***Curriculum Vitae***

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| **Date Prepared:** | **June 29, 2023** |
| **Name:** | **Myra H. Wyckoff, M.D.** |
| **Office Address** | **UT Southwestern Medical Center 5323 Harry Hines Boulevard Dallas, Texas 75390** |
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| **Place of Birth:** | Norman, Oklahoma |

**Education**

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| Year | Degree  (Honors) | Field of Study | Institution |
| Aug 1985 - May 1990 | Bachelor of Science  (Graduated Cum Laude) | 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**

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| 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 2001 Neonatal Board Certification

Current through 2023 Neonatal Board Recertification

Oct 1997 Pediatric Board Certification

Current through 2023 Pediatric Board Recertification

Jun 1992 USMLE Part I

Sep 1993 USMLE Part II

May 1997 USMLE Part III

**Honors and Awards**

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| 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 4th 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 4th 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 Life Support Task Force 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 | *Resuscitation* |
| 2022 | Pediatric Educator Award | Southern Society of Pediatric Research |
| 2022 | Mentor Award | UTSW Leaders in Clinical Excellence Awards |
| 2023 | Pediatric Faculty Teaching Award | UT Southwestern Pediatric Program (awarded by the residents) |

**Faculty Academic Appointments**

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| --- | --- | --- | --- |
| 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**

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| --- | --- | --- | --- |
| Past | | | |
| Year(s) | Position Title | Department/Division | Institution |
| 2001-2013 | Consultant Staff | Department of Pediatrics | St. Paul University Hospital, Dallas, TX |
| Current | | | |
| 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 |
| 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**

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| Year(s) | Position Title | Institution |
| 2011-2015 | Neonatal Resuscitation Program Steering  Committee Co-Chair | American Academy of Pediatrics |
| 2011-2015 | Neonatal Resuscitation Guidelines Writing Group Chair | American Heart Association |
| 2015-present | International Liaison Committee on Resuscitation Liaison to the Neonatal Resuscitation Program Steering Committee | American Academy of Pediatrics |
| 2015-2020 | Neonatal Resuscitation Guidelines Writing Group | American Heart Association |
| 2016-2021 | International Liaison Committee on Resuscitation, Neonatal Task Force, Chair | International Liaison Committee on Resuscitation |
| 2016-Jun 30, 2021 | Neonatal Resuscitation Program Liaison to the Pediatric Emphasis Group of the Emergency Cardiovascular Care Committee | American Heart Association |
| 2021-2025 | Neonatal Resuscitation Guidelines Writing Group | American Heart Association |
| 2022-present | Neonatal Life Support Task Force Member, International Liaison Committee on Resuscitation | International Liaison Committee on Resuscitation |

**Major Administrative/Leadership Positions**

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| 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)*

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| Year(s) | Name of Committee | Institution/Organization |
| UTSW | | |
| 2007-2009 | Faculty Day Care Committee | UT Southwestern Medical Center |
| 2019-current | Promotions and Tenure Committee | UT Southwestern Medical Center |
| 2023-current | Co-Chair Promotion and Tenure Committee | UT Southwestern Medical Center |
| 2020 | Search Committee for Chair of OB/GYN Department | UT Southwestern Medical Center |
| 2023 | Department of Pediatrics AAMC Standpoint Survey Review Committee | UT Southwestern Medical Center |
| 2023-2024 | Department of Pediatrics Promotion and Tenure Review Committee | UT Southwestern Medical Center |
| Hospital | | |
| 2008-present | Housewide 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 |
| 2018-present | NICU Providers Consortium | Parkland Health & Hospital System |
| 2019-present | Newborn Services Executive Committee | Parkland Health & Hospital System |
| State/Regional | | |
|  |  |  |
| National/International | | |
| 2003-present | International Liaison Committee on Resuscitation, Neonatal Life Support Task Force (Chair 2016-2021) | American Heart Association |
| 2006-2015 | Neonatal Resuscitation Program Steering Committee | American Academy of Pediatrics |
| 2011-2015 | Get with the Guidelines Committee | American Heart Association |
| 2015-present | ILCOR Liaison to the Neonatal Resuscitation Program Steering Committee | American Academy of Pediatrics |
| 2018-2020 | Voting International Liaison Committee on Resuscitation Delegate | American Heart Association |
| 2015-2023 | Neonatal Life Support Guidelines Writing Group | American Heart Association/American Academy of Pediatrics |
| 2019-2020 | Obstetric Life Support Guidelines Writing Group | American Heart Association |
| 2023 | International Liaison Committee on Resuscitation Voting Delegate | American Heart Association |

**Professional Societies**

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| Dates | Society Name, member |
| 2000-present | American Academy of Pediatrics |
| 2006-present | American Heart Association |
| 2007-present | Society for Pediatric Research |
| 2008-present | Perinatal Research Society |
|  | Committees |
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|  | Fellowships |
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**Grant Review Activities**

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| 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 |
| 2018-2019 | National Institute of Child Health and Human Development (NICHD) Loan Repayment Program | National Institute of Health |

**Editorial Activities**

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| Year(s) | Journal Name |
| Editor/Associate Editor | |
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| Editorial Board | |
| 2015-present | *Resuscitation* |
| Ad Hoc Reviewer | |
| 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 |
| 2015-present | Ad hoc Reviewer for Resuscitation |
| 2017-present | Ad hoc Reviewer for European Journal of Pediatrics |
| 2020-present | Ad hoc Reviewer for Resuscitation Plus |
| 2021-present | Ad hoc Reviewer for JAMA |
| 2023-present | Ad hoc Review for Cardiovascular Research |

**Grant Support**

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| Present | *Grantor:* National Institute of Health |
|  | *Title of Project:* NICHD Cooperative Multicenter Neonatal Research Network- 2UG1HD040689-23 |
|  | *Role:* Primary Investigator |
|  | *Total amount and date (direct costs only):* Apr 2023-Mar 2030, $214,000/yr |

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

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|  | *Grantor:* Children’s Medical Center of Dallas Clinical Research Grant |
|  | *Title of Project:* Use of non-invasive ETCO2 and compliance monitoring to prevent early hypocarbia in VLBW neonates requiring intubation in the delivery room. |
|  | *Role :* Principal Investigator |
|  | *Total amount and date (direct costs only):* Sep 2002-Sep 2003, $10,000. |

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|  | *Grantor:* National Institute of Health Grant |
|  | *Title of Project:* Clinical research consortium to improve resuscitation outcomes. |
|  | *Role:* Collaborator with Primary Investigator Dr. Ahamed Idris, MD |
|  | *Total amount and date:*  $2,443,349 Jul 2004-Jun 2009 |

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

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|  | *Grantor:* Thermotek, Inc |
|  | *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. |
|  | *Role :* Principal Investigator |
|  | *Total amount and date (direct costs only):* Aug 2005 – Dec 2005, $15,561. |

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

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

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

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

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

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|  | *Grantor:* American Academy of Pediatric Neonatal Resuscitation Program Young Investigator Grant |
|  | *Title of Project:* Controlled pilot study of asynchronous compression and ventilation cycles versus standard Neonatal Resuscitation Program CPR for resuscitation in a neonatal swine |
|  | *Role:* Co-Investigator (Mentor to Dr. Eric Sparks) |
|  | *Total amount and date (direct costs only):* Jan 2011-Jan 2012 |

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

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|  | *Grantor:* American Academy of Pediatric Neonatal Resuscitation Program Young Investigator Grant |
|  | *Title of Project:* End-tidal carbon dioxide (ETCO2) prediction of return of spontaneous circulation (ROSC) during CPR in asystolic and bradycardic neonates. |
|  | *Role:* Co-Investigator (Mentor to Dr. Christina Stine) |
|  | *Total amount and date (direct costs only):* Jan 2013-Dec 2014, $9,712 |
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|  | *Grantor:* National Institute of Health |
|  | *Title of Project:* NICHD Cooperative Multicenter Neonatal Research Network-5 U10 HD040689 |
|  | *Role:* Primary Investigator |
|  | *Total amount and date:* Aug 2013-Mar 2016, $200,000/yr |

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|  | *Grantor:* Texas Regional CTSA Consortium Grant |
|  | *Title of Project:* Cycled Phototherapy: A safer effective treatment for small premature infants? |
|  | *Role:* Site Investigator |
|  | *Total amount and date (direct costs only):* Mar 2016-Feb 2017, $25,000/yr |
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|  | *Grantor:* American Academy of Pediatric Neonatal Resuscitation Program Young Investigator Grant |
|  | *Title of Project:* Impact of the 7th Edition NRP Guidelines on Outcomes of Meconium-Exposed Newborns |
|  | *Role:* Co-Investigator (Mentor to Dr. Britni Maple) |
|  | *Total amount and date (direct costs only):* Jan 2019-Dec 2019, $3000/yr |
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|  | *Grantor: National Institute of Health* |
|  | *Title of Project: NICHD Cooperative Multicenter Neonatal Research Network-5 U10 HD16020* |
|  | *Role: Primary Investigator* |
|  | *Total amount and date:* Apr 2016-Mar 2023: $200,000/yr |

**Clinical Trials Activities**

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| Present | *Grantor:* NICHD and NHLBI |
|  | *Title of Project:* Darbepoetin Trial to Improve Red Cell Mass and Neuroprotection in Preterm Infants |
|  | *Role:* Co-Investigator |

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|  | *Grantor:* NICHD |
|  | *Title of Project:* A Randomized Trial of Targeted Temperature Management With Whole Body Hypothermia For Moderate And Severe Hypoxic-Ischemic Encephalopathy In Premature Infants 33-35 Weeks Gestational Age – A Bayesian Study |
|  | *Role:* Co-Investigator |

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|  | *Grantor:* NICHD |
|  | *Title of Project:* Milrinone in Congenital Diaphragmatic Hernia |
|  | *Role:* Co-Investigator |

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|  | *Grantor:* NICHD |
|  | *Title of Project:* Neurodevelopmental Effects of Donor Human Milk vs. Preterm Formula in ELBW infants |
|  | *Role:* Co-Investigator, UTSW Site PI |

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|  | *Grantor:* NICHD |
|  | *Title of Project:* Management of the Patent Ductus Arteriosus in Premature Infants Trial (PDA Trial) |
|  | *Role:* Co-Investigator |

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|  | *Grantor:* NICHD |
|  | *Title of Project:* Cycled Phototherapy: A Safer Effective Method to Control the Serum Bilirubin of Extremely Premature Infants? |
|  | *Role:* Co-Investigator, UTSW Site PI |

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|  | *Grantor:* NICHD |
|  | *Title of Project:* Randomized Controlled Trial of Home Therapy with Caffeine Citrate in Moderately Preterm Infants with Apnea of Prematurity |
|  | *Role:* Co-Investigator |
|  | |
|  | *Grantor:* NICHD |
|  | *Title of Project:* Randomized Controlled Trial of Budesonide/Surfactant versus Surfactant alone in Extremely Preterm Infants (“The Budesonide in Babies (BiB) Trial”) |
|  | *Role:* Co-Investigator |
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|  | *Grantor:* Chiesi USA |
|  | *Title of Project:* Avoiding Intubation of Preterm Infants Born <26 week GA With  Prophylactic Less Invasive Surfactant Administration In The Delivery  Room |
|  | *Role:* Co-Investigator |

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| Past | *Grantor:* NICHD |
|  | *Title of Project:* Evaluation of Systemic Hypothermia Initiated After 6 Hours of Age in  Infants ≥ 36 Weeks Gestation with Hypoxic-Ischemic  Encephalopathy: A Bayesian Evaluation |
|  | *Role:* Co-investigator |

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|  | *Grantor:* NICHD |
|  | *Title of Project:* Incubator Weaning of Moderately Preterm infants (Short Title: MPIW): A Randomized Controlled Trial |
|  | *Role:* Co-investigator |

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|  | *Grantor:* NICHD |
|  | *Title of Project:* Transfusion of Prematures (TOP) Trial: Does a Liberal Red Blood Cell Transfusion Strategy Improve Neurologically-Intact Survival of Extremely-Low-Birth-Weight Infants as Compared to a Restrictive Strategy? |
|  | *Role:* Co-Investigator, UTSW Site PI |
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|  | *Grantor:* NICHD |
|  | *Title of Project:* Optimizing cooling strategies at <6 hrs of age for hypoxic-ischemic encephalopathy |
|  | *Role:* Co-Investigator |
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|  | *Grantor:* NICHD |
|  | *Title of Project:* Multi-Center Randomized Trial of Laparotomy vs. Drainage as the Initial Surgical Therapy for ELBW Infants with Necrotizing Enterocolitis (NEC) or Isolated Intestinal Perforation (IP): Outcomes at 18-22 months Adjusted Age Study (NEST) |
|  | *Role:* Co-Investigator, UTSW Site PI |

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|  | *Grantor:* NICHD |
|  | *Title of Project:* A Randomized Controlled Trial Of The Effect Of Hydrocortisone On Survival Without Bronchopulmonary Dysplasia And On Neurodevelopmental Outcomes At 22 - 26 Months Of Age In Intubated Infants <30 Weeks Gestational Age |
|  | *Role:* Co-Investigator, UTSW Site PI |

**Teaching Activities**

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| Year(s) | Activity |
| Medical and graduate school didactic and small group teaching | |
| 2000-2014 | 3rd year medical student conference on newborn physiology (4X/yr) |
| 2000-present | Neonatal Resuscitation Program (NRP) Simulation Courses for 4th year students (4X/yr) |
| 2001-2015 | Medical Student Women in Medicine Interest Group Mentor/Lecturer |
| 2006-2010 | UTSW 1st year medical student Embryology Seminar Lecturer |
| 2003-2006 | STARS Program Lecturer-Careers in neonatology (2X/yr) |
| 2013-2017 | UTSW 4th year medical student Pediatric Boot Camp Rotation Simulation Seminars |
| 2017-present | UTSW 3rd year medical student NICU teaching sessions (2X/year) |
| 2019, 2022 | UTSW 4th year medical student Frontiers In Medicine Seminar on Neonatal Resuscitation |
| Dissertation committees | |
| 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. |
| Committees concerned with medical and graduate student education | |
| 2001-2013 | UTSW Medical School Applicant Interviewer |
| 2001-present | Advisor to UTSW 4th 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 |
| Graduate student rotations | |
| 2000-present | Parkland Hospital NICU Rotations (4-8 weeks/yr) |
| 2000-present | Parkland Hospital High-risk Neonatal Resuscitation and Stabilization Rotation for Pediatric Residents (8-12 weeks/yr) |
| 2006-2014 | CMC NICU Rotations (4 weeks/yr) |
| Medical student rotations | |
| 2000-present | PHHS NICU Acute Care Rotation for 4th year medical students (4-8 weeks/yr) |
| Postgraduate medical education (graduate & continuing medical education) | |
| 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 | Parkland NICU Nursing Residency Lecturer-Meconium aspiration (2X/year) |
| 2000-present | Neonatal Resuscitation Program Regional Trainer (150 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 |
| 2006-2015 | 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, 2023 | Judge for UTSW Senior Pediatric Fellow Research Day Competition |
| 2010-present | UTSW Pediatric Residency NICU Noon Conference Speaker (8-10x/yr) |
| 2011-present | Parkland and CMC Neonatal Nurse Practitioner Continuing Education Lectures-Evidence Based Medicine and Neonatal Topics (1-2X/year) |
| 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 every 1-2 years) |
| 2014-present | Development of curriculum and coordination of a 2 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 |
| 2021 | UTSW OB/GYN Residency Lecturer “Update on Neonatal Resuscitation” |
| 2021-present | Faculty Sponsor-Neonatal-Perinatal Medicine Interest Group-UTSW Pediatrics Residency |
| 2021 | UTSW Maternal-Fetal Medicine Fellowship Lecturer “Update on Neonatal Resuscitation” |
| 2021 | Development of curriculum and coordination of a 2 week Pediatric Emergency Medicine Fellowship elective rotation in newborn resuscitation and stabilization |
| 2022 | Faculty for resident research review working group for UTSW Pediatric Residency |
| 2023 | Development of curriculum and coordination of a 2 week Maternal Fetal Medicine Fellowship elective rotation in newborn resuscitation and stabilization |
| 2023 | Coordinator for curriculum for UTSW Emergency Medicine Residency Neonatal Case Simulation Day 1X/yr |
| 2023 | Faculty discussant for Department of Pediatrics 2nd year fellow departmental research presentations |
| Postdoctoral trainees | |
| **Research Oversight Committees for Fellows** | |
| 2005-2008 | Research Oversight Committee Member for Darryl Miao, MD, UTSW Neonatal-Perinatal Medicine 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-Perinatal Medicine 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-Perinatal Medicine 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-Perinatal Medicine 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-Perinatal Medicine 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-Perinatal Medicine 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-Perinatal Medicine 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, MD UTSW PICU Fellow.  Research Project: When should infant resuscitation convert from neonatal to pediatric resuscitation algorithms. |
| 2018-2021 | Research Oversight Committee Member for Shelby Brennan, MD, UTSW Neonatal-Perinatal Medicine Fellow. Research project: Predicting the need for advanced neonatal resuscitation following delivery of late preterm and term neonates: risk classification and development of a scoring system. |
| 2018-2021 | Research Oversight Committee Member for Lorraine Bautista, MD, UTSW Neonatal-Perinatal Medicine Fellow. Research project: Treatment of Infants at Risk for Longer Length Treatment for Neonatal Abstinence Syndrome |
| 2020-2023 | Research Oversight Committee Member for Priya Sharma, MD, UTSW Neonatal-Perinatal Medicine Fellow. Research project: Resuscitation Quality Improvement (RQI) NRP cart to improve PPV skills for neonatal resuscitation. |
| 2022-2025 | Research Oversight Committee Member for Efren Diaz, MD, UTSW Neonatal-Perinatal Medicine Fellow. Research Project: Transference Of Established Simulated Skills Trial​  Test Trial:A Pilot Study |
| **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 Professor of Pediatrics at UTSW. |
| 2004-2007 | Research Mentor for Chad Barber, MD, UTSW Neonatal-Perinatal Medicine 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 Medicine 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 Medicine 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 Medicine 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 Associate Professor of Pediatrics at UTSW. |
| 2011-2014 | Research Mentor for Catherine Stine, MD, Neonatal-Perinatal Medicine Fellow: Research Project: End-tidal carbon dioxide (ETCO2) 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 Medicine Fellow: Research Project: Impact of changes in meconium management for non-vigorous newborns in the delivery room. Currently Assistant Professor of Pediatrics at University of South Caroline, Greenville, SC. |
| 2020-2022 | Research Mentor for Angela Claire Noltemeyer, MD, Neonatal-Perinatal Medicine Fellow. Research Project: Impact of Duration of Intensive Resuscitation on Neonatal Outcomes. Taking position as Assistant Professor of Pediatrics at CHOC, Orange, CA. |
| 2022-2025 | Research Mentor for Riti Chokshi MD, Neonatal-Perinatal Medicine Fellow. Research Project: Randomized clinical trial of colorimetric ETCO2 detection to guide ventilation corrective steps during neonatal resuscitation of moderate preterm newborn infants. |
| **Research Mentorship for Junior Faculty** | |
| 2013-present | 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. Advisor of K23 Grant. |
| 2014-present | Research Mentor for Elizabeth Foglia, Children’s Hospital of Philadelphia Assistant Professor K23 application. PAS Young Investigator Mentorship Program Mentor. |
| 2014-2016 | 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 |
| 2016-Present | Scholarly Oversight Committee of Shalini Ramachandran, MD, UTSW Assistant Professor of Pediatrics on Clinical Educator Track. Use of Simulator Education to Improve Neonatal Resuscitation Performance |
| 2017-present | Research Mentor and Scholarly Oversight Committee of Nora Ali, MD, UTSW Assistant Professor on Clinical Educator Track. Neonatal Resuscitation in Level 4 NICUs Children’s Hospitals. |
| 2021-present | Scholarly Oversight Committee of Christina Chan, MD, UTSW Assistant Professor of Pediatrics on the Clinical Educator Track. Use of video to improve neonatal resuscitation performance. |
| 2021-present | Scholarly Oversight Committee of Katherine Stumpf, MD, UTSW Assistant Professor of Pediatrics on the Clinical Educator Track |

**Invited Lectures**

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| Year(s) | Title | Location |
| International |
| 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 Olso, 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 | 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? 2nd Neonatal Resuscitation Symposium | University of Alberta, Edmonton, Canada |
| 2016 | Assessing heart rate in the delivery room: state of the art. 6th International Symposium on Neonatal Resuscitation | Belo Horizonte, Brazil |
| 2016 | CPR: from animals and manikins to human neonates at birth? 6th International Symposium on Neonatal Resuscitation | Belo Horizonte, Brazil |
| 2016 | Medication in the delivery room: what to do and what not to do. 6th International Symposium on Neonatal Resuscitation | Belo Horizonte, Brazil |
| 2016 | 2015 neonatal resuscitation guidelines overview and update. 3rd Neonatal Congress of Argentina | Buenos Aires, Argentina |
| 2016 | State of the art science to support neonatal cardiac compressions and medications. 3rd Neonatal Congress of Argentina | Buenos Aires, Argentina |
| 2016 | Delivery room stabilization of the ELBW infant. 3rd 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? 25th Annual Middlesbrough Neonatal Conference | Middlesbrough, England |
| 2017 | Oxygen Use During Neonatal Delivery Room Stabilisation. 25th Annual Middlesbrough Neonatal Conference | Middlesbrough, England |
| 2017 | Neonatal CPR: What’s the Science and Should We Even Do It? 25th Annual Middlesbrough Neonatal Conference | Middlesbrough, England |
| 2017 | Neonatal Resuscitation Simulation Workshop. 3rd Biennial United South African Neonatal Association Conference | Johannesburg, South Africa |
| 2017 | Cutting edge delivery room practice in 2017. 3rd Biennial United South African Neonatal Association Conference | Johannesburg, South Africa |
| 2017 | Advances in thermoregulation.3rd 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. 7th 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 |
| 2019 | ILCOR Neonatal Life Support Science Update. Emergency Medicine Society of South Africa Conference 2019. | Cape Town, South Africa |
| 2020 | ILCOR Neonatal Life Support Summary Consensus on Science and Treatment Recommendations  2020 European Resuscitation Council Meeting | Manchester, England (Virtual) |
| 2020 | Extrapolating from non-human studies in neonatal resuscitation  2020 European Resuscitation Council Meeting | Manchester, England (Virtual) |
| 2021 | Update from the International Liaison Committee on Resuscitation Neonatal Life Support Task Force-What the Science can Tell Us…or Not.  12th Dresden Symposium of the European Society for Pediatric Research Spring School | Dresden, Germany (Virtual) |
| 2021 | Neonatal Resuscitation Around the World: 2020 Guidelines of the United States based on ILCOR Consensus on Science. Academy of Neonatology. | Zerifin, Israel (Virtual) |
| 2021 | Update from the Neonatal Life Support Task Force. ILCOR | (Virtual due to COVID) |
| 2022 | ILCOR Neonatal Life Support Task Force role in guiding neonatal resuscitation in the World. 8th International Symposium on Neonatal Resuscitation, Brazilian Pediatric Society | Salvador, Brazil |
| 2022 | Controversies in cord clamping management and in the initial steps. 8th International Symposium on Neonatal Resuscitation, Brazilian Pediatric Society | Salvador, Brazil |
| 2022 | What is the evidence for chest compressions and medication use in neonatal resuscitation at birth? 8th International Symposium on Neonatal Resuscitation, Brazilian Pediatric Society | Salvador, Brazil |
| 2022 | Knowledge gaps in neonatal resuscitation. 8th International Symposium on Neonatal Resuscitation, Brazilian Pediatric Society | Salvador, Brazil |
| National |
| 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 CO2 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) | Denver, CO |
| 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) | New Orleans, LA |
| 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. 3rd Neonatal Resuscitation Research Workshop. Sponsored by the Monash University, Melbourne Australia | The Bolger Center, MD |
| 2013 | Changes in the 2012 Neonatal Resuscitation Program recommendations. 27th Annual Conference of Southeastern Association of Neonatologists | Marco Island, FL |
| 2013 | Hot topics (unanswered questions) in neonatal resuscitation. 27th 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.4rd 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. Mar 28, 2018. | Cochrane Collaboration Webinar |
| 2018 | Moderator for 2018 Hot Topics Meeting Session “Golden Hour Pulmonary Management” | Washington, DC |
| 2020 | The science behind NRP. American Academy of Pediatrics NRP Road Show, Feb 22, 2020 | AAP Conference. Dallas, TX |
| 2020 | Translating evidence based medicine to evidence based practice! Cochrane neonatal web seminar series evidence-based medicine: basics and beyond. | Cochrane Collaboration Webinar |
| 2020 | Update from the International Liaison Committee on Resuscitation (ILCOR) Neonatal Life Support (NLS) | NeoHeart Virtual Conference |
| 2020 | Update from the International Liaison Committee on Resuscitation Neonatal Life Support | Hot Topics Virtual Conference |
| 2022 | PAS Postgraduate Course - Neonatal Pulmonology and Resuscitation: What is new in newborn resuscitation? Chest Compressions in Neonatal Resuscitation, 2022 Pediatric Academic Society Meeting | Denver, CO |
| 2022 | Airway Management Breakout Sessions. Neonatal Resuscitation Program Current Issues Seminar. 2022 NCE AAP | Anaheim, CA |
| 2022 | Neonatal Resuscitation Guidelines Update. 13th Annual Current Topics in Neonatal Nutrition and Advances in Neonatal Care | Albert Einstein College of Medicine-Montefiore Medical Center, Tarrytown, NY |
| 2022 | Drugs and Chest Compressions in Neonatal Resuscitation. 13th Annual Current Topics in Neonatal Nutrition and Advances in Neonatal Care | Albert Einstein College of Medicine-Montefiore Medical Center, Tarry Town, NY |
| 2023 | International Liaison Committee on Resuscitation Priorities. 7th Neonatal Resuscitation Research Workshop. Sponsored by the Monash University, Melbourne Australia | Washington, DC |
| 2023 | Impact of duration of Intensive Delivery Room Resuscitation on Survival and Neurodevelopment. 7th Neonatal Resuscitation Research Workshop. Sponsored by the Monash University, Melbourne Australia | Washington, DC |
| Regional/Local |  |  |
| 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 |
| 2008 | Lung Hypoplasia | University of Texas at Arlington Neonatal Nurse Practitioner Program |
| 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. 6th Scott and White Annual Neonatal (SWAN) Conference | Scott and White Hospital, Temple, TX |
| 2013 | Resuscitation of the Severely Asphyxiated Baby: A Case Study. 7th 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: 7th edition NRP Changes. Pediatrix Neonatology Group. | San Antonio, TX |
| 2016 | 2016: 7th 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 |
| 2019 | Delivery Room Stabilization of the ELGAN Infant – The Golden Minutes. Texas Health Dallas Annual NICU Symposium | Dallas, TX |
| 2019 | Neonatal Resuscitation  Program Hot Topics. 13th Scott and White Annual Neonatal (SWAN) Conference. | Scott and White Hospital, Temple, TX |
| 2020 | The Golden Hour (Minutes)-Neonatal Resuscitation. Texas Collaborative for Healthy Mothers and Babies (TCHMB) 2020 Summit | Austin, TX |
| 2020 | ILCOR 2020- New Guidelines on Neonatal Resuscitation  University of Oklahoma Health Sciences Center Visiting Professorship to Department of Pediatrics, Division of Neonatal-Perinatal Medicine | OKC, OK (virtual) |
| 2021 | State of the Art: Neonatal Resuscitation Today – What a Highly-Performing Team Looks Like  University of Oklahoma Health Sciences Center Visiting Professorship to Department of Pediatrics, Division of Neonatal-Perinatal Medicine. 3/30/21. | OKC, OK (virtual) |
| 2022 | Breathing Life into Neonatal Resuscitation Education and Implementation Outside the Walls of Academia. Pediatric Grand Rounds, University of Oklahoma Health Sciences Center. 9/14/22. | OKC, OK |
| 2022 | How We Get to Evidence-based Resuscitation Care. Neonatal Resuscitation Symposium. University of Oklahoma Health Sciences Center. | OKC, OK |

**Technological and Other Scientific Innovations**

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| Innovation |
| Patent, if any, pending or awarded /If described in print/on web, provide citation |

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**Service to the Community**

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| Year(s) | Role | Organization or institution |

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| 2004-2007 | NICU Family Support Project Advisory Board | March of Dimes Parkland |

**Bibliography**

**Peer-Reviewed Publications**

Original Research Articles

|  |  |
| --- | --- |
|  | **Wyckoff MH**, Chambliss KL, Mineo C, Yuhanna IS, Mendelsohn ME, Mumby SM, Shaul PW. Plasma membrane estrogen receptors are coupled to eNOS through Gαi.J Biol Chem 2001;276:27071-76. |
|  | **Wyckoff MH**, Perlman JM. Effective ventilation and temperature control are vital to outborn resuscitation. Prehosp Emerg Care 2004;8:191-5. |
|  | Salhab WA, **Wyckoff MH**, Laptook AR, Perlman JM. Initial hypoglycemia and neonatal brain injury in term infants with severe fetal acidemia. Pediatrics 2004; 114:361-6. |
|  | **Wyckoff MH**, Perlman JM, Laptook AR. Use of volume expansion during delivery room resuscitation in near-term and term infants. Pediatrics 2005;115:950-5. |
|  | Barber CA, **Wyckoff MH**. Endotracheal versus intravenous epinephrine during neonatal cardiopulmonary resuscitation in the delivery room. Pediatrics 2006; 118:1028-34. |
|  | Perlman JM, Kattwinkel J, Richmond S, Boyle D, Byrne S, Carlo W, Engle WA, Escobedo M, Goldsmith JP, Guinsburg R, Halamek LP, McGowan JE, Morley C, Niermeyer S, Singhal N, Speer M, Stenson BJ, Szyld E, Udaeta E, Velaphi S, Vidyasagar D, Watkinson M, Weiner GM, **Wyckoff MH**, Wyllie J, Simon WM. The International Liaison Committee on Resuscitation (ILCOR) consensus on science with treatment recommendations for pediatric and neonatal patients: Neonatal resuscitation. Pediatrics 2006;117: e978 - e988. |
|  | **Wyckoff MH**, Garcia D, Perlman JM, Laptook AR. Randomized trial of volume infusion during resuscitation of asphyxiated neonatal piglets. Pediatric Res 2007; 61: 415-20. |
|  | Chalak LF, Laptook AR, Perlman JM, Garcia D, Ramilo O, **Wyckoff MH**. Immediate pro-inflammatory cytokine response associated with asphyxia and volume infusions in a neonatal piglet model. Journal of Neonatal-Perinatal Medicine 2008; 1:69-75 . |
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|  | Stocks E, Jaleel M, Smithheart W, Burchfield PJ, Thomas A, Mangona KL, Kapadia VS, **Wyckoff MH**, Kakkilaya V, Weaver J, Brion LP. Reduction in Delivery Room (DR) Continuous Positive Airway Pressure (CPAP)-Associated Pneumothorax (PTX) in ≥35-Wk Gestational age (GA) Neonates. Pediatric Academic Societies Meeting 2020. Accepted as Platform Presentation. Presented virtually due to COVID-19 Crisis. |
|  | Kole M, Saha S, Werner E, Chawla S, Keszler M, McGowan EC, **Wyckoff MH**, Laptook AR for the National Institute of Child Health and Human Development, Eunice Kennedy Shriver NICHD Neonatal Research Network. Maternal hypertensive disorders and survival without major morbidities among extremely low gestation newborns (ELGANs). Pediatric Academic Societies Meeting 2020. Accepted as poster presentation but COVID-19 crisis prevented meeting. |
|  | Chawla S, **Wyckoff MH**, Natarajan G, Laptook AR, Lakshminrusimha S, Shankaran S, Chowdhury D, Bell EF, Rysavy MA, Patel RM, Van Meurs KP, Ambalavanan N, Greenberg RG, Younge NE, Werner EF, Das A, Carlo WA, For the NICHD Neonatal Research Network. Association of Antenatal Steroid Exposure at ≤ 22 Weeks of Gestation with Neonatal Survival and Survival Without Neonatal Morbidities. Pediatric Academic Societies Meeting 2021. Accepted as Platform Presentation. Presented virtually due to COVID-19 Crisis. |
|  | Chawla S, Laptook AR, Smith EA, Tan S, Natarajan G, **Wyckoff MH,** Greenberg RG, Ambalavanan N, Bell EF, Van Meurs K, Hintz S, Vohr B, Das A, Werner EF, SShankaran S, for the NICHD Neonatal Research Network. Association of Maternal Pre-Pregnancy Body Mass Index with Neurodevelopmental Outcome in Extremely Low Gestational Age Neonates (ELGANs). Pediatric Academic Societies Meeting 2021. Accepted as Poster Presentation. Presented virtually due to COVID-19 Crisis. |
|  | Laptook A, Weydig H, Brion L, Chowdhury D, **Wyckoff MH**, Arnautovic T, Younge N, Oh W, Keszler M, and Das A, for the NICHD Neonatal Research NetworkSpontaneous Intestinal Perforation (SIP): Are Antenatal Steroids and early Postnatal Indomethacin Associated? Pediatric Academic Societies Meeting 2021. Accepted as Platform Presentation. Presented virtually due to COVID-19 Crisis. |
|  | Handley SC, Kumbhat N, Eggleston B, Foglia EF, Davis AS, Van Meurs KP, Lakshminrusimha S, Walsh MC, Watterberg KL, **Wyckoff MH**, Das A, DeMauro SB, and the Generic Database Subcommittee of the NICHD Neonatal Research Network. Umbilical Cord Management Practices and Neurodevelopmental Outcomes at 22-26 months Corrected Age after Extremely Preterm Birth. Pediatric Academic Societies Meeting 2021. Accepted as Platform Presentation. Presented virtually due to COVID-19 Crisis. |
|  | Szotek J, Noltemeyer A, Ramachandran S, **Wyckoff MH**, Kapadia V. Optimal Intravenous Epinephrine Dose During Neonatal Cardiopulmonary Resuscitation in the Delivery  Room. Pediatric Academic Society Meeting 2021. Accepted as Poster Symposium. Presented virtually due to COVID-19 Crisis. |
|  | Stocks EF, Jaleel, M, Smithhart W, Burchfield P, Thomas A, Mangona KLM, Kapadia VS, **Wyckoff MH**, Kakkilaya V, Brenan S, Weaver J, Brown LS, Clark C, Nelson DB, Brion LP. Reduction of Delivery Room CPAP-Associated Pneumothorax in ≥35-Week Gestational Age Neonates. Pediatric Academic Societies Meeting 2021. Accepted as Poster Presentation. Presented virtually due to COVID-19 Crisis. |
|  | Sankaran D, Vali P, Chen P, Lesneski AL, Hardie ME, Alhassen Z, Wedgwood S, **Wyckoff MH**, and Lakshminrusimha S. Randomized Trial of Oxygen Weaning Strategies Following Neonatal Chest Compressions Evaluating Oxidative Stress After Recovery. Pediatric Academic Societies Meeting 2021. Accepted as Platform Presentation. Presented virtually due to COVID-19 Crisis. |
|  | Chawla S, **Wyckoff MH**, Rysavy MA, Patel RM, Chowdhury D, Lakshminrusimha S, Das A, Greenberg RG, Bell EF, Ambalavanan N, Younge NE, Natarajan G, Shankaran S, Laptook AR, Pavlek LR, Backes C, Van Meurs KP, Werner EF, Carlo WA for the National Institute of Child Health and Human Development (NICHD) Neonatal Research Network. Length of Exposure to a Single Dose of Betamethasone: Infant Mortality and Morbidity Outcomes. Pediatric Academic Societies Meeting 2022, Denver CO. Platform presentation. |
|  | Younge NE, Saha S, Brumbaugh JE, Klein JM, Bell EF, Colaizy T, Hughes BL, Malcolm WF, **Wyckoff MH**, van Meurs KP, Walsh MC, Das A, Cotten CM, for the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) Neonatal Research Network. Outcomes of Extremely Preterm Infants Exposed to Prolonged Preterm Prelabor Rupture of Membranes Before 24 Weeks of Gestation. Pediatric Academic Societies Meeting 2022, Denver CO. Poster presentation. |
|  | Shukla VV, Carper BA, Rysavy MA, Bell EF, Das A, Patel RM, D’Angio CT, Watterberg KL, Cotton CM, Merhar SL, **Wyckoff MH**, Sanchez PJ, Ambalavanan N, and Carlo WA, for the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) Neonatal Research Network. Association of Social Distancing with Extremely Preterm Live Births and Intrapartum Stillbirths in the Initial COVID-19 Pandemic Period. Pediatric Academic Societies Meeting 2022, Denver CO. Poster presentation. |
|  | Mir IN, Sanchez-Rosado M, Reis J, Uddin N, Brown LS, Mangona KL, Nelson DB,  **Wyckoff MH**, Nayak P, Brion LP. The impact of fetal Inflammatory response on the severity of necrotizing enterocolitis in preterm infants. Pediatric Academic Societies Meeting 2023, Washington DC. Poster Presentation. |
|  | Messick E, Saha S, Slaughter J, Kielt M, Bell E, Stoll B, Puopolo K, Mukhopadhyay S, Flannery D, **Wyckoff MH**, Cotton CM, Patel R, Laptook AR, Grisby C, Das A, Walsh M, Sánchez PJ, for the Eunice Kennedy Shriver NICHD Neonatal Research Network. Impact of Maternal COVID-19 on Outcomes of Extremely Preterm Infants in the Neonatal Intensive Care Unit. Pediatric Academic Societies Meeting 2023. Washington DC. Platform Presentation. |
|  | Chawla S, **Wyckoff MH**, Chowdhury D, MA, Patel RM, Greenberg RG, Bell EF, Younge NE, Shankaran S, Natarajan G, Laptook AR, Lakshminrusimha S, DeMauro S, Hintz S, Vohr BR, Network. Association of Antenatal Steroid Exposure at ≤ 22 Weeks of Gestation with Survival without Severe Neurodevelopmental Impairment. Pediatric Academic Societies Meeting 2023. Washington DC. Poster Presentation. |
|  | Nayak SP, Sharma P, Sanchez-Rosado M, Reis JD, Brown LS, Mangona KL, Nelson DB, **Wyckoff MH**, Burchfield PJ, Sepulveda PMir IN, Br, ion LP. Predicting surgical necrotizing enterocolitis and mortality among preterm infants suspected of necrotizing enterocolitis. Pediatric Academic Societies Meeting 2023. Washington DC. Poster Symposium Presentation. |
|  | Ariyapadi S, Chiu M, Chan C, Jaleel M, **Wyckoff MH**, Mazioniene K, David L, Burchfield PJ, Brown LS, Kapadia VS, Kakkilaya V. Predictors and Outcomes of Less Invasive Surfactant Administration (LISA) Failure in <29 Week Gestational Age Infants. Pediatric Academic Societies Meeting 2023. Washington DC. Poster Presentation. |