

**CURRICULUM VITAE****Krisa Page Van Meurs, MD**

<b>ADDRESS</b>	Stanford University School of Medicine Division of Neonatal and Developmental Medicine 750 Welch Road, Suite 315 Palo Alto, CA 94304 (650) 723-5711 – Telephone (650) 725-8351 – Facsimile vanmeurs@stanford.edu	
<b>EDUCATION</b>	1972-77	A.B., Mount Holyoke College, South Hadley, MA
	1977-81	M.D., George Washington University School of Medicine, Washington, DC
<b>POSTGRADUATE</b>	1981-84	Pediatric Residency, Children's National Medical Center, Washington, DC
	1984-85	Chief Pediatric Resident, Children's National Medical Center, Washington, DC
	1985-87	Guest Researcher, National Research Service Award Laboratory of Cellular Metabolism, National Heart, Lung & Blood Institute, NIH, Bethesda, MD
	1988-90	Postdoctoral Fellowship in Neonatal-Perinatal Medicine and Extracorporeal Membrane Oxygenation (ECMO), Children's National Medical Center, Washington, DC
<b>ACADEMIC APPOINTMENTS</b>	1984-88	Clinical Instructor of Pediatrics, George Washington University School of Medicine, Washington, DC
	1988-90	Instructor of Pediatrics, George Washington University School of Medicine, Washington, DC
	1990-97	Assistant Professor of Pediatrics, Stanford University School of Medicine, Stanford, CA
	1997-2004	Associate Professor of Pediatrics, Stanford University School of Medicine, Stanford, CA
	2004-	Professor of Pediatrics, Stanford University School of Medicine, Stanford, CA
	2012-	Rosemarie Hess Endowed Professor in Neonatal and Developmental Medicine, Stanford University School of Medicine, Stanford, CA
<b>CLINICAL APPOINTMENTS</b>	<b>Children's National Medical Center</b>	
	1983-87	Limited Duty Staff, Department of Neonatology
	1984-87	Part-time Attending Staff, Department of Emergency Medicine
	1984-87	ECMO Physician, Department of Neonatology
	1987-88	Director of Spina Bifida Program, Department of Pediatrics

<b>CLINICAL APPOINTMENTS (CONTINUED)</b>	<b>Lucile Salter Packard Children's Hospital</b>	
	1990-	Director of Neonatal ECMO Program, Department of Pediatrics
	1994-	Director of Nitric Oxide Program, Department of Pediatrics
	2001-02	Acting Medical Director, Neonatal Intensive Care Unit
	2013-2017	Medical Director, Neonatal Neuro Intensive Care Unit Director of Nurseries
	<b>Johnson Center for Pregnancy and Newborn Services</b>	
	2002-	Associate Director of Packard Nurseries
	2006-	Associate Chief for Clinical Programs
<b>BOARD CERTIFICATION</b>	1982	National Board, Diplomate
	1987	The American Board of Pediatrics, Diplomate
	1993	Neonatal-Perinatal Medicine (recertification 2000, 2007, 2014)
<b>LICENSURE</b>	1983-90	District of Columbia
	1990-	State of California
	1990-	Drug Enforcement Agency
<b>OTHER</b>	2000-present	AAP/AHA Neonatal Resuscitation Program (last updated May 2016)
<b>PROFESSIONAL MEMBERSHIPS</b>	1989-	Extracorporeal Life Support Organization
	1990-95	American Society for Artificial Internal Organs
	1993-	Western Society for Pediatric Research
	1993-95	American Thoracic Society
	1994-	American Academy of Pediatrics, Fellow
	1994-	American Academy of Pediatrics, Perinatal Section
	1995-	Society for Pediatric Research
	1995-	California Association of Neonatologists
	2005-	Pediatric Academic Society

**PROFESSIONAL PUBLIC SERVICE****International/National/Regional**

1973-75	Country Coordinator, vaccination and nutritional survey for Amigos de las Americas and Ministry of Health, Quito, Ecuador
1976	Research Assistant, Department of Coordination, World Health Organization, Geneva, Switzerland
1978	National Health Service Corps preceptee, Community Technical Assistance Program, Cotulla, TX
1997-2000 2002-2008	Member, Steering Committee, Extracorporeal Life Support Organization (ELSO)
1997-2000	Chair, Education and Training Committee, Extracorporeal Life Support Organization (ELSO)
2002-08	Chair, Communication Committee, Extracorporeal Life Support Organization (ELSO)

Ad hoc reviewer for *New England Journal of Medicine*, *Mosby Yearbook of Perinatal and Neonatal Medicine*, *Pediatrics*, *Journal of Pediatrics*, *Clinical Pediatrics*, *Acta Paediatrica*, *European Journal of Pediatrics*, *Pediatric Research*, *PLoS One*, *American Journal of Perinatology*

- 2003 Member, Cardiology Working Group, Newborn Drug Development Initiative, NICHD and FDA
- 2006-2009-10 Editorial Board, *American Journal of Perinatology*
- 2009-10 Member, Data Safety Monitoring Board, TOLSURF trial, NHLBI, NIH
- 2011-16 Editorial Board, Neonatology section, *Pediatric Research*
- 2014- Program Chair, Western Conference on Perinatal Research, sponsored jointly by Perinatal Section, AAP and Mead Johnson Nutritionals

### **Stanford University School of Medicine**

- 1992-95 Member, Administrative Panel on Human Subjects in Medical Research, Panel
- 1997-2000 General Clinical Research Advisory Committee
- 1998-99 Medical School Admissions Committee
- 1998-99 Faculty Senate, Alternate
- 2004-06 Faculty Senate, Pediatric Representative
- 2006-07 Member, Appointments and Promotions Committee, Stanford University School of Medicine
- 2007-09 Vice Chair, Appointments and Promotions Committee, Stanford University School of Medicine
- 2007- Founding member and member Stable of Mentors, Pediatric Mentoring Program, Department of Pediatrics
- 2008- Council of Mentors, Stanford Center for Clinical and Translational Education and Research (Spectrum), Institutional Clinical and Translational Science Award, Stanford University School of Medicine
- 2009-2012 Associate Chair, Clinical Research, Department of Pediatrics
- 2009-2012 Co-Chair, Research Advisory Committee, Department of Pediatrics
- 2009- Member, Executive Committee, Spectrum Child Health (Pediatric component Stanford CTSA)
- 2010 Member, Clinical Innovation Task Force
- 2011 Member, CTRU Policy and Oversight Panel and Scientific Review Panel, Spectrum (Stanford CTSA)
- 2012 Mentor, Faculty Fellows Program
- 2012 Faculty Affairs sub-committee, Liaison Committee on Medical Education (LCME) self-study
- 2015-2017 Chair, Search Committee, Division of Stem Cell Transplantation and Regenerative Medicine
- 2017 Interim Chief, Division of Neonatal and Developmental Medicine

### **Lucile Packard Children's Hospital**

- 1992-99 Blood and Transfusion Committee
- 1996-97 Code Committee
- 2000-05 Co-Chair, Blood and Transfusion Committee
- 2001-02 Care Improvement Committee
- 2001-02 Neonatal Advisory Parent Panel
- 2002 ROSE (Recognition of Service Excellence) Award

2002-03	Care Improvement Committee
2002-05	Board of Directors, Quality and Service Committee
2002-05	Critical Care Committee
2002-06	Interdisciplinary Practice Committee
2002-	Neonatal Intensive Care Unit Executive Committee

## MENTORING

Louise Baxter, M.D., Postdoctoral fellow in Neonatal-Perinatal Medicine, 1991-95  
 Hanh Nguyen, M.D., Stanford Medical Scholar, 1992-94  
 David M. Cohan, M.D., Stanford Medical Scholar, 1996-99  
 Toby Cohen, M.D., Postdoctoral fellow in Neonatal-Perinatal Medicine, 1997-2001  
 Nick Mickas, M.D., Postdoctoral fellow in Neonatal-Perinatal Medicine, 1998-2001  
 Reed Dimmit, M.D., Postdoctoral fellow in Neonatal-Perinatal Medicine, 1998-2001  
 Susan Hintz, M.D., Postdoctoral fellow in Neonatal-Perinatal Medicine, 1999-  
 Christopher Colby, M.D., Postdoctoral fellow in Neonatal-Perinatal Medicine, 2000-03  
 Valerie Chock, M.D., Instructor, Division of Neonatal and Developmental Medicine, 2005-  
 Alexis Davis, M.D., Instructor, Division of Neonatal and Developmental Medicine, 2006-14  
 Devasena Gnanashanmugan, M.D., Division of Infectious Disease, Department of Pediatrics, 2007-2008  
 Maureen M. O'Brien, M.D., Division of Hematology Oncology, Department of Pediatrics, 2007-2009  
 Rabin Tirouvanziam, Ph.D. Division of Pulmonary and Critical Care, Department of Pediatrics, 2007-11  
 Kari Nadeau, M.D. Ph.D. Division of Allergy and Immunology, Department of Pediatrics, 2008-11  
 Sharon Fei-Hsien Chen, M.D. M.S., Division of Infectious Disease, Dept of Pediatrics, 2008-14  
 Felice Su, M.D., Division of Critical Care, Department of Pediatrics, 2009-2014  
 Rajesh Punn, M.D., Division of Cardiology, Department of Pediatrics, 2009-11  
 Truc Le, M.D., Division of Critical Care, Department of Pediatrics, 2009-12  
 Kara Davis, D.O., Division of Hematology-Oncology, Department of Pediatrics, 2010-2017  
 Vishnu Priya Akula, M.D., Neonatal Fellow, Division of Neonatal and Developmental Medicine, 2010-  
 KT Park, M.D., Division of Pediatric Gastroenterology, Department of Pediatrics, 2011-2017  
 Bernardo Kracer, M.D., Neonatal Fellow, Div of Neonatal and Developmental Medicine, 2011-14  
 Adam Frymoyer, M.D., Instructor, Divisions of General Pediatrics/Neonatal and Dev Med, 2012-  
 Courtney Wusthoff, M.D., Assistant Professor, Department of Neurology, 2012-  
 Nidhi A. Shah, M.D., Neonatal Fellow, Division of Neonatal and Developmental Medicine, 2014-15  
 Christina Williams, 2<sup>nd</sup> year Medical Student, Stanford Medical Scholar, 2014-2015  
 Elizabeth Yan, Summer undergraduate student intern, Wheaton College, 2014-2015  
 Sonia L. Bonifacio, M.D., Clinical Assoc Prof, Div of Neonatal and Developmental Med, 2015-  
 Rachel Benson, M.D., Instructor, Division of Pediatric GI, 2014-2017  
 David Vu, M.D., Instructor, Division of Pediatric Infectious Disease, 2016-2017  
 Robbie Majzner, MD, Instructor, Division of Pediatric Hematology-Oncology, 2017

**CLINICAL RESEARCH / GRANT SUPPORT****Current Support**

PAR-13-278 (Wu Y)	07/01/2016-06/30/2022	0.12 calendar
NIH/NINDS	\$12,001	Role: Site PI

**High-dose Erythropoietin for Asphyxia and Encephalopathy (HEAL) Study**

A multi-center randomized controlled trial to determine if high-dose erythropoietin when used in combination with therapeutic hypothermia improves survival and neurodevelopmental outcomes in term infants with moderate to severe HIE.

2 U10 HD027880-22 (Van Meurs)	04/01/2016-03/31/2021	1.2 calendar
NIH/NICHD	\$188,847 (base cost)	Role: PI

**Multicenter Network of Neonatal Intensive Care Units**

A cooperative agreement in ongoing multicenter clinical studies designed to investigate the safety and efficacy of treatment and management strategies to care for infants in neonatal intensive care units.

Covidien	03/14/2014-03/31/2017	0.03 calendar
Investigator initiated, industry sponsored		Role: Co-PI

**Cerebral Oxygenation and Autoregulation In Preterm Infants: Association and Morbidity and Mortality**

This multi-center, prospective observational pilot study will investigate NIRS monitoring of end organ oxygenation and cerebral autoregulation in ELBW infants at eight centers.

**Past Support**

HHSN201000031 (Cohen-Wolkowicz)	12/19/2014 -09/29/2017	0.03 calendar
NIH/NICHD/Pediatric Trials Network		Role: Site PI

**Antibiotic safety in infants with complicated intra-abdominal infections**

The purpose of this study is to evaluate the safety of drug regimens consisting of ampicillin, metronidazole, clindamycin, piperacillin-tazobactam, and gentamicin in infants with complicated intra-abdominal infections.

UCSF (Van Meurs)	4/28/2014-1-01/01/16	as needed
Thrasher Foundation	\$6,000	Role: Site PI

**Neonatal Erythropoietin and Therapeutic Hypothermia Trial Outcomes- A Phase II Study**

This is a multi-center study being conducted at 7 centers to demonstrate the feasibility of enrolling 50 patients with moderate or severe HIE, safety of high-dose EPO and value of neuroimaging as a predictor of motor function at 12 months of age.

Child Health Research Institute (Van Meurs)	01/1/2013-05/31/2014	as needed
Lucile Salter Packard Children's Hospital	\$34,000	Role: PI

**A randomized clinical trial of therapeutic hypothermia during transport for HIE: Device regulated cooling versus standard practice**

This is a multi-center study being conducted at nine neonatal intensive care units in California to determine whether use of a servo-regulated device for transport cooling improves temperature profiles when compared to the current standard practice (passive cooling and use of ice packs)

2 U10 HD027880S1-22 (Van Meurs)	04/01/2012-03/31/2016	1.2 calendar
NIH/NICHD	\$238,600	Role: Mentor

**Multicenter Network of Neonatal Intensive Care Units - Research Supplements to Promote Diversity in Health-Related Research Program**

This diversity supplement is to enhance the research training and career development of a under-represented minority physician, Dr. Bernardo Kracer.

IK-3001-BPD-301 (Van Meurs)	03/30/2010–12/31/2015	0.12 calendar
INO Therapeutics LLC	\$57,160	Role: Site PI

**Inhaled Nitric Oxide for the Treatment of Bronchopulmonary Dysplasia (BPD) in Preterm Infants Requiring Mechanical Ventilation or Positive Pressure Support on Days 5 to 14 after Birth**

This is a multi-center industry sponsored trial to examine the efficacy of inhaled nitric oxide in preterm infants less than 30 weeks gestational age and between 500 and 1250 grams who require mechanical ventilation on days 5 to 14 after birth.

3UL1RR025747-02S3 (Pisano)	09/29/2009-09/30/2010	0.12 calendar
NIH/CTSA Supplement	\$47,000	Role: Site PI

**Improving Outcomes Measures for Chronic Lung Disease of Prematurity**

Chronic lung disease (CLD) is a primary or secondary marker for the efficacy of many treatments used in premature infants. The severity of CLD also predicts later outcome for premature infants. A more detailed and reliable outcome measurement tool for CLD would improve our ability to evaluate many interventions in neonatal medicine and predict later outcomes in these infants.

2U10 HD 27880-17	04/01/2006–03/28/2011	0.6 calendar
NIH/NICHD	\$181,030 (base costs only)	Role: PI

**Multi-center Network of Neonatal Intensive Care Units**

A cooperative agreement in ongoing multicenter clinical studies designed to investigate the safety and efficacy of treatment and management strategies to care for infants in neonatal intensive care units.

X2 U10 HD027880-19S (Van Meurs)	04/01/2006–03/28/2011	as needed
NIH/NICHD	\$69,444	Role: PI

**Amplitude integrated EEG and brain injury in extremely low birth weight infants: Does aEEG predict neuroimaging abnormalities and/or neurodevelopmental impairment?**

Dr. Van Meurs served as PI and mentor for this specialized clinical investigator development award to Alexis Davis, M.D. for a project investigating the value of the amplitude-integrated electroencephalogram (aEEG) as a predictive tool for neurologic sequelae in extremely low birthweight (ELBW) infants enrolled in a prospective, observational, multicenter study.

A1481 157-1015	2004-05	0.12 calendar
Pfizer, Inc.	\$38,840	Role: Site PI

**IV Sildenafil in the treatment of neonates with persistent pulmonary hypertension of the newborn or hypoxic respiratory failure: An open-label pharmacokinetic study**

The purpose of this study is to evaluate the pharmacokinetics (PK) and safety of intravenous sildenafil in newborns with PPHN or hypoxic respiratory failure and at risk for PPHN.

5U10 HD 27880-15	2001-06	0.60 calendar
NIH (Stevenson)	\$500,434	Role: Alternate PI

**Multicenter Network of Neonatal Intensive Care Units**

A cooperative agreement in ongoing multicenter clinical studies designed to investigate the safety and efficacy of treatment and management strategies to care for infants in neonatal intensive care units.

Innovations in Patient Care Award 2001-02 as needed  
 Lucile Salter Packard Children's Hospital \$15,000 Role: Co-Investigator  
**Non-invasive carbon dioxide monitoring in the neonatal intensive care unit utilizing ventilator tidal volume feedback**

The purpose is to determine if the use of continuous tidal volume monitoring will reduce episodes of undesirable hypocarbia with a higher percentage of blood gases falling in the "target" range and as such lead to improved patient care.

Co-investigators: Mickas N, Benitz W, Parker J

2-HNN701 1996-97 as needed  
 Neonatal Ventilation Study Group \$7,200 Role: Site PI

**Early non-tidal vs. tidal ventilation in premature infants: A pilot study**

The purpose of this study is to evaluate 50 premature infants half treated with early HFOV and half treated with a regular ventilator. The number of days each baby needs a ventilator, the incidence of CLD, and the incidence of any side effects from either ventilator will be recorded.

NIH General Clinical Research Center 1995-2000 as needed  
 Stanford University Role: PI

**Neonatal pulmonary hypertension patients at Stanford: Long term growth and neurodevelopmental outcome**

The purpose of this study is to understand the abnormalities of growth and neurodevelopment in infants with neonatal pulmonary hypertension and to determine if these abnormalities differ amongst patients who receive differing therapies for pulmonary hypertension.

Co-PI: Fleisher B, Brudos G

Children's Health Research Fund 1997-98 as needed  
 Lucile Salter Packard Children's Hospital \$35,000 Role: Co-PI

**Effect of inhaled nitric oxide on oxidant injury in term infants with respiratory failure**

The general objective of this proposal is to assess whether nitric oxide (NO) and/or its byproducts are associated with oxidative injury in neonates.

Co-PI: Dennery P

Ross Laboratories (Lotze) 1992-96 as needed  
 Industry-sponsored \$150,000 Role: Site Investigator

**Evaluation of Survanta (beractant) in the treatment of term infants with severe respiratory failure**

The purpose of this multicenter study is to determine if surfactant use in term infants with severe respiratory failure decreases the need for ECMO or decreases mortality.

## PUBLICATIONS

### Peer-reviewed articles

1. Angus, CW, **Van Meurs KP**, Tsai SC, Adamik R, Miedel MC, Pan YC, Kung HF, Moss J, Vaughan M. Identification of the probable site of cholera toxin-catalyzed ADP-ribosylation in a G<sub>α</sub>-like protein based on cDNA Sequence. *Proc Natl Acad Sci, USA* (1986) 83:5813-5816.
2. **Van Meurs KP**, Angus CW, Lavu S, Kung HF, Czarnecki SC, Moss J, Vaughan M. Deduced amino acid sequence of bovine retinal G<sub>α</sub>: Similarities to other guanine nucleotide-binding proteins. *Proc Natl Acad Sci, USA* (1987) 84:3107-3111.

3. Murtagh JJ, Price SR, **Van Meurs KP**, Angus CW, Moss J, Vaughan M. Signal transduction by guanine nucleotide-binding proteins: Possible molecular basis for multiple forms of G<sub>α</sub> mRNA. *Trans Assoc Am Physicians* (1988) 101:235-241.
4. Price SR, Murtagh JJ Jr, Tsuchiya M, Serventi IM, **Van Meurs KP**, Angus CW, Moss J, Vaughan M. Multiple forms of G<sub>α</sub> mRNA: Analysis of the 3' untranslated regions. *Biochem* (1990) 29:5059-5076.
5. Newman KD, Anderson KD, **Van Meurs KP**, Pearson S, Loe W, Short BL. Extracorporeal membrane oxygenation and congenital diaphragmatic hernia: Should any infant be excluded? *J Pediatr Surg* (1990) 25(10):1048-1053.
6. **Van Meurs KP**, Rivera O, Seale W, Short BL. Maximum blood flow rates for arterial cannulae used in neonatal ECMO. *ASAIO Trans* (1990) 36(3):679-681.
7. **Van Meurs KP**, Newman KD, Anderson KD, Short BL. Effect of extracorporeal membrane oxygenation on survival of infants with congenital diaphragmatic hernia. *J Pediatr* (1990) 117:954-960.
8. DePalma L, Short BL, **Van Meurs K**, Luban NL. A flow cytometric analysis of lymphocyte subpopulations in neonates undergoing extracorporeal membrane oxygenation. *J Pediatr* (1991) 118:117-120.
9. **Van Meurs KP**, Mikesell GT, Hearty JP III, Seale WR, Rivera O, Short BL. In vitro testing of the 0.6 M<sup>2</sup> SciMed membrane oxygenator. *J Extra Corpor Technol* (1992) 23(2):49-53.
10. **Van Meurs KP**, Robbins ST, Reed VL, Karr SS, Wagner AE, Glass P, Anderson KD, Short BL. Congenital diaphragmatic hernia: Long-term outcome of neonates treated with extracorporeal membrane oxygenation. *J Pediatr* (1993) 122:893-899.
11. **Van Meurs KP**, Nguyen HT, Rhine WD, Marks MP, Fleisher BE, Benitz WE. Intracranial abnormalities and neurodevelopmental status after venovenous extracorporeal membrane oxygenation. *J Pediatr* (1994) 125:304-307.
12. **Van Meurs KP**, Rhine WD, Benitz WE, Shochat SJ, Hartman GE, Sheehan AM, Starnes VA: Lobar lung transplantation as a treatment for congenital diaphragmatic hernia. *J Pediatr Surg* (1994) 29:1557-1560.
13. **Van Meurs KP**, Frankel LR, Pearl RG. Extracorporeal life support: Issues of who, when, why, and how. *Crit Care Med* (1995) 20:1200-2.
14. Lindeborg DM, Kavanagh BP, **Van Meurs KP**, Pearl RG. Inhaled nitric oxide does not alter the longitudinal distribution of pulmonary vascular resistance. *J Appl Physiol* (1995) 78(1):341-8.
15. Robbins RC, Bernstein D, Berry GJ, **Van Meurs KP**, Frankel L, Reitz BA. Cardiac transplantation for hypertrophic cardiomyopathy associated with Sengers syndrome. *Ann Thorac Surg* (1995) 60(5):425-427.
16. Benitz WE, Rhine WD, **Van Meurs KP**, Stevenson DK. Nitrovasodilator therapy for severe respiratory distress syndrome. *J Perinatol* (1996) 16:443-448.
17. The Neonatal Inhaled Nitric Oxide Study Group (NINOS). Inhaled nitric oxide in full term and nearly full term infants with hypoxic respiratory failure. *N Engl J Med* (1997) 336:597-604.
18. **Van Meurs KP**, Rhine WD, Asselin JM, Durand DJ and the Premie INO Collaborative Group. Response of premature infants with severe respiratory failure to inhaled nitric oxide. *Pediatr Pulmonol* (1997) 24:319-323.
19. The Neonatal Inhaled Nitric Oxide Study Group (NINOS). Inhaled nitric oxide and hypoxic respiratory failure in infants with congenital diaphragmatic hernia. *Pediatrics* (1997) 99:838-845.
20. Rhine WD, Hartman GE, Shochat SJ, Benitz WE, **Van Meurs KP**. Hemopericardium from coronary artery laceration complicating extracorporeal membrane oxygenation. *J Perinatol* (1997) 17:189-192.



21. Lotze A, Mitchell BR, Bulas DI, Zola EM, Shalwitz RA, Gunkel JH and the Survanta Term Infants Study Group. Multicenter study of surfactant (beractant) use in the treatment of term infants with severe respiratory failure. *J Pediatr* (1998) 132:40-47.
22. Sokol GM, **Van Meurs KP**, Wright LL, Rivera O, Thorne WJ III, Chu PM, Sams RL. Nitrogen dioxide formation during inhaled nitric oxide therapy. *Clin Chem* (1999) 45(3):382-7.
23. Hintz SR, Suttner DM, Sheehan AM, Rhine WD, **Van Meurs KP**. Decreased use of neonatal extracorporeal membrane oxygenation (ECMO): How new treatment modalities have affected ECMO utilization. *Pediatrics* (2000) 106:1339-1343.
24. Hintz SR, Benitz WE, Halamek LP, **Van Meurs KP**, WD Rhine. Secondary infection presenting as recurrent pulmonary hypertension. *J Perinatol* (2000) 4:262-264.
25. The Neonatal Inhaled Nitric Oxide Study Group (NINOS). Inhaled nitric oxide in term and near-term infants: Neurodevelopmental follow-up of the Neonatal Inhaled Nitric Oxide Study Group (NINOS). *J Pediatr* (2000) 136(5):611-617.
26. Dimmitt RA, Moss RL, Rhine WD, Benitz WE, Henry MC, **Van Meurs KP**. Venoarterial versus venovenous extracorporeal membrane oxygenation in congenital diaphragmatic hernia: The Extracorporeal Life Support Organization Registry 1990-1999. *J Pediatr Surg* (2001) 36(8):1199-1204.
27. Durand DJ, Asselin JM, Hudak ML, Aschner JL, McArtor RD, Cleary JP, **Van Meurs KP**, Stewart DL, Shoemaker CT, Wiswell TE, Courtney SE. Early high-frequency oscillatory ventilation versus synchronized intermittent mandatory ventilation in very low birth weight infants: A pilot study of two ventilation protocols. *J Perinatol* (2001) 21:221-229.
28. Hintz SR, Sheehan AM, Halamek LP, Rhine WD, **Van Meurs KP**, Benitz WE, Frankel LR. Use of bronchoscopy for congenital diaphragmatic hernia patients on extracorporeal membrane oxygenation. *Clin Intens Care* (2002) 13(2-3):101-106.
29. Colby CE, Sheehan A, Benitz W, **Van Meurs K**, Halamek LP, Moss RL. Maintaining adequate anticoagulation on extracorporeal membrane oxygenation therapy: Hemochron Junior Low Range versus Hemochron 400. *J Extra Corpor Technol* (2003) 35:35-38.
30. Konduri GG, Solimano A, Sokol GM, Singer J, Ehrenkranz RA, Singal N, Wright LL, **Van Meurs K**, Stork E, Kirpalani H, Peliowski A. Neonatal Inhaled Nitric Oxide Study Group. A randomized trial of early versus standard inhaled nitric oxide therapy in term and near-term newborn infants with hypoxic respiratory failure. *Pediatrics* (2004) 113:559-564.
31. Lally KP, Lally PA, Langham MR, Moya FR, Tibboel D, **Van Meurs KP** and the Congenital Diaphragmatic Study Group. Surfactant does not improve survival in preterm infants with congenital diaphragmatic hernia. *J Pediatr Surg* (2004) 39:829-833.
32. **Van Meurs K** and the Congenital Diaphragmatic Hernia Study Group. Is surfactant therapy beneficial in the management of the term newborn with congenital diaphragmatic hernia? *J Pediatr* (2004) 145:312-316.
33. Colby CE, Lally KP, Hintz SR, Lally PA, Tibboel D, Moya FR, **Van Meurs KP** and the Congenital Diaphragmatic Hernia Study Group. Surfactant replacement therapy on ECMO does not improve outcome in neonates with congenital diaphragmatic hernia. *J Ped Surg* (2004) 39:1632-1637.
34. **Van Meurs KP**, Cohen TL, Yang G, Somoschini M, Kuruma P, Dennery PA. Inhaled nitric oxide and markers of oxidant injury in infants with respiratory failure. *J Perinatol* (2005) 25:463-469.
35. **Van Meurs KP**, Wright LL, Ehrenkranz RA, *et al*. Inhaled nitric oxide for preterm infants with severe respiratory failure. *N Engl J Med* (2005) 353:13-22.
36. Hintz SR, Colby SE, Benitz WE, Sheehan AM, Rycus P, **Van Meurs KP**. Utilization and outcomes of neonatal cardiac ECLS, 1995-2000. *Ped Crit Care Med* (2005) 6:33-38.

37. Short BL, **Van Meurs K**, Evans JR and the Cardiology Working Group. The Newborn Drug Development Initiative (NDDI) Workshop: Summary proceedings from the Cardiology Group on Cardiovascular Instability in Preterm Infants. *Pediatrics* (2006) 117:S34-39.
38. Lally KP, Bagolan R, Hosie S, Lally PA, Stewart M, Cotton CM, **Van Meurs KP**, Alexander G, and the Congenital Diaphragmatic Hernia Study Group. Corticosteroids for fetuses with congenital diaphragmatic hernia- Can we show benefit? *J Pediatr Surg* (2006) 41:668-674.
39. Lally KP, Lally P, **Van Meurs K**, Bohn DJ, Davis CF, Rodgers B, Bhatia J, Dudell G and the Congenital Diaphragmatic Hernia Study Group. Treatment evolution in high risk congenital diaphragmatic hernia: Ten years experience with diaphragmatic agenesis. *Ann Surg* (2006) 244:505-513.
40. Evans JR, Short B, **Van Meurs K**, Sachs, HC. Cardiovascular support in preterm infants. *Clin Ther* (2006) 28:1366-1384.
41. Konduri GG, Vohr B, Robertson C, Sokol G, Solimano A, Singer J, Ehrenkranz RA, Singhal N, Wright LL, **Van Meurs K**, Stork E, Kirpalani H, Peliowski A, Johnson Y, and the Neonatal Inhaled Nitric Oxide Study Group. Inhaled nitric oxide therapy for term and near term newborns with hypoxic respiratory failure: Neurodevelopmental follow-up. *J Pediatr* (2007) 150:435-40.
42. The Congenital Diaphragmatic Study Group, Lally KP, Lally PA, Lasky RE, Tibboel D, Jaksic T, Wilson JM, Frenckner B, **Van Meurs KP**, Bohn DJ, Davis CF, Hirschl RB. Defect size determines survival in congenital diaphragmatic hernia. *Pediatrics* (2007) 120 (3):e651-7.
43. **Van Meurs KP**, Hintz SR, Ehrenkranz RA, Lemons JA, Ball MB, Poole WK, Perritt R, Das A, Higgins RD, Stevenson DK, for the Preemie Inhaled Nitric Oxide Study. Inhaled nitric oxide in infants >1500 grams and <34 weeks gestation with severe respiratory failure. *J Perinatol* (2007) 27:347-52.
44. Hintz SR, **Van Meurs KP**, Perritt R, Poole WK, Das A, Stevenson DK, Ehrenkranz RA, Lemons J, Vohr BR, Heyne R, Childers DO, Peralta-Carcelen M, Dusick A, Johnson YR, Morris B, Dillard R, Vaucher Y, Steichen J, Adams-Chapman I, Konduri G, Myers GJ, de Ungria M, Tyson JE, Higgins RD, for the NICHD Neonatal Research Network. Neurodevelopmental outcomes of the NICHD randomized controlled trial of inhaled nitric oxide for premature infants with severe respiratory failure. *J Pediatrics* (2007) 151:16-22.
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### Abstracts

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72. Colby C, Sheehan A, Moss L, Benitz W, **Van Meurs K**, Halamek L. Maintaining adequate anticoagulation, Hemachron 400 versus Hemachron Jr. 18<sup>th</sup> Annual Children's National Medical Center Symposium on ECMO and Advanced Therapies for Respiratory Failure. Keystone, CO. February 24-28, 2002.
73. Colby C, Pompeu R, Anderson J, Drohan L, **Van Meurs K**, Rosenthal D. Can clinical factors predict an improvement in oxygenation with inhaled nitric oxide therapy? Society for Pediatric Research. Baltimore, MD. May 2002.
74. Hintz SR, Colby C, Rycus P, Benitz WE, Sheehan AS, **Van Meurs KP**. Outcomes and descriptors of neonatal cardiac ECLS: 1996-2000. 19<sup>th</sup> Annual Children's National Medical Center Symposium on ECMO and Advanced Therapies for Respiratory Failure. Keystone, CO. February 23-27, 2003.
75. Hintz SR, Benitz WE, **Van Meurs KP**, Padidar AM, Halamek LP. Retroperitoneal hemorrhage post-ECMO. 19<sup>th</sup> Annual Children's National Medical Center Symposium on ECMO and Advanced Therapies for Respiratory Failure. Keystone, CO. February 23-27, 2003.
76. **Van Meurs KP** and the Congenital Diaphragmatic Study Group. Is surfactant therapy beneficial in the management of the term neonate with congenital diaphragmatic hernia? Society for Pediatric Research. Seattle, WA. May 4, 2003.
77. Sheehan AM, **Van Meurs KP**, Benitz WE. Changing ACT Devices: One Center's Experience. 20<sup>th</sup> Annual Children's National Medical Center Symposium on ECMO and Advanced Therapies for Respiratory Failure. Keystone, CO. February 22-26, 2004.

78. **Van Meurs KP**, Stevenson DK, Ehrenkranz RA, Lemons JA, Poole WK, Perritt R, Higgins RD, Wright LL. Inhaled nitric oxide for preterm infants with severe respiratory failure. Society for Pediatric Research. San Francisco, CA. May 3, 2004.
79. **Van Meurs KP**, Benitz WE, Hintz SR, Bender RH. Does oxygenation index correlate with outcome in premature infants with respiratory failure? Society for Pediatric Research. Washington, DC May 16, 2005.
80. Hintz SR, **Van Meurs K**. Reliability and accuracy of cranial ultrasound in the NICHD randomized controlled trial of inhaled nitric oxide for premature infants with severe respiratory failure. Pediatric Academic Society. San Francisco, CA May 2, 2006.
81. Hintz SR, **Van Meurs K**. Neurodevelopmental outcomes of the NICHD randomized controlled trial of iNO for premature infants with severe respiratory failure. Pediatric Academic Society. San Francisco, CA, May 2, 2006.
82. Sokol GM, **Van Meurs K**. Does inhaled nitric oxide exhibit dose related toxicity in the premature infant with severe respiratory failure. Pediatric Academic Society. San Francisco, CA, May 2, 2006.
83. Chock V, **Van Meurs K**. Inhaled nitric oxide for premature prolonged rupture of membranes, oligohydramnios, and suspected pulmonary hypoplasia: PiNO trial results. Pediatric Academic Society. San Francisco, CA, May 2, 2006.
84. Ambalavanan N, **Van Meurs K**. Predictors of death/BPD in preterm infants with respiratory failure. Pediatric Academic Society. San Francisco, CA, May 2, 2006.
85. Turbow R, **Van Meurs K**, Fanaroff J. Malpractice and ECMO. 23<sup>rd</sup> Annual Children's National Medical Center Symposium on ECMO and Advanced Therapies for Respiratory Failure. Keystone, CO. February 26-March 1, 2007.
86. Chock VY, **Van Meurs KP**, Chandra Ramamoorthy C, Lazzeroni LC, Stevenson DK. Cerebral monitoring with near-infrared spectroscopy in neonates requiring medical or surgical treatment for a patent ductus arteriosus. 4<sup>th</sup> International Conference on Brain Monitoring and Neuroprotection in the Newborn. Orlando FL, February 20-22, 2009.
87. Davis A, **Van Meurs K**, Lei L, Hintz S. Seizures in extremely low birth weight infants: Association with morbidities, neurodevelopmental outcome and death. Pediatric Academic Society, Baltimore, MD, May 2-5, 2009.
88. Chock VY, Ramamoorthy C, Lazzeroni LC, Stevenson DK, **Van Meurs KP**. Cerebral oxygenation differences in neonates treated for a patent ductus arteriosus with indomethacin or surgical ligation. Pediatric Academic Society, Baltimore, MD, May 2-5, 2009.
89. **Van Meurs KP**, Chock VY, Hintz SR, Ehrenkranz RA, Lemons J, Kendrick D, Stevenson D. Inhaled Nitric Oxide for Preterm Premature Rupture of Membranes, Oligohydramnios, and Pulmonary Hypoplasia, 20<sup>th</sup> Annual International Perinatal Collegium, Newport, Rhode Island, July 19-22, 2009.
90. Chock V, Ramamoorthy C, Buchin A, Stevenson D, **Van Meurs K**. Impairment of autoregulation in neonates treated for a patent ductus arteriosus with indomethacin or surgical ligation. Pediatric Academic Society, Vancouver, Canada, May 1-4, 2010.
91. Askie L, Ballard R, Cutter G, Dani C, Elbourne D, Field D, Hascoet J, Kinsella J, Mercier J, Rich W, Schreiber M, Subhedar N, **Van Meurs K**, Voysey M, Barrington K, Ehrenkranz R, Finer N. Inhaled nitric oxide in preterm infants: An individual patient data meta-analysis. Pediatric Academic Society, Vancouver, Canada, May 1-4, 2010.
92. Chang IJ, **Van Meurs KP**, Stevenson DK, Chock VY. Near-infrared spectroscopy monitoring of regional oxygenation during packed red blood cell transfusions in preterm infants. Pediatric Academic Societies and Asian Society for Pediatric Research, Denver, Colorado, May 3, 2011. E-PAS2011:4521.286



93. Trinh VT, Davis AS, **Van Meurs KP**. Peri-operative monitoring of VLBW infants using aEEG. Pediatric Academic Societies and Asian Society for Pediatric Research, Denver, Colorado, April 30, 2011. E-PAS2011:1425.290
94. **Van Meurs K**, Akula VP, Davis AS, Gould J. Therapeutic hypothermia during neonatal transport in 2010: Data from the California Perinatal Quality Care Collaborative (CPQCC) and the California Perinatal Transport System (CPeTS). International Perinatal Collegium XXII Biennial Meeting, Amalfi, Italy, June 25-29, 2011.
95. Akula VP, Gould J, Davis A, Hackel A, Oehlert J, **Van Meurs K**. Therapeutic Hypothermia During Neonatal Transport: Data from the California Perinatal Quality Care Collaborative (CPQCC) and California Perinatal Transport System (CPeTS) for 2010. Pediatric Academic Societies and Asian Society for Pediatric Research, Boston, Massachusetts, May 1, 2012. E-PAS2012:4507:72
96. Konduri GG, Sokol GM, **Van Meurs KP**, Singer J, Ambalavanan N, Lee T, Solimano A. Early Use of Surfactant and Inhaled Nitric Oxide (INO) Decreases the Risk of Death/ECMO in Neonates with Moderate Respiratory Failure: Sub-Group Analysis of Early INO Trial in Term/Near Term Infants with Hypoxic Respiratory Failure (HRF). Pediatric Academic Societies Annual Meeting, Boston, Massachusetts, April 28, 2012. E-PAS2012:1675.3
97. Chock VY, Oza A, Whittemore AS, **Van Meurs KP**, Silverman NH, Punn R. Predictors of bronchopulmonary dysplasia or death in preterm infants with a patent ductus arteriosus. Pediatric Academic Societies Annual Meeting, Boston, Massachusetts, April 28, 2012. E-PAS2012:1533:550
98. Chock VY, Barlow A, Sebastian VA, **Van Meurs KP**, Reddy VM. Congenital heart disease and prematurity: A comparison of short term outcomes. Pediatric Academic Societies Annual Meeting, Boston, Massachusetts, April 29, 2012. E-PAS2012:2901:18
99. Kracer B, Hintz SR, **Van Meurs KP**, Lee HC. Hypoxic ischemic encephalopathy in the cooling era: Short term outcomes in the state of California. Western Society for Pediatric Research, Carmel, California, January 25, 2013. Abstract 196 (WSPR Mead Johnson Travel Award winner)
100. Truog W, Nelin L, Das A, Kendrick D, Higgins R, Stoll B, Walsh M, Bell E, Carlo W, Laptook A, Sanchez R, Shankaran S, **Van Meurs K**. Inhaled nitric oxide usage in the NICHD Neonatal Research Network: Inter-site variability and propensity analysis. Pediatric Academic Societies Annual Meeting, Washington, D.C., May 7, 2013. E-PAS2013:4165.8
101. Kracer B, **Van Meurs KP**, Hintz SR, Lee HC. Short term outcomes of neonatal hypoxic ischemic encephalopathy in California: The cooling era. Pediatric Academic Societies Annual Meeting, Washington, D.C., May 7, 2013. E-PAS2013:2165.6
102. Ball B, Glennon C, Randall K, Davis A, Wusthoff C, Van Meurs K. Hydrogel electrodes for longer aEEG monitoring: moving from research to routine clinical care. 8<sup>th</sup> International Conference on Brain Monitoring and Neuroprotection in the Newborn, Clearwater Beach, Florida, January 16-18, 2014.
103. Passehl C, Chock V, Davis A, Randall K, Wusthoff C, Van Meurs K. Utilizing neuromonitoring in the NICU to guide clinical decision making. 8<sup>th</sup> International Conference on Brain Monitoring and Neuroprotection in the Newborn, Clearwater Beach, Florida, January 16-18, 2014.
104. Johnson C, Chitkara R, McCarthy E, Fineman JR, Sun C, Lim L, Hintz SR, **Van Meurs KP**, Punn R, Milla CE, Feinstein JA. Longitudinal plasma endothelin-1 levels in premature infants with and without bronchopulmonary dysplasia. Abstract 121. 2014 Western Regional Meeting, Western Society for Pediatric Research, Carmel, CA, January 23-25, 2014.

105. Akula VP, Joe P, Thusu K, Kim S, Shimotake T, Butler S, Honold J, Kuzniewicz NW, DeSandre G, Davis AS, Gould JB, Randall K, Wallenstein M, **Van Meurs KP**. A randomized clinical trial of therapeutic hypothermia during transport for hypoxic ischemic encephalopathy: Device servo-regulated cooling versus standard practice. Abstract 223. 2014 Western Regional Meeting, Western Society for Pediatric Research, Carmel, CA, January 23-25, 2014.
106. Shah NA, **Van Meurs KP**, Davis AS. Amplitude integrated EEG: A national survey of practices. Abstract 408. 2014 Western Regional Meeting, Western Society for Pediatric Research, Carmel, CA, January 23-25, 2014.
107. Akula VP, Joe P, Thusu K, Kim S, Shimotake T, Butler S, Honold J, Kuzniewicz NW, DeSandre G, Davis AS, Gould JB, Randall K, Wallenstein M, **Van Meurs KP**. California Transport Cooling Trial (CTCT), Pediatric Academic Societies Annual Meeting, Vancouver, Canada, May 3, 2014. E-PAS2014.
108. Pappas A, Adams-Chapman I, Shankaran S, McDonald S, Stoll B, Laptook A, Carlo W, **Van Meurs K**, Hintz S, Carlson M, Brumbaugh J, Walsh M, Das A, Higgins R. Outcomes of extremely premature infants with non-hemorrhagic ventriculomegaly. Pediatric Academic Societies Annual Meeting, Vancouver, Canada, May 3, 2014. E-PAS2014:1175.3.
109. Frymoyer A, Hersh AL, Gaskari S, Su F, El-Komy MH, Drover DR, **Van Meurs K**. What is the goal vancomycin trough for neonates with invasive MRSA? Pediatric Academic Societies Annual Meeting, Vancouver, Canada, May 3, 2014. E-PAS2014:1546.715.
110. Shankaran S, Laptook A, Pappas A, McDonald S, Das A, Tyson J, Schibler K, Poindexter B, Bell E, Heyne R, Pedroza C, Bara R, **Van Meurs K**, Huitema C, Devaskar U, Higgins R. Randomized controlled trial of optimizing cooling strategies for neonatal hypoxic-ischemic encephalopathy. Pediatric Academic Societies Annual Meeting, Vancouver, Canada, May 3, 2014. E-PAS2014:2823.8.
111. Foglia E, DeMauro S, Poindexter B, Bell E, Stoll B, **Van Meurs K**, Nolen T, Das A, Higgins R, Schmidt B. Comparison of hospital-based outcomes between infants enrolled in randomized clinical trials and infants who were eligible but not enrolled. Pediatric Academic Societies Annual Meeting, Vancouver, Canada, May 3, 2014. E-PAS2014:2850.7.
112. Shah NA, **Van Meurs KP**, Davis AS. Amplitude-integrated EEG: A survey of U.S. practices. Pediatric Academic Societies Annual Meeting, Vancouver, Canada, May 3, 2014. E-PAS2014:2926.404.
113. Wu YW, Mathur AM, Chang T, Mulkey SB, Mayock DE, **Van Meurs KP**, McKinstry RC, Rogers EE, Massaro, AN, Gonzalez FF, Dong L, Ballard RA, Juul SE. A Phase II Randomized Controlled Trial of Erythropoietin and Hypothermia for Neonatal HIE—Feasibility and Preliminary Data. Child Neurology Society.
114. Frymoyer A, Hersh AL, Stockmann C, Benitz WE, **Van Meurs KP**, Goswami S, Kelzer R. VANCTOOL- A web-based clinical decision support tool. Pediatric Academic Societies Annual Meeting, San Diego, CA, April 25-28, 2015, E-PAS2015:2790.
115. Shankaran S, Pappas A, Bajaj M, Natarajan G, Davis AS, Hintz AS, Adams-Chapman I, Saha S, Das A, Bell EF, Stoll BJ, Walsh MC, Laptook AR, Carlo WA, **Van Meurs KP**, Sanchez PJ, Ball MB, Hale EC, Seabrook R, Higgins RD. Pediatric Academic Societies Annual Meeting, San Diego, CA, April 25-28, 2015, E-PAS2015:3860.
116. Handley SC, Steinhorn RH, Hopper AO, Govindaswanmi B, **Van Meurs KP**, Ariagno RL, Gould JB, Lee HC. Patterns of inhaled nitric oxide use in California NICUs. Pediatric Academic Societies Annual Meeting, San Diego, CA, April 25-28, 2015, E-PAS2015:2894.
117. Yan ES, Wusthoff CJ, Randall KS, Chock VY, Glennon CS, Clark CL, Bonifacio SL, Huntsberry A, Small R, **Van Meurs KP**. The first year of a dedicated Neuro-NICU: Patients, treatments, and outcomes. 9<sup>th</sup> International Brain Monitoring and Neuroprotection Conference, Cork, Ireland, September 30-October 3, 2015.

118. Ivy AS, Bahm SM, Clark CL, **Van Meurs KP**, Wusthoff CJ. Improving the identification of neonatal encephalopathy: Utility of a web-based video tool. Child Neurology Society, Washington, D.C., October 7-10, 2015.
119. Williams CY, **Van Meurs K**, Randall K, Wusthoff CJ. Improving skills in amplitude integrated EEG in the Neonatal Intensive Care Unit. Child Neurology Society, Washington D.C., October 7-10, 2015.
120. Wu Y, Gonzalez F, **Van Meurs K**, Mathur A, Juul S. A Phase II randomized controlled trial of erythropoietin and hypothermia for neonatal neuroprotection in hypoxic-ischemic encephalopathy. WSPR, Carmel, CA, January 28-30, 2016.
121. Massaro AN, Wu YW, Bammler TK, Mathur A, McKinstry R, Chang T, Mayock DE, Mulkey S, **Van Meurs K**, Dong L, Ballard R, Juul S. Plasma biomarkers of brain injury in neonatal HIE. Platform, Pediatric Academic Societies, 2016. E-PAS2016:4615.8
122. Wu YW, Mathur AM, Chang T, Mayock DE, Mulkey SB, **Van Meurs KP**, McKinstry RC, Gonzalez FF, Rogers EE, Massaro, AN, Dong L, Bonifacio S, Glass H, Ballard RA, Comstock BA, Heagerty PJ, Juul SE. Erythropoietin and hypothermia for neonatal neuroprotection: a phase II randomized controlled trial. Platform, Pediatric Academic Societies, 2016. EPAS2016:4615.7
123. Mulkey S, Ramakrishnaiah R, Mathur A, Chang T, Mayock D, **Van Meurs K**, McKinstry R, Gonzalez F, Rogers E, Massaro A, Dong L, Ballard R, Juul S, Wu Y. Brain injury volume in newborns with hypoxic-ischemic encephalopathy (HIE) treated with hypothermia. Poster, Pediatric Academic Societies, 2016. E-PAS2016:4115.146
124. Frymoyer A, Bonifacio S, **Van Meurs K**. Decreased morphine clearance in neonates with HIE receiving hypothermia. Pediatric Academic Societies, Baltimore, MD. April 30-May 2, 2016. E-PAS2016:1220.3
125. Konduri GG, Lau R, Lagatta J, **Van Meurs K**. Admission arterial blood gas PaCO<sub>2</sub> correlates with mortality, ECMO, and length of stay. Pediatric Academic Societies, Baltimore, MD. April 30-May 2, 2016. E-PAS2016:3827.257
126. Bajaj M, Natarajan G, Shankaran S, Saha S, Wyckoff M, Luptook A, Bell EF, Stoll BJ, Carlo WA, Vohr BR, **Van Meurs KP**, Sanchez PJ, D'Angio CT, Das A, Higgins RD, Walsh MC. Delivery room resuscitation in moderately preterm infants. Pediatric Academic Societies, Baltimore, MD. April 30-May 2, 2016. E-PAS2016:2175.8
127. Shankaran S, Luptook A, Pappas A, McDonald S, Das A, Tyson J, Schibler K, Poindexter B, Bell E, Heyne R, Pedroza C, **Van Meurs K**, Grisby C, Huitema C, Higgins R. Randomized controlled trial (RCT) of optimizing cooling strategies for neonatal hypoxic-ischemic encephalopathy (HIE). Pediatric Academic Societies, Baltimore, MD. April 30-May 2, 2016. E-PAS2016:4470.1
128. Sarkar S, Shankaran S, Barks J, Do B, Luptook A, Das A, Ambalavanan N, **Van Meurs K**, Bell E, Sanchez P, Hintz S, Carlo W, Stoll B, Higgins R. Outcome of preterm infants with disappearance of cystic periventricular leukomalacia (cPVL) on serial cranial imaging. Pediatric Academic Societies, Baltimore, MD. April 30-May 2, 2016. E-PAS2016:1450.3
129. Bonifacio SB, MacDonald S, Chock V, Wusthoff C, Hintz S, Luptook A, Higgins R, **Van Meurs K**, Shankaran S. Differences in patient characteristics and care practices in two trials of therapeutic hypothermia. Pediatric Academic Societies, San Francisco, CA, May 6-9, 2017. E-PAS2017: 255722
130. Brumbaugh J, Colaizy T, Saha S, **Van Meurs K**, Das A, Walsh M, Bell E. Oral feeding practices impact discharge timing for moderate preterm infants. Pediatric Academic Societies, San Francisco, CA, May 6-9, 2017. E-PAS2017:255666

131. Lakshmrushimha S, Shankaran S, Laaptook A, McDonald S, **Van Meurs K**, Keszler M, Guillet R, Chawla S, Sood BG, Bonifacio S, Das A, Higgins RD. Pulmonary hypertension during whole body hypothermia: Antecedent characteristics and co-morbidities. Pediatric Academic Societies, San Francisco, CA, May 6-9, 2017. E-PAS2017:256321
132. Chock VY, Bonifacio SL, Wusthoff CJ, **Van Meurs KP**. Cerebral saturation and MRI abnormalities with hypoxic ischemic encephalopathy. Pediatric Academic Societies, San Francisco, CA, May 6-9, 2017. E-PAS2017:
133. Hintz SR, Bann C, Vohr BR, Taylor HG, Gustafson K, Yolton K, Watson V, Lowe J, DeAnda ME, Ball MB, **Van Meurs KP**, Finer N, Shankaran S, Das A, Higgins RD. Bayley-III at 18-22 months corrected age to predict WISC-IV FSIQ at 6-7 years in children born extremely preterm. Pediatric Academic Societies, San Francisco, CA, May 6-9, 2017. E-PAS2017: 255751
134. Hintz SR, Bann C, Vohr BR, Taylor HG, Lowe J, Gustafson K, Yolton K, Watson V, DeAnda ME, Ball MB, **Van Meurs KP**, Finer N, Shankaran S, Barnes P, Bulas D, Slovis T, Hack M, Higgins RD. Neonatal neuroimaging and school age cognitive impairment and disability in children born extremely preterm. Pediatric Academic Societies, San Francisco, CA, May 6-9, 2017. E-PAS2017: 255751

### Invited Lectures

1. Obstetric/Gynecology Grand Rounds, George Washington University Medical Center, "Extracorporeal membrane oxygenation in newborn respiratory failure" September 20, 1989.
2. Pediatric Grand Rounds, The New York Hospital, Cornell Medical Center, "What's new in ECMO", January 17, 1990.
3. Pediatric Grand Rounds, Santa Clara Valley Medical Center, "Meconium aspiration syndrome and persistent pulmonary hypertension of the newborn", November 14, 1990.
4. 12<sup>th</sup> Annual Meeting of the Mid-coastal California Perinatal Outreach Program, Monterey, CA, "Differential diagnosis of newborn hypoxemia", March 26, 1992.
5. Pediatric Grand Rounds, Salinas Memorial Hospital, "Approach to the Cyanotic Newborn", April 17, 1992.
6. 1<sup>st</sup> Annual Arnold H. Einhorn Lectureship in Pediatrics, Children's National Medical Center, Washington, DC, "ECMO and lung transplantation", May 16, 1992.
7. Pediatric Grand Rounds, Lucile Salter Packard Children's Hospital at Stanford, "ECMO update", June 19, 1992.
8. Second Annual Western Conference on Perinatal Medicine and Nursing, San Francisco, CA, "Updated look at ECMO", August 29, 1992.
9. American Academy of Pediatrics, 1992 Annual Meeting, Section on Perinatal Pediatrics. State-of-the-Art Series, Update for the Practicing Pediatrician, "Neonatal persistent pulmonary hypertension and ECMO", October 12, 1992.
10. Lucile Salter Packard Children's Hospital, Update Series - Neonatology, "Neonatal respiratory failure: Treatment alternatives," October 1, 1993.
11. 14<sup>th</sup> Annual Meeting of the Mid-coastal California Perinatal Outreach Program, Monterey, CA, "Options and outcome for infants with respiratory failure-high frequency ventilation, ECMO, and nitric oxide," January 27, 1994.
12. Western Society for Pediatric Research, Carmel, CA, State-of-the-Art Lecture, "Nitric oxide therapy: Facts and unanswered questions", February 10, 1995.
13. Pediatric Grand Rounds, Lucile Salter Packard Children's Hospital at Stanford, "Update on the clinical use of inhaled nitric oxide", May 5, 1995.

14. Loma Linda ECMO Training Course, Loma Linda, CA, "Weaning and trial-off ECMO" and "ECMO emergencies", October 9, 1995.
15. High Sierra Critical Care Conference, Reno, NV, "Differential diagnosis of cyanosis in newborns" and "Inhaled nitric oxide therapy in the neonatal intensive care unit", February 23, 1996.
16. ALA/ATS International Conference, San Francisco, CA, "Adjunct therapies in the management of congenital diaphragmatic hernia", May 19, 1997.
17. 14<sup>th</sup> Annual CNMC Symposium on ECMO and Advanced Therapies for Respiratory Failure, Keystone, CO, "Nuts and bolts of venovenous ECMO," March 1-5, 1998.
18. 15<sup>th</sup> Annual CNMC Symposium on ECMO and Advanced Therapies for Respiratory Failure, Keystone, CO, "Weaning and decannulation," February 22-25, 1999.
19. 3<sup>rd</sup> Annual Loma Linda ECMOlogy Course, Loma Linda, CA, "ECMO and congenital diaphragmatic hernia," June 13, 2000.
20. CHEST 2000, San Francisco, CA, "Inhaled nitric oxide therapy in the intensive care nursery," October 23, 2000.
21. Society for Pediatric Research, Baltimore, MD, "Neonatal controversies: Expanded uses of nitric oxide in the neonate," May 1, 2001.
22. 20<sup>th</sup> Annual CNMC Symposium on ECMO and Advanced Therapies for Respiratory Failure, Keystone, CO, "Controversial issues in ECLS: The pro/con debates - Should premature infants <34 weeks gestation be placed on ECMO?" February 23, 2004.
23. 7<sup>th</sup> Scientific Advisory Board Meeting for INO Therapeutics, Woods Hole, MA, "NIH Neonatal Network premature infant trial results," September 13-14, 2004.
24. Pediatric Grand Rounds, Lucile Packard Children's Hospital at Stanford, "Clinical trials of inhaled nitric oxide use in the premature infant," December 3, 2004.
25. Hot Topics in Neonatology 2004, Washington, DC, "iNO for premature infants," December 12-14, 2004.
26. New Directions in Nitric Oxide Therapy, Houston, TX, "Inhaled nitric oxide for the premature infant with respiratory distress syndrome," January 14, 2005.
27. 16<sup>th</sup> Annual ELSO Conference, Houston, TX, "Pulmonary vasodilators- What's new with inhaled nitric oxide?" September 16, 2005.
28. Mid-Coastal California Perinatal Outreach Program, 2006 Annual Meeting (Perinatal Potpourri), Monterey, California, "Inhaled nitric oxide use in the premature infant", January 19, 2006.
29. 12<sup>th</sup> Annual Conference California Association for Neonatology: Current Topics and Controversies in Perinatal and Neonatal Medicine, San Diego, California, "Update on the uses of inhaled nitric oxide in the premature infant with respiratory distress syndrome", March 4, 2006.
30. Scientific Advisory Board, INO Therapeutics, La Jolla, California, "Inhaled nitric oxide use in the premature infant with respiratory distress syndrome: What's next?" SPA June 3-5, 2006.
31. Expert Advisory Panel, INO Therapeutics, Chicago, Illinois, "Inhaled nitric oxide use for premature infants with severe respiratory failure," June 24, 2006.
32. The 22<sup>nd</sup> Annual Fetus and Newborn: State-of-the-Art Care, San Francisco, California, "Update on Nitric Oxide," October 25, 2006.
33. The 23<sup>rd</sup> Annual Children's National Medical Center Symposium on ECMO and Advanced Therapies for Respiratory Failure, Keystone, Colorado, The Great Debate: The NICHD Premie inhaled Nitric Oxide Trial, February 27, 2007.

34. Expert Advisory Panel, Ikaria, San Francisco, California, "NICHD PiNO trial and neurodevelopmental outcome results," July 27, 2007.
35. SPA/AAP Pediatric Anesthesiology 2008, San Diego, California, "State of the Art: Respiratory Distress Syndrome," April 5, 2008.
36. 29th Annual Mid-Coastal Perinatal Outreach Program Perinatal Potpourri, Monterey, California, "Induced Hypothermia for Hypoxic Ischemic Encephalopathy," January 23, 2009.
37. 20th Annual International Perinatal Collegium, Newport, Rhode Island, "Inhaled Nitric Oxide for Preterm Premature Rupture of Membranes, Oligohydramnios, and Pulmonary Hypoplasia," July 19-22, 2009.
38. 5th Annual Intensive Course in Clinical Research, SPECTRUM Child Health, Palo Alto, CA, "How to get a K grant," September 16, 2010.
39. NIH Consensus Development Conference jointly sponsored by NHLBI, NICHD and OMAR: Inhaled Nitric Oxide for Premature Infants. Invited expert, "Inhaled nitric oxide for premature infants with severe respiratory failure: PiNO trial results", Natcher Center, Bethesda, Maryland, October 27-29, 2010.
40. Pediatric Mentoring Program, Moderator and speaker for K panel, "How to get a NIH K Career Development Award", LKSC, Stanford, California, November 3, 2010.
41. 6th Annual Intensive Course in Clinical Research, SPECTRUM Child Health, Palo Alto, CA, "How to get a K grant", September 15, 2011.
42. 2011 Neonatal Regional Conference: Planting the Seeds of Change, "Therapeutic hypothermia for HIE: Trial results and ongoing challenges", Children's Hospital Central California, Fresno, California, October 14, 2011.
43. Contemporary Management of Neonatal Pulmonary Disorders Conference, "Neonatal ECMO: Changes in Demographics, Practices, and Outcomes", Tempe, Arizona, November 3, 2011.
44. Contemporary Management of Neonatal Pulmonary Disorders Conference, "Inhaled Nitric Oxide in Preterm Infants: Promising Therapy or Expensive Gimmick?" Tempe, Arizona, November 4, 2011.
45. UCSF Neonatal-Perinatal Conference, Transport cooling practices in 2010 and opportunities for quality improvement, San Francisco, California, November 17, 2011.
46. RQI Committee Meeting, California Perinatal Transport System (CPeTS), "Therapeutic hypothermia during neonatal transport: Data from CPeTS and CPQCC for 2010". Richmond, California, December 15, 2011.
47. Neonatology seminar, University of North Carolina, "Prediction of outcome in newborns with hypoxic ischemic encephalopathy using aEEG", Chapel Hill, North Carolina, March 23, 2012.
48. Advances in Fetal and Neonatal Care, "New Approaches for Newborns at Risk for Brain Injury: Creation of the LPCH NeuroNICU", Frances C. Arrillaga Alumni Center, Palo Alto, California, July 18, 2013.
49. CPQCC Pre-California Association of Neonatology Workshop, Disasters in neonatal transport, Natural, Man-made and diagnosis-driven, "Cooling in Transport for newborns with hypoxic ischemic encephalopathy", San Diego, CA, February 28, 2014.
50. XXXIII Congreso Nacional de Pediatría de México (CONAPEME), Hipotermia terapeutica en el recién nacido severamente asfixiado, Mazatlán, Sinaloa, México, April 5, 2014.
51. XXXIII Congreso Nacional de Pediatría de México (CONAPEME), Insuficiencia respiratoria hipoxica en el recién nacido, Mazatlán, Sinaloa, México, April 5, 2014.
52. NeoSimposio 2014, Hernia diafragmatica congénital: Hay algo nuevo en el manejo? Guadalajara, México, July 25, 2014.

53. NeoSimposio 2014, Nuevas opciones in hipotermia para el manejo de EHI. Guadalajara, México, July 26, 2014.
54. XVIII Congreso Nacional de Neonatología, Hipotermia y terapias coadyacentes. León, Guanajuato, México, February 18-21, 2015
55. NeoHeart: Cardiovascular Management of the Neonate, Inhaled nitric oxide in the premature infant, Huntington Beach, California, March 11-14, 2015.
56. IV Encontro Internacional de Neonatologia, Congenital Diaphragmatic Hernia: Update on management and outcomes, Porto Alegre, Brazil, April 9-11, 2015.
57. IV Encontro Internacional de Neonatologia, A decade of experience with therapeutic hypothermia: What's Next? Porto Alegre, Brazil, April 9-11, 2015.
58. IV Encontro Internacional de Neonatologia, New approaches for newborns at risk for brain injury: Creation of the "NeuroNICU". Porto Alegre, Brazil, April 9-11, 2015.
59. American Academy of Pediatrics 2015 National Conference & Exhibition, Joint Session on Perinatal Pediatrics and Section on Surgery – Optimizing Care for the Neonatal Surgical Patient, The CDH Study Group- A possible model for multi-disciplinary collaboration, Washington, D.C., October 24-27, 2015.
60. 5<sup>th</sup> Annual Bubble CPAP and Non-invasive Respiratory Management Conference and Workshop. Inhaled nitric oxide in the premature infant. Washington, D.C., December 5, 2015.
61. Workshop Internacional Pré Congreso- Uso do aEEG em UTI Neonatal. Afixia perinatal e monitorização cerebral- uso e valor preditivo acessado pelo aEEG em encefalopatia hipóxica isquêmica. Rio de Janeiro, Brazil, June 22, 2016.
62. Workshop Internacional Pré Congreso- Uso do aEEG em UTI Neonatal. Near Infrared Spectroscopy- Introdução de sus princípios e aplicabilidade clínica. Rio de Janeiro, Brazil, June 22, 2016.
63. X Simpósio Internacional de Neontologia do Rio De Janeiro, Evidências científicas sobre aplicações clínicas do NIRS na UTI neonatal. Rio de Janeiro, Brazil, June 23-25, 2016.
64. X Simpósio Internacional de Neontologia do Rio De Janeiro, Correlação entre monitorização cerebral e seguimento neurológico de recém-nascidos. Rio de Janeiro, Brazil, June 23-25, 2016.
65. X Simpósio Internacional de Neontologia do Rio De Janeiro, Experiência da Universidade de Stanford com a criação da Neuro-UTI. Rio de Janeiro, Brazil, June 23-25, 2016.
66. NeoSimposio 2016 Morelia, Fundamentos de EEG de amplitude integrada: Su uso e interpretación. Morelia, Mexico, July 28-30, 2016.
67. NeoSimposio 2016 Morelia, Nuevos enfoques para recién nacidos con riesgo de lesión cerebral- Tres años de experiencia en nuestra "Neuro UCIN". Morelia, Mexico, July 28-30, 2016.
68. 23° Congreso Brasileiro de Perinatologia. Novo enfoque para recém-nacidos com lesão cerebral: Três años de experiência com neurointensivismo neonatal. Gramado, Rio Grande do Sul, Brazil, September 14-17, 2016.
69. 23° Congreso Brasileiro de Perinatologia. Encefalopatia hipoxico isquêmica: O insult, o impacto e intervenções. Gramado, Rio Grande do Sul, Brazil, September 14-17, 2016.
70. 23° Congreso Brasileiro de Perinatologia. Diagnóstico em manejo das convulsões neonatais. Gramado, Rio Grande do Sul, Brazil, September 14-17, 2016.
71. XXV Biennial Meeting, International Perinatal Collegium, Development of a NeuroNICU with a broader focus on all newborns at risk for brain injury: The first 2 years' experience. Edinburgh Scotland, July 2-6, 2017.

72. 41<sup>st</sup> International Conference Miami Neonatology 2017, Pre-Conference workshop: Brain Monitoring. Miami, Florida, November 12-15<sup>th</sup>, 2017.
73. 41<sup>st</sup> International Conference Miami Neonatology 2017, Hypoxic ischemic encephalopathy: The insult, impact and interventions. Miami, Florida, November 12-15<sup>th</sup>, 2017.
74. 41<sup>st</sup> International Conference Miami Neonatology 2017, Pre-Conference workshop: Near Infrared spectroscopy: Principles, Evidence and Clinical Application. Miami, Florida, November 12-15<sup>th</sup>, 2017.
75. 1<sup>st</sup> Gulf International Quality Conference, Pre-conference workshop "NeuroNICU course", Hypoxic Ischemic Encephalopathy: Overview of Injury and Interventions. Muscat, Oman, November 29, 2017.
76. 1<sup>st</sup> Gulf International Quality Conference, Pre-conference workshop "NeuroNICU course", Practical tips on the neonatal neurologic exam. Muscat, Oman, November 29, 2017.
77. 1<sup>st</sup> Gulf International Quality Conference, Pre-conference workshop "NeuroNICU course", aEEG and NIRS case studies. Muscat, Oman, November 29, 2017.
78. 1<sup>st</sup> Gulf International Quality Conference, Diagnosis and Management of Neonatal Seizures. Muscat, Oman, December 1-2, 2017.
79. 1<sup>st</sup> Gulf International Quality Conference, Pre-conference workshop. Inhaled nitric oxide use in the premature infant. Muscat, Oman, November 29, 2017.