epinephrine during resuscitation of asphyxiated neonatal piglets. Pediatric Research Department, Rikshospital, University of Oslo, Norway.	
2007	Delivery room resuscitation of preterm infants: Is there evidence for use of epinephrine? Society for Pediatric Research. Toronto, Ontario, Canada.	
2007	Hemodynamic aspects of neonatal resuscitation following cardiovascular collapse from asphyxia. Japanese Society of Perinatal and Neonatal Medicine, Tokyo, Japan.	
2007	The hemodynamics of neonatal CPR. Saitama Medical University, Kawagoe, Japan.	
2008	Evidence for cardiac compressions during neonatal resuscitation. ILCOR. Ghent, Belgium.	
2008	Use of simulation for neonatal resuscitation education. Simulation Use Network Meeting. Ottawa, Canada.	
2010	Impact of delivery room CPR on the outcome of preterm infants. Neonatal Resuscitation Research Workshop. Sponsored by the National Health and Medical Research Council Centers of Clinical Research Excellence in Newborn Medicine of Australia. Vancouver, Canada.	
2013	Evidence for use of oxygen during neonatal CPR. ILCOR. Sydney, Australia.	
2014	Evidence for compression to ventilation ratios during neonatal CPR. ILCOR. Banff, Canada	
2014	Chest Compressions in Newborn Babies. University of Alberta, Edmonton, Canada	

2014	Neonatal resuscitation guidelines versus the reality of the delivery room. Norwegian Perinatal Society. Trondheim, Norway
2014	Are sustained inflations during compressions the answer? Norwegian Perinatal Society Meeting, Trondheim, Norway
2015	The asphyxic, bradycardic, and apneic infant; what should we do? 2 nd Neonatal Resuscitation Symposium, University of Alberta, Edmonton, Canada
2016	Assessing heart rate in the delivery room: state of the art. 6 th International Symposium on Neonatal Resuscitation, Belo Horizonte, Brazil
2016	CPR: from animals and manikins to human neonates at birth? 6 th International Symposium on Neonatal Resuscitation, Belo Horizonte, Brazil
2016	Medication in the delivery room: what to do and what not to do. 6 th International Symposium on Neonatal Resuscitation, Belo Horizonte, Brazil
2016	2015 neonatal resuscitation guidelines overview and update. 3 rd Neonatal Congress of Argentina, Buenos Aires, Argentina
2016	State of the art science to support neonatal cardiac compressions and medications. 3 rd Neonatal Congress of Argentina, Buenos Aires, Argentina
2016	Delivery room stabilization of the ELBW infant. 3 rd Neonatal Congress of Argentina, Buenos Aires, Argentina
2016	Delivery room resuscitation of the ELGAN infant. Queen Mary Hospital Pediatric Grand Rounds, University of Hong Kong, Hong Kong, China
2016	2015 neonatal resuscitation guidelines. Hong Kong University-Shenzhen Hospital 2016 Neonatal Transition Summit: From Baby to Family. Shenzhen, China
2016	2016 NRP Gentle to Hard Workshop. Hong Kong University-Shenzhen Hospital 2016 Neonatal Transition Summit: From Baby to Family. Shenzhen, China
2017	ILCOR Consensus on Science with Treatment Recommendation (CosSTR)-What are we looking at next? Australian Resuscitation Council Spark of Life Meeting. Adelaide Australia
2017	Resuscitation of ELBW Infants: State of the Art or State of Confusion? 25 th Annual Middlesbrough Neonatal Conference, Middlesbrough, England.
2017	Oxygen Use During Neonatal Delivery Room Stabilisation. 25 th Annual Middlesbrough Neonatal Conference, Middlesbrough, England.
2017	Neonatal CPR: What's the Science and Should We Even Do It? 25 th Annual Middlesbrough Neonatal Conference, Middlesbrough, England.
2017	Neonatal Resuscitation Simulation Workshop. 3 rd Biennial United South African Neonatal Association Conference, Johannesburg, South Africa.
2017	Cutting edge delivery room practice in 2017. 3 rd Biennial United South African Neonatal Association Conference, Johannesburg, South Africa.
2017	Advances in thermoregulation. 3 rd Biennial United South African Neonatal Association Conference, Johannesburg, South Africa.
2018	Neonatal CPR: What's the science and should we even do it? New Zealand Resuscitation Council NZ Resus-2018 Conference. Wellington, New Zealand.
2018	State of the art science in support of medications during neonatal resuscitation. New Zealand Resuscitation Council NZ Resus-2018 Conference. Wellington, New Zealand.
2018	Resuscitation events in critically ill infants and children. Pediatric Academic Societies Meeting. Toronto, Canada.
2018	Resuscitation, delivery room care, golden minutes. 7 th International Conference on

	Clinical Neonatology. Turin, Italy.
2018	International Liaison Committee on Resuscitation (ILCOR): Preparing for New Neonatal Resuscitation Guidelines. 54th Annual Congress of Japanese Society of Perinatal and Neonatal Medicine, Tokyo, Japan
2018	Effect of therapeutic hypothermia initiated after 6 hours of age on death and disability among newborns with hypoxic ischemic encephalopathy: A randomized clinical trial. European Resuscitation Council Meeting 2018. Bologna, Italy.
<u>National</u>	
2003	Use of naloxone in the delivery room. Neonatal ILCOR Evidence Evaluation Meeting. Washington, DC.
2004	Randomized trial of volume infusion during resuscitation of asphyxiated neonatal piglets. NRP Symposium at AAP Meeting. San Francisco, CA.
2005	Administration of endotracheal medications in the delivery room. International Consensus on Cardiopulmonary and Emergency Cardiovascular Care Science and Treatment Recommendations Conference. ILCOR. Dallas, TX.
2005	Administration of naloxone in the delivery room. International Consensus on Cardiopulmonary and Emergency Care Science and Treatment Recommendations Conference. ILCOR. Dallas, TX
2007	Randomized controlled trial of end-tidal CO ₂ guided cardiopulmonary resuscitation in an asphyxiated neonatal model. NRP Current Issues Seminar at the AAP NCE Meeting, San Francisco, CA.
2007	APLS: The Pediatric Emergency Medicine Course. American Academy of Pediatrics NCE. San Francisco, CA.
2007	Drugs in the delivery room. Do we need any? Critical Care Symposium 2007. Cincinnati Children's Hospital Medical Center. Cincinnati, OH.
2008	Thermal management in the DR-evidence and practice. NEO-The Conference for Neonatology. Lake Buena Vista, FL.
2008	Use and efficacy of epinephrine during neonatal resuscitation. Neonatal Resuscitation Research Workshop. Sponsored by the Royal Women's Hospital, Carlton Victoria, Australia. Honolulu Hawaii
2008	Chest compressions and medications during delivery room resuscitation: Current controversial issues. New Concepts in Neonatal Intensive Care. Columbia University. NYC, NY.
2008	Neonatal resuscitation in the delivery room: What's new from a respiratory standpoint. 32nd International Neonatology Conference-Neonatology 2008. University of Miami Miami, FL.
2008	Critical hemodynamics of neonatal CPR. 32nd International Neonatology Conference-Neonatology 2008. University of Miami. Miami, FL.
2008	Medications for neonatal resuscitation in the delivery room-evidence and practice. 32nd International Neonatology Conference-Neonatology 2008. University of Miami. Miami, FL.
2008	Workshop-Delivery room stabilization of the ELBW infant. 32nd International Neonatology Conference-Neonatology 2008. University of Miami. Miami, FL.
2009	What's new with oxygen and pulse oximetry. NRP Current Issues Seminar. 2009 NCE AAP. Washington DC.
2009	Workshop-Basic simulation set-up, facilitation and debriefing. NRP Current Issues

	Seminar. 2009 NCE AAP. Washington DC.
2009	Critical hemodynamics of neonatal CPR. 75th Perinatal and Developmental Medicine Symposium. Marco Island, FL.
2009	Impact of delivery room CPR on the outcome of preterm infants. 75th Perinatal and Developmental Medicine Symposium. Marco Island, FL.
2010	In neonates receiving chest compressions (P), do other ratios (5:1, 15:2) (I) versus 3:1 (C) improve outcomes (O)? International Consensus on Cardiopulmonary and Emergency Cardiovascular Care Science and Treatment Recommendations Conference. ILCOR. Dallas, TX.
2010	For newborns receiving chest compressions (P) does the use of a two thumb technique (I) as opposed to a two finger technique (C) improve outcome (O)? International Consensus on Cardiopulmonary and Emergency Cardiovascular Care Science and Treatment Recommendations Conference. ILCOR. Dallas, TX.
2010	Neonatal Resuscitation: Airway/Breathing. NeoPREP Conference. Newport Beach, CA.
2010	Neonatal Resuscitation: Compressions/Drugs. NeoPREP Conference. Newport Beach, CA.
2010	Workshop-Basic simulation set-up and facilitation. NRP Current Issues Seminar. 2010 NCE AAP. San Francisco, CA.
2010	Delivery room management and initial stabilization of the ELBW infant. 2010 NCE AAP. San Francisco, CA.
2011	2011 Neonatal resuscitation guidelines: The physiologic basis of cardiac compressions and cardiac stimulants. Pediatric Academic Society. Denver, CO.
2011	2011 Scientific updates for instructors. American Academy of Pediatrics Neonatal Resuscitation Program National Webinar. (Presented twice)
2011	Effectiveness of plastic lined hats for prevention of hypothermia in premature newborns in the delivery room. 2011 NCE AAP. Boston, MA.
2011	Chest Compressions-Why is the Newborn Unique? 2011 NCE AAP. Boston, MA.
2011	Roll Up Your Sleeves and Practice NRP. 2011 NCE AAP. Boston, MA.
2011	Cardiovascular Support in the Delivery Room-Can We Do It Better? 2011 NCE AAP. Boston, MA.
2011	Advances in Neonatal Respiratory Care Workshop. Delivery Room Care. 35th Miami Neonatology 2011 Annual International Conference. University of Miami. Miami Beach, FL.
2011	Impact of Delivery Room CPR on the Outcome of Preterm Infants. 35th Miami Neonatology 2011 Annual International Conference. University of Miami. Miami Beach, FL.
2011	Changes in the 2011 NRP Guidelines. 35th Miami Neonatology 2011 Annual International Conference. University of Miami. Miami Beach, FL.
2011	How to Use Evidence Based Medicine Review to Build a Career in Neonatology. Neonatal Fellow's Noon Conference Children's Mercy Hospital, Kansas City, MO.
2011	NRP Update I: Temperature Stabilization and Airway Management. 2011 Clinical Advances in Pediatrics. Children's Mercy Hospital, Kansas City, MO
2011	NRP Update II: CPR and Medications. 2011 Clinical Advances in Pediatrics. Children's Mercy Hospital, Kansas City, MO.
2012	Neonatal Resuscitation. 2012 NeoPREP Conference. New Orleans, LA.

2012	Sure fire strategies for creating an engaging NRP course: Simulation tips from the experts. American Academy of Pediatrics Neonatal Resuscitation Program National Webinar. (Presented twice)
2012	Pump work: The “C” in CPR: Evidence on epinephrine and chest compressions. Neonatal Resuscitation Program Current Issues Seminar: Putting it All Together, 2012 NCE AAP, New Orleans, LA.
2012	Be an avatar-hands-on simulation. Neonatal Resuscitation Program Current Issues Seminar, 2012 NCE AAP, New Orleans, LA.
2013	Delivery room and initial management of the periviable neonate. NICHD Periviable Birth: Obstetrical and Neonatal Considerations Workshop. 2013 SMFM, San Francisco, CA.
2013	Synchronized versus asynchronous cardiac compressions during resuscitation of asphyxiated, asystolic neonatal pigs. 3 rd Neonatal Resuscitation Research Workshop. Sponsored by the Monash University, Melbourne Australia. The Bolger Center, MD
2013	Changes in the 2012 Neonatal Resuscitation Program recommendations. 27 th Annual Conference of Southeastern Association of Neonatologists. Marco Island, FL.
2013	Hot topics (unanswered questions) in neonatal resuscitation. 27 th Annual Conference of Southeastern Association of Neonatologists. Marco Island, FL.
2013	NRP 2013 Simulation breakout session. Neonatal Resuscitation Program Current Issues Seminar, 2013 NCE AAP, Orlando, FL.
2013	Reflections on a silver anniversary-25 years of AAP/AHA collaboration on resuscitation science and education for neonatal resuscitation. Resuscitation Science Symposium. 2013 American Heart Association Scientific Sessions. Dallas, TX.
2014	Asphyxia and resuscitation. 2014 NeoPREP Conference. San Diego, CA.
2014	Update on NRP. 2014 NeoPREP Conference. San Diego, CA.
2014	Resuscitation of the severely asphyxiated newborn. Wayne State University. Detroit, MI
2014	Finding the holes in the evidence: development of an academic career. Wayne State University. Detroit, MI.
2014	Update on the International Liaison Committee on Resuscitation. 2014 NCE AAP, San Diego, CA.
2014	NRP of 2050. 2014 NCE AAP, San Diego, CA.
2014	Cutting edge delivery room practice. Hot Topics. Washington DC.
2015	Evidence for use of oxygen during neonatal CPR. ILCOR C2015 Conference. Dallas, TX
2015	Evidence for compression to ventilation ratios during neonatal CPR. ILCOR C2015 Conference. Dallas, TX
2015	Use and efficacy of lower versus higher endotracheal epinephrine during neonatal cardiopulmonary resuscitation in the delivery room. 4 th Neonatal Resuscitation Research Workshop. Sponsored by the Monash University, Melbourne Australia. San Diego, CA.
2015	The International Liaison Committee on Resuscitation (ILCOR) process for evidence based review and the role of public comment. Neonatal Resuscitation Program Current Issues Seminar 2015 NCE AAP, Washington DC.
2015	Your Scenario Begins Now: Case Demonstration of the New Science. Neonatal Resuscitation Program Current Issues Seminar 2015 NCE AAP, Washington DC

2015	Delivery room management-the golden minutes. 39th Miami Neonatology 2011 Annual International Conference. University of Miami. Miami Beach, FL.
2015	Use of monitoring in the delivery room. 39th Miami Neonatology 2011 Annual International Conference. University of Miami. Miami Beach, FL.
2015	2015 New neonatal resuscitation guidelines. 39th Miami Neonatology 2011 Annual International Conference. University of Miami. Miami Beach, FL.
2015	2015 International Liaison Committee on Resuscitation (ILCOR): Highlights of the new recommendations for neonatal resuscitation. Hot Topics. Washington DC
2016	State of the art resuscitation and physiology. 2016 NeoPREP Conference. Atlanta, GA.
2016	What is the NRP research grant program? 2016 NCE AAP, San Francisco , CA.
2017	The science behind neonatal delivery room CPR. 2017 Neonatal Nutrition Conference. Albany Medical College. Tarrytown, NY.
2017	Delivery room stabilization of the ELBW infant: The golden minute. 2017 Neonatal Nutrition Conference. Albany Medical College. Tarrytown, NY.
2018	Asphyxia and resuscitation. 2018 NeoPREP Conference. Atlanta, GA.
2018	Exploring ethical dilemmas-genetic testing and care of infants with congenital anomalies. 2018 NeoPREP Conference. Atlanta, GA.
2018	Current controversies in the delivery room. 2018 NeoPREP Conference. Atlanta, GA.
2018	Grading the quality and strength of the evidence. How ILCOR utilizes GRADE to formulate international resuscitation guidelines. Cochrane Neonatal Webinar, Mar 28, 2018.
2018	Moderator for 2018 Hot Topics Meeting Session “Golden Hour Pulmonary Management” Washington DC, Dec 3, 2018.
<u>Regional/Local</u>	
2004	Controversies in newborn resuscitation. UTSW Pediatric Grand Rounds. Dallas, TX.
2006	Neonatal Resuscitation Program 2006: Understanding the new AAP/AHA guidelines. Texas Pediatric Society Meeting, Dallas, TX.
2007	Critical hemodynamics of neonatal cardiopulmonary resuscitation. UTSW Symposium honoring Charles Rosenfeld, MD. Dallas, TX.
2008	Respiratory management during neonatal resuscitation in the delivery room. Texas Society for Respiratory Care. Collin County Community College, Plano, TX.
2009	Critical hemodynamics of neonatal CPR. Pediatric Grand Rounds. University of Oklahoma Health Sciences Center. OKC, OK.
2010	Prevention of hypothermia for the preterm infant in the delivery room. 2010 South Central Conference on Perinatal Research. Austin, TX.
2011	Neonatal Resuscitation Program 2011: Changes and controversies. 5th Neonatology "Current Concepts and Footsteps for the Future" Conference. Scott and White Hospital, Temple, TX.
2012	Full Throttle NRP-NRP Workshop. 6 th Scott and White Annual Neonatal (SWAN) Conference. Scott and White Hospital, Temple, TX.
2013	Resuscitation of the Severely Asphyxiated Baby: A Case Study. 7 th Scott and White Annual Neonatal (SWAN) Conference. Scott and White Hospital, Temple, TX.

2013	Continuing controversies in neonatal resuscitation. Changing Seasons in Neonatology Conference. University of Oklahoma Medical Center. Oklahoma City, OK.
2013	Very low birth weight infants who receive resuscitation at delivery. Changing Seasons in Neonatology Conference. University of Oklahoma Medical Center. Oklahoma City, OK.
2014	Resuscitation of the severely asphyxiated newborn. Children's Medical Center Grand Rounds, Dallas, TX
2014	The critical role of the respiratory therapist during neonatal resuscitation: effective ventilation is the key to success. Children's Medical Center Respiratory Care Conference, Dallas, TX
2014	Controversies in the algorithm for resuscitation of periviable neonates. Southern Gynecologic Association Meeting, Dallas, TX
2015	2016: 7 th edition NRP Changes. Pediatrix Neonatology Group. San Antonio, TX.
2016	2016: 7 th edition NRP Changes. Pediatrix Neonatology Group. Dallas, TX.
2017	What's going on over there at the radiant warmer? Delivery room neonatal resuscitation for the OB/Gyn and obstetrical staff. UT Southwestern OB/GYN Grand Rounds, Dallas, TX.

Service to the Community

Year(s)	Role	Organization or institution
2004-2007	NICU Family Support Project Advisory Board	March of Dimes Parkland

Bibliography

Peer-Reviewed Publications

Original Research Articles

1.	Wyckoff MH , Chambliss KL, Mineo C, Yuhanna IS, Mendelsohn ME, Mumby SM, Shaul PW. Plasma membrane estrogen receptors are coupled to eNOS through G _{αi} . J Biol Chem 2001;276:27071-76.
2.	Wyckoff MH , Perlman JM. Effective ventilation and temperature control are vital to outborn resuscitation. Prehosp Emerg Care 2004;8:191-5.
3.	Salhab WA, Wyckoff MH , Laptok AR, Perlman JM. Initial hypoglycemia and neonatal brain injury in term infants with severe fetal acidemia. Pediatrics 2004; 114:361-6.
4.	Wyckoff MH , Perlman JM, Laptok AR. Use of volume expansion during delivery room resuscitation in near-term and term infants. Pediatrics 2005;115:950-5.
5.	Barber CA, Wyckoff MH . Endotracheal versus intravenous epinephrine during neonatal cardiopulmonary resuscitation in the delivery room. Pediatrics 2006; 118:1028-34.
6.	Wyckoff MH , Garcia D, Perlman JM, Laptok AR. Randomized trial of volume infusion during resuscitation of asphyxiated neonatal piglets. Pediatric Res 2007; 61: 415-20.

7.	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. <i>Journal of Neonatal-Perinatal Medicine</i> 2008; 1:69-75 .
8.	Cover J, Popek E, Wyckoff MH , Leos NK, Rogers BB. Enterovirus is not present in placentas from cases of perinatal depression using PCR analysis. <i>Pediatr Dev Pathol</i> 2009; 12:177-179.
9.	Solevag AL, Dannevig I, Wyckoff MH , Saugstad OD, Nakstad B. Extended series of cardiac compressions during CPR in a swine model of perinatal asphyxia. <i>Resuscitation</i> 2010; 81: 1571-1576.
10.	Dannevig I, Solevag AL, Wyckoff MH , Saugstad OD, Nakstad B. Delayed onset of cardiac compressions in cardiopulmonary resuscitation of newborn pigs with asphyctic cardiac arrest. <i>Neonatology</i> 2011;99:153-162.
11.	Christman C, Hemway RJ, Wyckoff MH , Perlman JM. The two-thumb is superior to the two-finger method for administering chest compressions in a manikin model of neonatal resuscitation. <i>Arch Dis Child Fetal Neonatal Ed</i> 2011;96:F99-F101.
12.	Chalak LF, Barber CA, Hynan L, Garcia D, Christie L, Wyckoff MH . End-tidal CO ₂ detection of an audible heart rate during neonatal cardiopulmonary resuscitation following asystole in asphyxiated piglets. <i>Pediatric Res</i> 2011;69:401-405.
13.	Solevag AL, Dannevig I. Wyckoff MH , Saugstad OD, Nakstad B. Return of spontaneous circulation with compression:ventilation ratio 15:2 versus 3:1 in newborn pigs with cardiac arrest due to asphyxia. <i>Arch Dis Child Fetal Neonatal Ed</i> 2011;96:F417-F421.
14.	Wyckoff MH , Salhab WA, Heyne RJ, Kendrick DE, Stoll BJ, Laptook AR. Outcome of extremely low birth weight infants who received delivery room cardiopulmonary resuscitation. <i>J Pediatr</i> 2012;160:239-244.
15.	Østerholt HCD, Dannevig I, Wyckoff MH , Liao J, Akgul Y, Ramgopal M, Mija DS, Cheong N, Longoria C, Mahendroo M, Nakstad B, Saugstad OD , Savani RS. Antioxidant protects against increases in low molecular weight hyaluronan and inflammation in asphyxiated newborn pigs resuscitated with 100% oxygen. <i>PLoS One</i> . 2012;7:e38839.
16.	LeVan JM, Wyckoff MH , Heyne R, Sánchez, PJ, Chalak LF, Jaleel MA, Burchfield PJ, Christie L, Soll R, Badger G, Brion LP. Change in care among non-enrolled patients during and after a randomized controlled trial. <i>Pediatrics</i> 2013;132:e960-970.
17.	Kapadia V, Chalak LF, DuPont T, Christy L, Burchfield PJ, Brion LP, Wyckoff MH . Exposure to hyperoxemia within the first hour of life in neonates with perinatal asphyxia is associated with development of moderate to severe hypoxic ischemic encephalopathy. <i>J Pediatr</i> 2013;163:949-954.
18.	Kapadia VS, Chalak LF, Sparks JE, Allen J, Savani RC, Wyckoff MH . Randomized Trial of a Limited versus Traditional O ₂ Strategy for Resuscitation of Preterm Neonates. <i>Pediatrics</i> 2013;132:e1488-1496.
19.	LeVan JM, Brion LP, Wrage L, Gantz M, Wyckoff MH , Sánchez, PJ, Heyne R, Jaleel MA, Finer N, Carlo WA, Das A, Stoll B, Higgins R. Change in practice after the surfactant, positive pressure and oxygenation randomized trial. <i>Arch Dis Child Fetal Neonatal Ed</i> 2014; 99:F386-F390.
20.	Handley S, Sun Y, Wyckoff MH , Lee H. Outcomes of extremely preterm infants after delivery room cardiopulmonary resuscitation in a population-based cohort. <i>J Perinatol</i> 2015; 35:379-383.
21.	Motta C, Scott W, Mahony L, Koch J, Wyckoff MH , Reisch J, Burchfield P, Brion LP. The Association of congenital heart disease with necrotizing enterocolitis in preterm infants: A birth cohort study. <i>J Perinatol</i> 2015; 35: 949-953.
22.	Stoll BJ, Hansen NI, Bell EF, Walsh MC, Carlo WA, Shankaran S, Laptook AR, Sanchez PJ,

	Van Meurs KP, Wyckoff M , Das A, et al. Trends in care practices, morbidity, and mortality of extremely preterm neonates, 1993-2012. <i>JAMA</i> 2015;314(10): 1039-1051.
23.	Duryea EL, Nelson DB, Wyckoff MH , Grant EN, Tao W, Sadana N, Chalak LF, McIntire DD, Leveno KJ. The impact of ambient operating room temperature on neonatal and maternal hypothermia and associated morbidities: A randomized controlled trial. <i>AJOG</i> 2016;214(4): 505.e1–505.e7.
24.	Boghossian NS, Hansen NI, Bell EF, Brumbaugh JE, Stoll BJ, Laptook AR, Shankaran S, Wyckoff MH , Colaizy TT, Das A, Higgins RD et al. Outcomes of extremely preterm infants born to insulin-dependent diabetic mothers. <i>Pediatrics</i> 2016;137(6).
25.	Halling C, Sparks JE, Christie L, Wyckoff MH . Use and efficacy of lower versus higher doses of endotracheal epinephrine during neonatal cardiopulmonary resuscitation in the delivery room. <i>J Pediatr</i> 2017;185:232-236.
26.	Vali P, Chandrasekharan P, Rawat M, Gugino S, Koenigsnecht C, Helman J, Jusko WJ, Mathew B, Berkelhamer S, Nair J, Wyckoff MH , Lakshminrusimha S. Evaluation of Timing and Route of Epinephrine in a Neonatal Model of Asphyxial Arrest. <i>J Am Heart Assoc</i> ;2017;6(2).
27.	Watterberg KL, Fernandez E, Walsh MC, Truog WE, Stoll BJ, Sokol GM, Kennedy KA, Fraga MV, Beauman SS, Carper B, Das A, Duncan AF, Buss WF, Gauldin C, Lacy CB, Sanchez PJ, Chawla S, Lakshminrusimha S, Cotten CM, Van Meurs KP, Poindexter BB, Bell EF, Carlo WA, Devaskar U, Wyckoff MH , Higgins RD. Barriers to enrollment in a randomized controlled trial of hydrocortisone for cardiovascular insufficiency in term and late preterm newborn infants. <i>J Perinatol</i> . 2017;37(11):1220-1223.
28.	Vali P, Chandrasekharan P, Munmun R, Gugino S, Koenigsnecht C, Helman J, Mathew B, Berkelhamer S, Nair J, Wyckoff MH , Lakshminrusimha S. Hemodynamics and gas exchange during chest compressions in neonatal resuscitation. <i>PLoS One</i> . 2017;12(4):e0176478.
29.	Boghossian NS, Do BT, Bell EF, Dagle JM, Brumbaugh JE, Stoll BJ, Vohr BR, Das A, Shankaran S, Sanchez PJ, Wyckoff MH , Ball MB, Higgins RD et al. Efficacy of pharmacologic closure of patent ductus arteriosus in growth restricted extremely preterm infants. <i>Early Hum Dev</i> 2017. 113:10-17.
30.	Puopolo KM, Mukhopadhyay S, Hansen NI, Cotton CM, Stoll BJ, Sanchez PJ, Bell EF, Das A, Hensman AM, Van Meurs KP, Wyckoff MH , on behalf of the NICHD Neonatal Research Network. Identification of Extremely Premature Infants at Low Risk for Early-Onset Sepsis. <i>Pediatrics</i> 2017; 140:e20170925.
31.	Kapadia VS, Lal CV, Kakkilaya V, Brown S, Heyne R, Savani RC, Wyckoff MH . Impact of the Neonatal Resuscitation Program Recommended Low Oxygen Strategy on Outcomes of Preterm Infants. <i>J Pediatr</i> . 2017;191:35-41.
32.	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 ID, Guillet R, Devaskar U, Truog WE, Chock VY, Wyckoff MH , McGowan EC, Carlton DP, Harmon HM, Brumbaugh JE, Cotton CM, Sanchez PJ, Hibbs AM, Higgins RD, for the Eunice Kennedy Shriver National Institute of Child, Health Human Development Neonatal Research, Network. Effect of Therapeutic Hypothermia Initiated After 6 Hours of Age on Death or Disability Among Newborns With Hypoxic-Ischemic Encephalopathy: A Randomized Clinical Trial. <i>JAMA</i> . 2017;318(16):1550-1560.
33.	Perkins GD, Neumar R, Monsieurs KG, Lim SH, Castren M, Nolan JP, Nadkarni V,

	Montgomery B, Steen P, Cummins R, Chamberlain D, Aickin R, de Caen A, Wang TL, Stanton D, Escalante R, Callaway CW, Soar J, Olasveengen T, Maconochie I, Wyckoff M , Greif R, Singletary EM, O'Connor R, Iwami T, Morrison L, Morley P, Lang E, Bossaert L. The International Liaison Committee for Resuscitation-Review of the last 25 years and vision for the future. <i>Resuscitation</i> . 2017;121:104-116.
34.	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 for the Eunice Kennedy Shriver National Institute of Child, Health Human Development Neonatal Research Network. Neurodevelopmental and behavioral outcomes of extremely premature neonates with ventriculomegaly in the absence of periventricular-intraventricular hemorrhage. <i>JAMA Pediatr</i> . 2018;172(1):32-42.
35.	Laptook AR, Bell EF, Shankaran S, Boghossian NS, Wyckoff MH , Kandefor S, Walsh M, Saha S, Higgins R for the Generic and Moderate Preterm Subcommittees of the, NICHD Neonatal Research Network. Admission temperature and associated mortality and morbidity among moderately and extremely preterm infants. <i>J Pediatr</i> . 2018;192:53-59 e52.
36.	Bajaj M, Natarajan G, Shankaran S, Wyckoff M , Laptook AR, Bell EF et al. Delivery room resuscitation and short-term outcomes in moderately preterm infants. <i>J Pediatr</i> . 2018;195:33-38 e32.
37.	Sarkar S, Shankaran S, Barks J, Do BT, Laptook AR, Das A, Ambalavanan N, Van Meurs K P, Bell EF, Sanchez PJ, Hintz SR, Wyckoff MH , Stoll BJ, Carlo WA, for the Eunice Kennedy Shriver National Institute of Child, Health Human Development Neonatal Research, Network. Outcome of preterm infants with transient cystic periventricular leukomalacia on serial cranial imaging up to term equivalent age. <i>J Pediatr</i> . 2018;195:59-65 e53.
38.	Welsford M, Nishiyama C, Shortt C, Isayama T, Dawson JA, Weiner G, Roehr CC, Wyckoff MH , Rabi Y on behalf of the International Liaison Committee on Resuscitation Neonatal Life Support Task Force. Initial oxygen use for term newborn resuscitation: A systematic review with meta-analysis. <i>Pediatrics</i> . 2019;143(1). DOI:10.1542/peds.2018-1825.
39.	Welsford M, Nishiyama C, Shortt C, Weiner G, Roehr CC, Isayama T, Dawson JA, Wyckoff MH , Rabi Y on behalf of the International Liaison Committee on Resuscitation Neonatal Life Support Task Force. Initial oxygen use for preterm newborn resuscitation: a systematic review with meta-analysis. <i>Pediatrics</i> . 2019;143(1). DOI:10.1542/peds.2018-1828.
40.	Brumbaugh JE, Sridhar A, Bell , Hansen NI, Carlo WA, Hintz SR, Vohr BR, Colaizy TT, Duncan AF, Wyckoff MH , Baack ML, Rysavy MA, DeMauro SB, Stoll BJ, Das A, Higgins RD, for the NICHD Neonatal Research Network. The tiniest babies: Outcomes of infants with birth weight less than 400g. <i>JAMA Pediatrics on-line</i> Mar 25, 2019. DOI:10.1001/jamapediatrics.2019.0180
41.	Strand M, Simon W, Wyllie J, Wyckoff MH , Weiner G. Consensus Outcome Rating for International Neonatal Resuscitation Guidelines. <i>Archives of Disease in Childhood Fetal and Neonatal Ed</i> . Accepted Feb 2019. In Press.
42.	Natarajan G, Shankaran S, Nolen TL, Sridhar A, Kennedy KA, Hintz SR, Phelps DL, Demauro SB, Carlo WA, Gantz MG, Das A, Greenberg RG, Younge NE, Bliss JM, Seabrook R, Sanchez PJ, Wyckoff MH , Bell EF, Vohr BR, Higgins RD. Neurodevelopmental Outcomes of Preterm Infants with Retinopathy of Prematurity by Treatment. <i>Pediatrics</i> . Accepted Apr 2019. In Press.

Original Research Collaboration for NICHD Neonatal Research Network Studies (Boiler plate attribution)

1.	Shankaran S; Lptook 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; Huitema CM; Garg M; Ehrenkranz RA; Shepherd EG; Chalak LF; Hamrick SE; Khan AM; Reynolds AM; Laughon MM; Truog WE; Dysart KC; Carlo WA; Walsh MC; Watterberg KL; Higgins RD; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Effect of depth and duration of cooling on deaths in the NICU among neonates with hypoxic ischemic encephalopathy: a randomized clinical trial. JAMA. 2014 Dec 24-31;312(24):2629-39.
2.	Boghossian NS; McDonald SA; Bell EF; Carlo WA; Brumbaugh JE; Stoll BJ; Lptook AR; Shankaran S; Walsh MC; Das A; Higgins RD; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Association of Antenatal Corticosteroids with Mortality, Morbidity, and Neurodevelopmental Outcomes in Extremely Preterm Multiple Gestation Infants. 2016;170(6):593.
3.	Archer SW; Carlo WA; Truog W; Donovan EF; Stevenson DK; Sanchez PJ; Das A; Van Meurs KP; Goldberg RN; Devaskar U; Nelin LD; Petrie Huitema CM; Higgins RD; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Improving publication rates in a collaborative clinical trials research network. Semin Perinatol. 2016; 40(6): 410-417.
4.	Pedroza C; Tyson JE; Das A; Lptook A; Bell EF; Shankaran S; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Advantages of Bayesian monitoring methods in deciding whether and when to stop a clinical trial: an example of a neonatal cooling trial. Trials. 2016 Jul 22;17(1):335.
5.	Walsh MC, Bell EF, Kandefer S, et al. Neonatal outcomes of moderately preterm infants compared to extremely preterm infants. <i>Pediatr Res</i> . 2017. Accepted.
6.	Travers CP, Clark RH, Spitzer AR, Das A, Garite TJ, Carlo WA. Exposure to any antenatal corticosteroids and outcomes in preterm infants by gestational age: prospective cohort study. <i>BMJ</i> . 2017;356:j1039.
7.	Greenberg RG, Kandefer S, Do BT, et al. Late-onset Sepsis in Extremely Premature Infants: 2000-2011. <i>Pediatr Infect Dis J</i> . 2017;36(8):774-779.
8.	James J, Munson D, DeMauro SB, et al. Outcomes of Preterm Infants following Discussions about Withdrawal or Withholding of Life Support. <i>J Pediatr</i> . 2017;190:118-123.e4.
9.	Travers CP, Carlo WA, McDonald SA, et al. Mortality and pulmonary outcomes of extremely preterm infants exposed to antenatal corticosteroids. <i>Am J Obstet Gynecol</i> . 2018;218(1):130 e131-130 e113.
10.	Brumbaugh JE, Colaizy TT, Saha S, Van Meurs KP, Das A, Walsh MC, Bell EF; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Oral feeding practices and discharge timing for moderately preterm infants. <i>Early Hum Dev</i> . 2018;120:46-52.
11.	Chawla S, Natarajan G, Chowdhury D, Das A, Walsh M, Bell EF, Lptook AR, Van Meurs K, D'Angio CT, Stoll BJ, DeMauro SB, Shankaran S. Neonatal Morbidities among Moderately Preterm Infants with and without Exposure to Antenatal Corticosteroids. <i>Am J Perinatol</i> . 2018;35(12):1213-1221.
12.	Lakshminrusimha S; Shankaran S; Lptook 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. <i>J Pediatr</i> . 2018 May;196:45-51.
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