



Krisa Van Meurs

Rosemarie Hess Professor, Emerita

Pediatrics - Neonatal and Developmental Medicine

CLINICAL OFFICES

- **Neonatology**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

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Bio

CLINICAL FOCUS

- Neonatal-Perinatal Medicine
- neonatal respiratory failure
- persistent pulmonary hypertension of the newborn
- congenital diaphragmatic hernia
- respiratory distress syndrome, newborn
- Extracorporeal Membrane Oxygenation
- neonatal clinical trials
- hypoxic ischemic encephalopathy
- neonatal neurocritical care
- near infrared spectroscopy (NIRS)
- amplitude integrated EEG (aEEG)

ACADEMIC APPOINTMENTS

- Emeritus (Active) Professor, Pediatrics - Neonatal and Developmental Medicine
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Editorial Board, American Journal of Perinatology, (2006- present)
- Member, Appointments and Promotions Committee, (2006-2008)
- Pediatric representative, Faculty Senate, (2004-2007)
- Member, Steering Committee, Extracorporeal Life Support Organization (ELSO), (2002-2008)
- Chair, Communication Committee, Extracorporeal Life Support Organization (ELSO), (2002-2008)

- Member, Quality and Service Committee, LPCH, (2002-2005)
- Co-Chair, Blood and Transfusion Committee, (2000-2005)
- Chair, Education and Training Committee, Extracorporeal Life Support Organization (ELSO), (1997-2000)
- Member, Steering Committee, Extracorporeal Life Support Organization (ELSO), (1997-2000)
- Member, General Clinical Research Advisory Committee, (1997-2000)
- Member, Administrative Panel on Human Subjects in Medical Research, (1992-1995)
- Member, Blood and Transfusion Committee, (1992-2000)
- Vice Chair, Appointments and Promotions, Stanford Univ School of Medicine, (2006-2008)
- Member, Stable of Mentors, Pilot Pediatric Mentoring Program, Dept of Pediatrics, (2007- present)
- Member, Council of Mentors, Spectrum, (2008- present)
- Member, Research Advisory Committee, Dept of Pediatrics, (2008-2012)
- Member, Spectrum Child Health Executive Committee, (2010- present)
- Associate Chair, Clinical Research, Department of Pediatrics, (2009-2012)
- Editor, Neonatology section, Pediatric Research, (2011- present)
- DSMC member, Tolsurf trial, NHLBI, (2010-2011)
- Mentor, Faculty Fellows Program, Stanford University School of Medicine, (2012- present)

HONORS AND AWARDS

- Rosemarie Hess Endowed Chair, Division of Neonatal and Developmental Medicine (June 2012)
- Principal Investigator, Stanford University, Steering Committee, NICHD Neonatal Research Network (2006-)
- Member, Pediatric Academic Society (2006-)
- Member, Cardiology Working Group, Newborn Drug Initiative, Center for Drug Development, NICHD (2003)
- Recognition of Service Excellence (ROSE) Award, Lucile Salter Packard Children's Hospital at Stanford (2002)
- Alternate Principal investigator, Stanford University, NICHD Neonatal Research Network (2001-2005)
- Member, Society for Pediatric Research (1995)
- Guest Researcher, National Research Service Award, Lab of Cellular Metabolism, NHLBI, NIH (1985-1987)

PROFESSIONAL EDUCATION

- Board Certification: Neonatal-Perinatal Medicine, American Board of Pediatrics (2014)
- Medical Education: George Washington University Office of the Registrar (1981) DC
- Fellowship: Children's Hospital National Medical Center (1990) DC
- Residency: Children's Hospital National Medical Center (1985) DC
- Fellowship: National Institutes of Health (1987) MD
- Board Certification: Pediatrics, American Board of Pediatrics (1987)
- M.D., George Washington University , Medicine (1981)
- A.B., Mount Holyoke College , Chemistry (1977)

COMMUNITY AND INTERNATIONAL WORK

- Community Technical Assistance Program, Cotulla, Texas
- Research Assistant, Dept of Coordination, Geneva, Switzerland
- Amigos de las Americas, Manabi and Bolivar, Ecuador

LINKS

- Division on Neonatal and Developmental Medicine: <http://neonatology.stanford.edu/>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research interests include persistent pulmonary hypertension of the newborn, hypoxic respiratory failure, inhaled nitric oxide therapy, ECMO, congenital diaphragmatic hernia, neonatal clinical trials, and the use of aEEG and NIRS to detect brain injury.

CLINICAL TRIALS

- Cycled Phototherapy, Recruiting
- Follow-up Visit of High Risk Infants, Recruiting
- Generic Database of Very Low Birth Weight Infants, Recruiting
- Management of the PDA Trial, Recruiting
- Milrinone in Congenital Diaphragmatic Hernia, Recruiting
- Cool Prime Comparative Effectiveness Study for Mild HIE, Not Recruiting
- TIME Study: Therapeutic Hypothermia for Infants With Mild Encephalopathy, Not Recruiting

Publications

PUBLICATIONS

- **Remote Monitoring for Seizures During Therapeutic Hypothermia in Neonates With Hypoxic-Ischemic Encephalopathy.** *JAMA network open*
Variance, G. F., Dahlen, A., Pirotbom, R. F., Rodrigues, D. P., Magalhães, M., Mimica, M. J., Llaguno, N. S., Leandro, D. M., Giroto, P. N., Sampaio, L. B., Van Meurs, K. P.
2023; 6 (11): e2343429
- **Association of EEG Background and Neurodevelopmental Outcome in Neonates With Hypoxic-Ischemic Encephalopathy Receiving Hypothermia.** *Neurology*
Glass, H. C., Numis, A. L., Comstock, B. A., Gonzalez, F. F., Mietzsch, U., Bonifacio, S. L., Massey, S., Thomas, C., Natarajan, N., Mayock, D. E., Sokol, G. M., Van Meurs, K. P., Ahmad, et al
2023
- **Tissue Oxygenation Changes After Transfusion and Outcomes in Preterm Infants: A Secondary Near-Infrared Spectroscopy Study of the Transfusion of Prematures Randomized Clinical Trial (TOP NIRS).** *JAMA network open*
Chock, V. Y., Kirpalani, H., Bell, E. F., Tan, S., Hintz, S. R., Ball, M. B., Smith, E., Das, A., Loggins, Y. C., Sood, B. G., Chalak, L. F., Wyckoff, M. H., Kicklighter, et al
2023; 6 (9): e2334889
- **Use of term reference infants in assessing the developmental outcome of extremely preterm infants: lessons learned in a multicenter study.** *Journal of perinatology : official journal of the California Perinatal Association*
Green, C. E., Tyson, J. E., Heyne, R. J., Hintz, S. R., Vohr, B. R., Bann, C. M., Das, A., Bell, E. F., Debsareea, S. B., Stephens, E., Gantz, M. G., Petrie Huitema, C. M., Johnson, et al
2023
- **Cerebral oxygen saturation in neonates: a bedside comparison between neonatal and adult NIRS sensors.** *Pediatric research*
Variance, G. F., Dahlen, A., Noh, C. Y., Zeng, J., Yan, E. S., Kaneko, J. S., Gouveia, M. S., Van Meurs, K. P., Chock, V. Y.
2023
- **Potential Missed Opportunities for Antenatal Corticosteroid Exposure and Outcomes Among Periviable Births: Observational Cohort Study** *OBSTETRICAL & GYNECOLOGICAL SURVEY*
Travers, C. I., Hansen, N., Das, A. A., Rysavy, M. F., Bell, E., Ambalavanan, N., Peralta-Carcelen, M. T., Tita, A. P., van Meurs, K. A., Carlo, W., Eunice Kennedy Shriver, Human Dev Neonatal Res Network
2023; 78 (5): 253-254

- **Heterogeneity of Treatment Effects of Hydrocortisone by Risk of Bronchopulmonary Dysplasia or Death Among Extremely Preterm Infants in the National Institute of Child Health and Human Development Neonatal Research Network Trial: A Secondary Analysis of a Randomized Clinical Trial.** *JAMA network open*
Gentle, S. J., Rysavy, M. A., Li, L., Laughon, M. M., Patel, R. M., Jensen, E. A., Hintz, S., Ambalavanan, N., Carlo, W. A., Watterberg, K.
2023; 6 (5): e2315315
- **Newer indications for neuromonitoring in critically ill neonates.** *Frontiers in pediatrics*
Variance, G. F., Pietrobom, R. F., Noh, C. Y., Van Meurs, K. P., Chock, V. Y.
2023; 11: 1111347
- **Early Life Outcomes in Relation to Social Determinants of Health for Children Born Extremely Preterm.** *The Journal of pediatrics*
Brumbaugh, J. E., Vohr, B. R., Bell, E. F., Bann, C. M., Travers, C. P., McGowan, E. C., Harmon, H. M., Carlo, W. A., Duncan, A. F., Hintz, S. R.
2023: 113443
- **Group trauma focused cognitive behavior therapy for parents of premature infants compared to individual therapy intervention.** *Early human development*
Shaw, R. J., Moreyra, A., Simon, S., Wharton, E., Downtin, L. L., Armer, E., Goldman, L. W., Borkovi, T., Neri, E., Jo, B., Hintz, S., Van Meurs, K., Horwitz, et al
2023; 181: 105773
- **Correction To: Early nitric oxide is not associated with improved outcomes in congenital diaphragmatic hernia.** *Pediatric research*
Noh, C. Y., Chock, V. Y., Bhombal, S., Danzer, E., Patel, N., Dahlen, A., Harting, M. T., Lally, K. P., Ebanks, A. H., Van Meurs, K. P.
2023
- **Optimal neuromonitoring techniques in neonates with hypoxic ischemic encephalopathy.** *Frontiers in pediatrics*
Chock, V. Y., Rao, A., Van Meurs, K. P.
2023; 11: 1138062
- **Antiseizure medication at discharge in infants with hypoxic-ischaemic encephalopathy: an observational study.** *Archives of disease in childhood. Fetal and neonatal edition*
Sewell, E. K., Shankaran, S., McDonald, S. A., Hamrick, S., Wusthoff, C. J., Adams-Chapman, I., Chalak, L. F., Davis, A. S., Van Meurs, K., Das, A., Maitre, N., Lupton, A., Patel, et al
2023
- **Early nitric oxide is not associated with improved outcomes in congenital diaphragmatic hernia.** *Pediatric research*
Noh, C. Y., Chock, V. Y., Bhombal, S., Danzer, E., Patel, N., Dahlen, A., Harting, M. T., Lally, K. P., Ebanks, A. H., Van Meurs, K. P.
2023
- **Editorial: Advances in the use of neuromonitoring in newborns.** *Frontiers in pediatrics*
Chock, V. Y., Van Meurs, K. P.
2023; 11: 1215991
- **Risk of seizures in neonates with hypoxic-ischemic encephalopathy receiving hypothermia plus erythropoietin or placebo.** *Pediatric research*
Glass, H. C., Wusthoff, C. J., Comstock, B. A., Numis, A. L., Gonzalez, F. F., Maitre, N., Massey, S. L., Mayock, D. E., Mietzsch, U., Natarajan, N., Sokol, G. M., Bonifacio, S. L., Van Meurs, et al
2022
- **Incidence of and Neurodevelopmental Outcomes After Late-Onset Meningitis Among Children Born Extremely Preterm.** *JAMA network open*
Brumbaugh, J. E., Bell, E. F., Do, B. T., Greenberg, R. G., Stoll, B. J., DeMauro, S. B., Harmon, H. M., Hintz, S. R., Das, A., Puopolo, K. M.
2022; 5 (12): e2245826
- **Correction: Adverse short- and long-term outcomes among infants with mild neonatal encephalopathy.** *Pediatric research*
Akula, V. P., Sriram, A., Xu, S., Walsh, E., Van Meurs, K., Cranshaw, M., Kuzniewicz, M. W.
2022
- **Prenatal management of congenital diaphragmatic hernia.** *Seminars in fetal & neonatal medicine*
Danzer, E., Rintoul, N. E., van Meurs, K. P., Deprest, J.
2022: 101406
- **Exposure to umbilical cord management approaches and death or neurodevelopmental impairment at 22-26 months' corrected age after extremely preterm birth.** *Archives of disease in childhood. Fetal and neonatal edition*
Handley, S. C., Kumbhat, N., Eggleston, B., Foglia, E. E., Davis, A. S., Van Meurs, K., Lakshminrusimha, S., Walsh, M., Watterberg, K. L., Wyckoff, M. H., Das, A., DeMauro, S. B.

2022

- **GROUP VS INDIVIDUAL TRAUMA-FOCUSED CBT FOR PARENTS OF PREMATURE INFANTS**
Shaw, R., Moreyra, A., Simon, S., Wharton, E., Dowtin, L., Armer, E., Goldman, L., Borkovi, T., Neri, E., Jo, B., Hintz, S., Van Meurs, K., Horwitz, et al
ELSEVIER SCIENCE INC.2022: S191
- **Impact of Repeat Extracorporeal Life Support on Mortality and short-term in-hospital Morbidities in Neonates with Congenital Diaphragmatic Hernia.** *Annals of surgery*
Danzer, E., Harting, M. T., Dahlen, A., Mesas Burgos, C., Frenckner, B., Lally, K. P., Ebanks, A. H., van Meurs, K. P., Congenital Diaphragmatic Hernia Study Group
2022
- **Altered biventricular function in neonatal hypoxic-ischaemic encephalopathy: a case-control echocardiographic study.** *Cardiology in the young*
Altit, G., Bonifacio, S. L., Guimaraes, C. V., Sivakumar, G., Yan, B., Chock, V., Van Meurs, K., Bhombal, S.
2022: 1-10
- **Association of Antenatal Steroid Exposure at 21 to 22 Weeks of Gestation With Neonatal Survival and Survival Without Morbidities.** *JAMA network open*
Chawla, S., Wyckoff, M. H., Rysavy, M. A., Patel, R. M., Chowdhury, D., Natarajan, G., Laptook, A. R., Lakshminrusimha, S., Bell, E. F., Shankaran, S., Van Meurs, K. P., Ambalavanan, N., Greenberg, et al
2022; 5 (9): e2233331
- **Adverse short- and long-term outcomes among infants with mild neonatal encephalopathy.** *Pediatric research*
Akula, V. P., Sriram, A., Xu, S., Walsh, E., Van Meurs, K., Cranshaw, M., Kuzniwiecz, M.
2022
- **Image-based prenatal predictors of postnatal survival, extracorporeal life support, and defect size in right congenital diaphragmatic hernia.** *Journal of perinatology : official journal of the California Perinatal Association*
Danzer, E., Chock, V. Y., Chung, S., Noh, C. Y., Lally, P. A., Harting, M. T., Lally, K. P., Perrone, E. E., Ebanks, A. H., van Meurs, K. P.
2022
- **Trial of Erythropoietin for Hypoxic-Ischemic Encephalopathy in Newborns.** *The New England journal of medicine*
Wu, Y. W., Comstock, B. A., Gonzalez, F. F., Mayock, D. E., Goodman, A. M., Maitre, N. L., Chang, T., Van Meurs, K. P., Lampland, A. L., Bendel-Stenzel, E., Mathur, A. M., Wu, T., Riley, et al
2022; 387 (2): 148-159
- **Ductus arteriosus and the preterm brain.** *Archives of disease in childhood. Fetal and neonatal edition*
Chock, V. Y., Bhombal, S., Variane, G. F., Van Meurs, K. P., Benitz, W. E.
2022
- **Cortisol awakening response and developmental outcomes at 6-7 years in children born extremely preterm.** *Pediatric research*
Lowe, J., Fuller, J. F., Dempsey, A. G., Do, B., Bann, C. M., Das, A., Gustafson, K. E., Vohr, B. R., Hintz, S. R., Watterberg, K. L., SUPPORT NEURO School-Age Study Subcommittee of the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network, Jobe, A. H., Caplan, M. S., et al
2022
- **Introduction.** *Seminars in perinatology*
Van Meurs, K. P., Wilson Archer, S.
2022: 151633
- **Neuroprotection for hypoxic-ischemic encephalopathy: Contributions from the neonatal research network.** *Seminars in perinatology*
Bonifacio, S. L., Chalak, L. F., Van Meurs, K. P., Laptook, A. R., Shankaran, S.
2022: 151639
- **The effects of betamethasone on the amplitude integrated EEG of infants born at 34- or 35-weeks gestation.** *Journal of perinatology : official journal of the California Perinatal Association*
Laptook, A. R., Chalak, L., Pappas, A., Davis, A., Sanchez, P. J., Van Meurs, K. P., Oh, W., Sommers, R., Shankaran, S., Hensman, A. M., Rouse, D. J., McDonald, S., Das, et al
2022
- **Potential missed opportunities for antenatal corticosteroid exposure and outcomes among periviable births: observational cohort study.** *BJOG : an international journal of obstetrics and gynaecology*

Travers, C. P., Hansen, N. I., Das, A., Rysavy, M. A., Bell, E. F., Ambalavanan, N., Peralta-Carcelen, M., Tita, A. T., Van Meurs, K. P., Carlo, W. A., Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network
2022

- **Association between multi-organ dysfunction and adverse outcome in infants with hypoxic ischemic encephalopathy.** *Journal of perinatology : official journal of the California Perinatal Association*
Yan, E. S., Chock, V. Y., Bonifacio, S. L., Dahlen, A., Guimaraes, C. V., Altit, G., Bhombal, S., Van Meurs, K.
2022
- **Early brain and abdominal oxygenation in extremely low birth weight infants.** *Pediatric research*
Chock, V. Y., Smith, E., Tan, S., Ball, M. B., Das, A., Hintz, S. R., Kirpalani, H., Bell, E. F., Chalak, L. F., Carlo, W. A., Cotten, C. M., Widness, J. A., Kennedy, et al
2022
- **Mild hypoxic-ischemic encephalopathy (HIE): timing and pattern of MRI brain injury.** *Pediatric research*
Li, Y., Wisnowski, J. L., Chalak, L., Mathur, A. M., McKinstry, R. C., Licona, G., Mayock, D. E., Chang, T., Van Meurs, K. P., Wu, T., Ahmad, K. A., Cornet, M., Rao, et al
2022
- **Hydrocortisone to Improve Survival without Bronchopulmonary Dysplasia.** *The New England journal of medicine*
Watterberg, K. L., Walsh, M. C., Li, L., Chawla, S., D'Angio, C. T., Goldberg, R. N., Hintz, S. R., Laughon, M. M., Yoder, B. A., Kennedy, K. A., McDavid, G. E., Backstrom-Lacy, C., Das, et al
2022; 386 (12): 1121-1131
- **Image-based prenatal predictors correlate with postnatal survival, extracorporeal life support use, and defect size in left congenital diaphragmatic hernia.** *Journal of perinatology : official journal of the California Perinatal Association*
Perrone, E. E., Karmakar, M., Lally, P. A., Chung, S., Kipfmuller, F., Morini, F., Phillips, R., Van Meurs, K. P., Harting, M. T., Mychaliska, G. B., Lally, K. P., Congenital Diaphragmatic Hernia Study Group
2022
- **Mortality, In-Hospital Morbidity, Care Practices, and 2-Year Outcomes for Extremely Preterm Infants in the US, 2013-2018.** *JAMA*
Bell, E. F., Hintz, S. R., Hansen, N. I., Bann, C. M., Wyckoff, M. H., DeMauro, S. B., Walsh, M. C., Vohr, B. R., Stoll, B. J., Carlo, W. A., Van Meurs, K. P., Rysavy, M. A., Patel, et al
1800; 327 (3): 248-263
- **Duration of noninvasive respiratory support and risk for bronchopulmonary dysplasia or death** *JOURNAL OF PERINATOLOGY*
Gentle, S. J., Carper, B., Laughon, M. M., Jensen, E. A., Williams, A., Travers, C. P., Ambalavanan, N., Lal, C., Carlo, W. A., Polin, R. A., Laptook, A. R., Keszler, M., Hensman, et al
2022
- **Blanket temperature during therapeutic hypothermia and outcomes in hypoxic ischemic encephalopathy** *JOURNAL OF PERINATOLOGY*
Flibotte, J., Laptook, A. R., Shankaran, S., McDonald, S. A., Baserga, M. C., Bell, E. F., Cotten, C., Das, A., DeMauro, S. B., DuPont, T. L., Eichenwald, E. C., Heyne, R., Jensen, et al
2022
- **Standardized Evaluation of Cord Gases in Neonates at Risk for Hypoxic Ischemic Encephalopathy.** *Hospital pediatrics*
Blecharczyk, E., Lee, L., Birnie, K., Gupta, A., Davis, A., Van Meurs, K., Bonifacio, S., Frymoyer, A.
2021
- **Association Between Increased Seizures During Rewarming After Hypothermia for Neonatal Hypoxic Ischemic Encephalopathy and Abnormal Neurodevelopmental Outcomes at 2-Year Follow-up: A Nested Multisite Cohort Study.** *JAMA neurology*
Chalak, L. F., Pappas, A., Tan, S., Das, A., Sánchez, P. J., Laptook, A. R., Van Meurs, K. P., Shankaran, S., Bell, E. F., Davis, A. S., Heyne, R. J., Pedroza, C., Poindexter, et al
2021; 78 (12): 1484-1493
- **Association of Increased Seizures During Rewarming With Abnormal Neurodevelopmental Outcomes at 2-Year Follow-up: A Nested Multisite Cohort Study.** *JAMA neurology*
Chalak, L. F., Pappas, A., Tan, S., Das, A., Sanchez, P. J., Laptook, A. R., Van Meurs, K. P., Shankaran, S., Bell, E. F., Davis, A. S., Heyne, R. J., Pedroza, C., Poindexter, et al
2021

- **Initial Laparotomy Versus Peritoneal Drainage in Extremely Low Birthweight Infants With Surgical Necrotizing Enterocolitis or Isolated Intestinal Perforation: A Multicenter Randomized Clinical Trial.** *Annals of surgery*
Blakely, M. L., Tyson, J. E., Lally, K. P., Hintz, S. R., Eggleston, B., Stevenson, D. K., Besner, G. E., Das, A., Ohls, R. K., Truog, W. E., Nelin, L. D., Poindexter, B. B., Pedroza, et al
2021; 274 (4): e370-e380
- **In-Hospital Morbidities for Neonates With Congenital Diaphragmatic Hernia: The Impact of Defect Size and Laterality.** *The Journal of pediatrics*
Chock, V. Y., Danzer, E., Chung, S., Noh, C. Y., Ebanks, A. H., Harting, M. T., Lally, K. P., Van Meurs, K. P., Congenital Diaphragmatic Hernia Study Group
2021
- **Hemodynamic optimization for neonates with neonatal encephalopathy caused by a hypoxic ischemic event: Physiological and therapeutic considerations.** *Seminars in fetal & neonatal medicine*
Rios, D. R., Lapointe, A., Schmolzer, G. M., Mohammad, K., VanMeurs, K. P., Keller, R. L., Sehgal, A., Lakshminrusimha, S., Giesinger, R. E.
2021; 26 (4): 101277
- **Mortality in Congenital Diaphragmatic Hernia: A Multicenter Registry Study of Over 5000 Patients Over 25 Years.** *Annals of surgery*
Gupta, V. S., Harting, M. T., Lally, P. A., Miller, C. C., Hirschl, R. B., Davis, C. F., Dassinger, M. S., Buchmiller, T. L., Van Meurs, K. P., Yoder, B. A., Stewart, M. J., Lally, K. P., Congenital Diaphragmatic Hernia Study Group
2021
- **Association of High Screen-Time Use With School-age Cognitive, Executive Function, and Behavior Outcomes in Extremely Preterm Children.** *JAMA pediatrics*
Vohr, B. R., McGowan, E. C., Bann, C., Das, A., Higgins, R., Hintz, S., Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network, Ambalavanan, N., Carlo, W. A., Collins, M. V., Cosby, S. S., Domnanovich, K. A., Kiser, C. R., et al
2021
- **Growth Rates of Infants Randomized to CPAP or Intubation After Extremely Preterm Birth.** *The Journal of pediatrics*
Salas, A. A., Carlo, W. A., Do, B. T., Bell, E. F., Das, A., Van Meurs, K. P., Poindexter, B. B., Shankaran, S., Younge, N., Watterberg, K. L., Higgins, R. D., Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) Neonatal Research Network
2021
- **Acute and Chronic Placental Abnormalities in a Multicenter Cohort of Newborn Infants With Hypoxic-Ischemic Encephalopathy.** *The Journal of pediatrics*
Chalak, L., Redline, R. W., Goodman, A. M., Juul, S. E., Chang, T., Yanowitz, T. D., Maitre, N., Mayock, D. E., Lampland, A. L., Bendel-Stenzel, E., Riley, D., Mathur, A. M., Rao, et al
2021
- **DNA methylation in former extremely low birth weight newborns: association with cardiovascular and endocrine function.** *Pediatric research*
Padbury, J. F., Do, B. T., Bann, C. M., Marsit, C., Hintz, S. R., Vohr, B. R., Lowe, J., Newman, J. E., Granger, D. A., Payne, A., Watterberg, K., SUPPORT Study Group of the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network, Carlo, W. A., et al
2021
- **Neurodevelopmental outcome of preterm infants enrolled in myo-inositol randomized controlled trial.** *Journal of perinatology : official journal of the California Perinatal Association*
Adams-Chapman, I., Watterberg, K. L., Nolen, T. L., Hirsch, S., Cole, C. A., Cotten, C. M., Oh, W., Poindexter, B. B., Zaterka-Baxter, K. M., Das, A., Lacy, C. B., Scorson, A. M., Duncan, et al
2021
- **Outcomes of infants with hypoxic ischemic encephalopathy and persistent pulmonary hypertension of the newborn: results from three NICHD studies.** *Journal of perinatology : official journal of the California Perinatal Association*
Agarwal, P., Shankaran, S., Lupton, A. R., Chowdhury, D., Lakshminrusimha, S., Bonifacio, S. L., Natarajan, G., Chawla, S., Keszler, M., Heyne, R. J., Ambalavanan, N., Walsh, M. C., Das, et al
2021
- **Umbilical Cord Milking versus Delayed Cord Clamping and Associations with In-Hospital Outcomes among Extremely Premature Infants.** *The Journal of pediatrics*
Kumbhat, N. n., Eggleston, B. n., Davis, A. S., DeMauro, S. B., Van Meurs, K. P., Foglia, E. E., Lakshminrusimha, S. n., Walsh, M. C., Watterberg, K. L., Wyckoff, M. H., Das, A. n., Handley, S. C.
2021
- **Limitations of Conventional Magnetic Resonance Imaging as a Predictor of Death or Disability Following Neonatal Hypoxic-Ischemic Encephalopathy in the Late Hypothermia Trial.** *The Journal of pediatrics*

- Laptook, A. R., Shankaran, S., Barnes, P., Rollins, N., Do, B. T., Parikh, N. A., Hamrick, S., Hintz, S. R., Tyson, J. E., Bell, E. F., Ambalavanan, N., Goldberg, R. N., Pappas, et al
2020
- **In-hospital mortality and morbidity among extremely preterm infants in relation to maternal body mass index.** *Journal of perinatology : official journal of the California Perinatal Association*
Chawla, S., Laptook, A. R., Smith, E. A., Tan, S., Natarajan, G., Wyckoff, M. H., Ambalavanan, N., Bell, E. F., Van Meurs, K. P., Stevenson, D. K., Werner, E. F., Greenberg, R. G., Das, et al
2020
 - **Theophylline dosing and pharmacokinetics for renal protection in neonates with hypoxic-ischemic encephalopathy undergoing therapeutic hypothermia.** *Pediatric research*
Frymoyer, A., Van Meurs, K. P., Drover, D. R., Klawitter, J., Christians, U., Chock, V. Y.
2020
 - **Outcomes Following Post-Hemorrhagic Ventricular Dilatation among Extremely Low Gestational Age Infants.** *The Journal of pediatrics*
Shankaran, S., Bajaj, M., Natarajan, G., Saha, S., Pappas, A., Davis, A. S., Hintz, S. R., Adams-Chapman, I., Das, A., Bell, E. F., Stoll, B. J., Walsh, M. C., Laptook, et al
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