Stanford



Valerie Chock

Professor of Pediatrics (Neonatology) and, by courtesy, of Obstetrics and Gynecology (Maternal Fetal Medicine)

Pediatrics - Neonatology

CLINICAL OFFICE (PRIMARY)

- **Pediatric Neonatology**

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  Palo Alto, CA 94304

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Bio

CLINICAL FOCUS

- Neonatal-Perinatal Medicine
- Neonatology

ACADEMIC APPOINTMENTS

- Professor-Univ Med Line, Pediatrics - Neonatology
- Professor-Univ Med Line (By courtesy), Obstetrics & Gynecology - Maternal Fetal Medicine
- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Professor, Division of Neonatal and Developmental Medicine, Stanford University, (2005- present)
- Associate Director for Neonatal Prenatal Consultation Services, Center for Fetal and Maternal Health, LPCH, (2010- present)
- Assistant Program Director, Neonatology Fellowship Program, Division of Neonatal and Developmental Medicine, Stanford University, (2016-present)
- Associate Chief for Clinical Research, Division of Neonatal and Developmental Medicine, (2023- present)

HONORS AND AWARDS

- Stanford Global Health Seed Grant, Stanford Maternal and Child Health Research Institute and Center for Innovation in Global Health (Sept 2023)
- Arline and Pete Harman Endowed Faculty Scholar, Stanford Maternal and Child Health Research Institute (Sept 2020-2023)
- Pediatric Heart Center Research Award, Stanford Pediatric Research Fund-Lucile Packard Foundation for Children's Health (March 2010-March 2012)
- Pilot Early Career Award, Stanford Pediatric Research Fund- Child Health Research Program (Jan 2008-2010)
- NIH Mentored Career Development Award (KL2), Stanford Center for Clinical Translational Education and Research (2009-2011)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Global Health Faculty Fellow, Center for Innovation in Global Health (2023 - present)

PROFESSIONAL EDUCATION

- Medical Education: University of Hawaii at Manoa John A Burns School of Medicine (1998) HI
- Residency: UCSF Pediatric Residency (2001) CA
- Internship: UCSF Pediatric Residency (1999) CA
- Board Certification: Pediatrics, American Board of Pediatrics (2001)
- Board Certification: Neonatal-Perinatal Medicine, American Board of Pediatrics (2005)
- M.S. Epi, Stanford University , Clinical Epidemiology (2011)
- Fellowship, Stanford Lucile Packard Children's Hospital , Neonatology (2005)

COMMUNITY AND INTERNATIONAL WORK

- Reducing Intraventricular Hemorrhage in Premature Infants in Brazil
- Protecting Newborn Brains: U.S.-Brazil Telemedicine Initiative, Sao Paulo, Brazil

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Neurological monitoring in critically ill infants. Altered hemodynamics in neonates, especially in relation to prematurity, congenital heart disease, and central nervous system injury. Determination of the hemodynamic significance and effects of a patent ductus arteriosus in the preterm infant. Utilizing NIRS (near-infrared spectroscopy) and other technologies for improved monitoring in the NICU.

CLINICAL TRIALS

- Cool Prime Comparative Effectiveness Study for Mild HIE, Recruiting
- Neonatal Platelet Transfusion Threshold Trial, Recruiting
- Brain Oxygenation-II, Not Recruiting
- Cerebral Oxygenation and Autoregulation in Preterm Infants, Not Recruiting
- Darbepoetin Trial to Improve Red Cell Mass and Neuroprotection in Preterm Infants, Not Recruiting
- High-dose Erythropoietin for Asphyxia and Encephalopathy, Not Recruiting
- Hydrocortisone for BPD, Not Recruiting
- Milrinone in Congenital Diaphragmatic Hernia, Not Recruiting
- Moderately Preterm Infants With Caffeine at Home for Apnea (MoCHA) Trial, Not Recruiting
- Neonatal Brain Oxygenation Study, Not Recruiting
- Percutaneous Intervention Versus Observational Trial of Arterial Ductus in Low Weight Infants, Not Recruiting
- Transfusion of Prematures Trial, Not Recruiting
- Pivotal Study to Assess Safety and Performance of Neola®, a Novel Lung Monitoring Device for Neonates, Not Specified

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Julie Uchitel

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Neonatal-Perinatal Medicine (Fellowship Program)

Publications

PUBLICATIONS

- **From promise to practice: digital health through the lens of neonatal care.** *Lancet regional health. Americas*
  Variane, G. F., Leandro, D. M., Mimica, M. J., Austin, T., Chock, V. Y., Craig, A., Mohammad, K., Van Meurs, K. P.
  2026; 63: 101600

- **From promise to practice: digital health through the lens of neonatal care** *LANCET REGIONAL HEALTH-AMERICAS*
  Variane, G., Leandro, D., Mimica, M., Austin, T., Chock, V. Y., Craig, A., Mohammad, K., Van Meurs, K.
  2026; 63

- **Red Blood Cell Transfusions: Evidence Favors a Restrictive Approach in Neonates.** *Anesthesia and analgesia*
  Stevenson, D. K., Wong, R. J., Chock, V. Y., Pașca, A. M., Ahern, T. L.
  2026; 143 (2): 217-219

- **Triglyceride profiles in preterm infants reveal dynamic and age-specific trajectories.** *Frontiers in pediatrics*
  Gertel, E. R., Ding, V. Y., Phongpreecha, T., Xie, F., Parsons, A., Marić, I., Aghaeepour, N., Sylvester, K. G., Chock, V. Y., Kerner, J. A., Martin, C. R., Stevenson, D. K., Shaw, et al
  2026; 14: 1777798

- **Intraventricular hemorrhage in preterm newborns: a multicenter study in four Brazilian hospitals.** *Jornal de pediatria*
  Variane, G. F., Leandro, D. M., de Azevedo, S. S., Mimica, M. J., Magalhães, M., Van Meurs, K. P., Chock, V. Y.
  2026: 101574

- **Elevated serum creatinine over the first week of life and mortality risk in extremely preterm neonates: a secondary analysis of the Preterm Erythropoietin Neuroprotection Trial (PENUT).** *Pediatric nephrology (Berlin, Germany)*
  Zhou, M. S., Griffin, R., Askenazi, D. J., Slagle, C. L., Chock, V. Y., Menon, S.
  2026

- **Expectant Management vs Medication for Patent Ductus Arteriosus in Preterm Infants The PDA Randomized Clinical Trial** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
  Laughon, M. M., Thomas, S. M., Watterberg, K. L., Kennedy, K. A., Keszler, M., Ambalavanan, N., Davis, A. S., Slaughter, J. L., Guillet, R., Colaizy, T. T., Cotten, C., Dhawan, M. A., Bose, et al
  2026; 335 (7): 588-599

- **Comparison of Near-Infrared Spectroscopy and Traditional Parameters for Monitoring Neonates with Aortic Coarctation.** *Pediatric cardiology*
  Sharp, D. P., Kochanski, J., Lee, S., Weigel, N., Maskatia, S. A., Bhombal, S., Chock, V. Y.
  2026

- **Inpatient skin-to-skin care in infants with congenital kidney failure: a single-center retrospective cohort study.** *Journal of perinatology : official journal of the California Perinatal Association*
  Zhou, M. S., Davis, A. S., Wong, C. J., Menon, S., Chock, V. Y.
  2026

- **Expectant Management vs Medication for Patent Ductus Arteriosus in Preterm Infants: The PDA Randomized Clinical Trial.** *JAMA*
  Laughon, M. M., Thomas, S. M., Watterberg, K. L., Kennedy, K. A., Keszler, M., Ambalavanan, N., Davis, A. S., Slaughter, J. L., Guillet, R., Colaizy, T. T., Cotten, C. M., Dhawan, M. A., Bose, et al
  2025

- **Hydrocortisone in Preterm Infants and School-Age Functional Outcomes: Follow-Up of a Randomized Clinical Trial.** *JAMA pediatrics*
  DeMauro, S. B., Kirpalani, H., Hintz, S., Watterberg, K. L., Watson, V., Lowe, J., Shankaran, S., Chawla, S., Vohr, B., Msall, M. E., D'Angio, C. T., Yoder, B. A., Lai, et al
  2025

- **Acute Kidney Injury and Neurodevelopmental Outcomes in Extremely Premature Neonates: A Secondary Analysis of a Randomized Clinical Trial.** *JAMA network open*
  Hanna, M., Chock, V. Y., Kamath, N., Raj, A., Swanson, J. R., Griffin, R., Askenazi, D. J., Nesargi, S.
  2025; 8 (11): e2543270

- **Digital neonatal neurocritical care in Brazil: a retrospective multicentre cohort study of over 11,000 remotely monitored infants.** *Lancet regional health. Americas*
  Variane, G. F., Leandro, D. M., Azevedo, S. S., Rodrigues, R. F., Sampaio, L. B., Girotto, P. N., Magalhães, M., Netto, A., Mimica, M. J., Chock, V. Y., Van Meurs, K. P.
  2025; 51: 101233

- **Early postnatal echocardiographic characteristics impact survival and extracorporeal life support in congenital diaphragmatic hernia.** *Pediatric research*
  Noh, C. Y., Danzer, E., Bhombal, S., Chock, V. Y., Patel, N., Dahlen, A., Harting, M. T., Lally, K. P., Ebanks, A. H., Van Meurs, K. P., Congenital Diaphragmatic Hernia Study Group
  2025

- **Early Intratracheal Budesonide to Reduce Bronchopulmonary Dysplasia in Extremely Preterm Infants: The Budesonide in Babies (BiB) Randomized Clinical Trial.** *JAMA*
  Ambalavanan, N., Carlo, W. A., Nowak, K. J., Wiener, L. E., Cosby, S. S., Bhatt, A. J., Watterberg, K. L., Poindexter, B. B., Keszler, M., D'Angio, C. T., Brion, L. P., Narendran, V., Rau, et al
  2025

- **Digital neonatal neurocritical care in Brazil: a retrospective multicentre cohort study of over 11,000 remotely monitored infants** *LANCET REGIONAL HEALTH-AMERICAS*
  Variane, G., Leandro, D., de Azevedo, S., Rodrigues, R., Sampaio, L., Girotto, P., Magalhaes, M., Netto, A., Mimica, M., Chock, V. Y., Van Meurs, K.
  2025; 51

- **Evaluating the efficacy and safety of milrinone for prevention of post-patent ductus arteriosus closure syndrome (the MIDAS trial) in extremely preterm infants: a multicentre, double-masked, randomised, placebo-controlled trial.** *BMJ open*
  McNamara, P. J., Chock, V. Y., Rahde-Bischoff, A., Gabrio, J., Johnson, K., Harmon, H., Montoya-Williams, D., Colaizy, T., Katheria, A. C., Ines, F., Sorrells, K., Battersby, C., Levy, et al
  2025; 15 (8): e105018

- **Respiratory Outcomes After Transcatheter vs Surgical Patent Ductus Arteriosus Closure in Preterm Infants.** *JAMA network open*
  Chock, V. Y., Bhombal, S., Davis, A. S., Sankar, M. N., Do, B. T., Laughon, M. M., Van Meurs, K. P., Backes, C. H., McNamara, P. J.
  2025; 8 (6): e2513366

- **Machine learning based clinical decision tool to predict acute kidney injury and survival in therapeutic hypothermia treated neonates.** *Scientific reports*
  Keles, E., Ali, S. Y., Wintermark, P., Annaert, P., Groenendaal, F., Şahin, S., Öncel, M. Y., Armangil, D., Koc, E., Battin, M. R., Gunn, A. J., Frymoyer, A., Chock, et al
  2025; 15 (1): 17278

- **Darbepoetin, Red Cell Mass, and Neuroprotection in Preterm Infants: A Randomized Clinical Trial.** *JAMA pediatrics*
  Ohls, R. K., Das, A., Tan, S., Lowe, J. R., Schibler, K., Beauman, S. S., Bell, E. F., Laptook, A. R., Baserga, M., Patel, R. M., Carlton, D. P., Flibotte, J., Grisby, et al
  2025

- **Extended Caffeine for Apnea in Moderately Preterm Infants: The MoCHA Randomized Clinical Trial.** *JAMA*
  Carlo, W. A., Eichenwald, E. C., Carper, B. A., Bell, E. F., Keszler, M., Patel, R. M., Sánchez, P. J., Goldberg, R. N., D'Angio, C. T., Van Meurs, K. P., Hibbs, A. M., Ambalavanan, N., Cosby, et al
  2025

- **Author Correction: AI-guided precision parenteral nutrition for neonatal intensive care units.** *Nature medicine*
  Phongpreecha, T., Ghanem, M., Reiss, J. D., Oskotsky, T. T., Mataraso, S. J., De Francesco, D., Reincke, S. M., Espinosa, C., Chung, P., Ng, T., Costello, J. M., Sequoia, J. A., Razdan, et al
  2025

- **AI-guided precision parenteral nutrition for neonatal intensive care units.** *Nature medicine*
  Phongpreecha, T., Ghanem, M., Reiss, J. D., Oskotsky, T., Mataraso, S. J., De Francesco, D., Reincke, S. M., Espinosa, C., Chung, P., Ng, T., Costello, J. M., Sequoia, J. A., Razdan, et al

2025

- **Patent Ductus Arteriosus, Hydrocortisone, and Outcome among Infants Born Extremely Preterm: Secondary Analysis of the Hydrocortisone Trial.** *The Journal of pediatrics*
  Sankar, M. N., Chock, V., Myers, F., Davis, A. S., McDonald, S., Rysavy, M. A., Laughon, M., Bhombal, S., Van Meurs, K. P., Das, A., Benitz, W. E., Watterberg, K.
  2025: 114535

- **Changes in Patent Ductus Arteriosus Management and Outcomes in Infants Born at 26 to 28 Weeks' Gestation.** *The Journal of pediatrics*
  Kaluarachchi, D. C., Rysavy, M. A., Do, B., Chock, V. Y., Laughon, M. M., Backes, C. H., Colaizy, T. T., Bell, E. F., McNamara, P. J.
  2024: 114456

- **Respiratory Outcomes of Infants Born Extremely Preterm in the Necrotizing Enterocolitis Surgery Trial.** *The Journal of pediatrics*
  DeMauro, S. B., Jensen, E. A., McDonald, S. A., Hintz, S., Tyson, J., Stevenson, D. K., Blakely, M. L.
  2024: 114391

- **Point-of-care lung ultrasound for continuous positive airway pressure discontinuation in preterm infants.** *Journal of perinatology : official journal of the California Perinatal Association*
  Myers, F., Dasani, R., Tong, J., Vallandingham-Lee, S., Manipon, C., Dahlen, A., De Luca, D., Singh, Y., Davis, A. S., Chock, V. Y., Bhombal, S.
  2024

- **Pallister-Killian Syndrome.** *NeoReviews*
  Chitkara, R., Chock, V., Barth, R., Dahmoush, H., Smith, C., Matalon, D. R., Herring, M., Hintz, S.
  2024; 25 (11): e751-e756

- **Trends in sex differences in neurodevelopmental outcomes among extremely preterm infants.** *Archives of disease in childhood. Fetal and neonatal edition*
  Boghossian, N. S., Mack, N., Bell, E. F., Tan, S., Stoll, B., Rysavy, M., Ambalavanan, N., Tyson, J. E., Das, A., Hintz, S. R., Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network, Jobe, A. H., Caplan, M. S., et al
  2024

- **Neuromonitoring practices for neonates with congenital heart disease: a scoping review.** *Pediatric research*
  Pardo, A. C., Carrasco, M., Wintermark, P., Nunes, D., Chock, V. Y., Sen, S., Wusthoff, C. J., Newborn Brain Society, G. a., Bonifacio, S., Aly, H., Chau, V., Glass, H., Lemmon, et al
  2024

- **The Future of Neonatal Cerebral Oxygenation Monitoring: Directions After the SafeBoosC-III Trial** *JOURNAL OF PEDIATRICS*
  Chock, V. Y., Vesoulis, Z. A., El-Dib, M., Austin, T., van Bel, F.
  2024; 270

- **Therapeutic Hypothermia for Neonatal Hypoxic-Ischemic Encephalopathy: Reducing Variability in Practice through a Collaborative Telemedicine Initiative.** *American journal of perinatology*
  Leandro, D. M., Variane, G. F., Dahlen, A., Pietrobom, R. F., de Castro, J. A., Rodrigues, D. P., Magalhães, M., Mimica, M. J., Van Meurs, K. P., Chock, V. Y.
  2024

- **Left Ventricular Strain, Arch Angulation, and Velocity-Time Integral Ratio Improve Performance of a Clinical Pathway for Fetal Diagnosis of Neonatal Coarctation of the Aorta.** *Fetal diagnosis and therapy*
  Phillips, A. A., Punn, R., Algaze, C., Blumenfeld, Y. J., Chock, V. Y., Kwiatkowski, D. M., Quirin, A., Tacy, T. A., Thorson, K., Maskatia, S. A.
  2024: 1-15

- **Urine biomarkers of acute kidney injury and association with brain MRI abnormalities in neonatal hypoxic-ischemic encephalopathy.** *Journal of perinatology : official journal of the California Perinatal Association*
  Turner, M. J., Rumpel, J. A., Spray, B. J., Stence, N., Neuberger, I., Frymoyer, A., Chock, V. Y., Courtney, S., Gist, K.
  2024

- **The Future of Neonatal Cerebral Oxygenation Monitoring: Directions after the SafeBoosC-III Trial.** *The Journal of pediatrics*
  Chock, V. Y., Vesoulis, Z. A., El-Dib, M., Austin, T., van Bel, F.
  2024: 114016

- **Social Determinants of Health and Redirection of Care for Infants Born Extremely Preterm.** *JAMA pediatrics*

Brumbaugh, J. E., Bann, C. M., Bell, E. F., Travers, C. P., Vohr, B. R., McGowan, E. C., Harmon, H. M., Carlo, W. A., Hintz, S. R., Duncan, A. F., Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network, Polin, R. A., Laptook, A. R., et al
2024

- **Impact of Congenital Heart Disease on the Outcomes of Very Low Birth Weight Infants.** *American journal of perinatology*
  Chen, X., Bhombal, S., Kwiatkowski, D. M., Ma, M., Chock, V. Y.
  2024
- **Social distancing and extremely preterm births in the initial COVID-19 pandemic period.** *Journal of perinatology : official journal of the California Perinatal Association*
  Shukla, V. V., Carper, B. A., Ambalavanan, N., Rysavy, M. A., Bell, E. F., Das, A., Patel, R. M., D'Angio, C. T., Watterberg, K. L., Cotten, C. M., Merhar, S. L., Wyckoff, M. H., Sanchez, et al
  2024
- **Sample entropy correlates with intraventricular hemorrhage and mortality in premature infants early in life.** *Pediatric research*
  Scahill, M. D., Chock, V., Travis, K., Lazarus, M., Helfenbein, E., Scala, M.
  2024
- **Acute kidney injury in neonates with hypoxic ischemic encephalopathy based on serum creatinine decline compared to KDIGO criteria.** *Pediatric nephrology (Berlin, Germany)*
  Ahn, H. C., Frymoyer, A., Boothroyd, D. B., Bonifacio, S., Sutherland, S. M., Chock, V. Y.
  2024
- **Survey of Neonatal Management After Amnioinfusion for Anhydramnios.** *JAMA pediatrics*
  Bendel-Stenzel, E. M., Keiser, A. M., McKenna, K. J., Chock, V. Y., Lopez, S., Miller, J. L., Atkinson, M. A.
  2024
- **Renal tissue oxygenation and development of AKI in preterm neonates born < 32 weeks' gestational age in the first week of age.** *Journal of perinatology : official journal of the California Perinatal Association*
  Condit, P. E., Chuck, J. E., Lasarev, M. R., Chock, V. Y., Harer, M. W.
  2024
- **Cerebral Near-Infrared Spectroscopy Use in Neonates: Current Perspectives** *RESEARCH AND REPORTS IN NEONATOLOGY*
  Vesoulis, Z. A., Sharp, D. P., Lalos, N., Swofford, D. P., Chock, V. Y.
  2024; 14: 85-95
- **Secular Trends in Patent Ductus Arteriosus Management in Infants Born Preterm in the National Institute of Child Health and Human Development Neonatal Research Network.** *The Journal of pediatrics*
  Kaluarachchi, D. C., Rysavy, M. A., Carper, B. A., Chock, V. Y., Laughon, M. M., Backes, C. H., Colaizy, T. T., Bell, E. F., McNamara, P. J.
  2023; 266: 113877
- **Angiotensin-II Use for Refractory Hypotension in an Infant With Bilateral Renal Agenesis.** *Pediatrics*
  Razdan, S., Davis, A. S., Tidmarsh, G., Hintz, S. R., Grimm, P. C., Chock, V. Y.
  2023
- **A Population Model of Time-Dependent Changes in Serum Creatinine in (Near)term Neonates with Hypoxic-Ischemic Encephalopathy During and After Therapeutic Hypothermia.** *The AAPS journal*
  Krzyzanski, W., Wintermark, P., Annaert, P., Groenendaal, F., Şahin, S., Öncel, M. Y., Armangil, D., Koc, E., Battin, M. R., Gunn, A. J., Frymoyer, A., Chock, V. Y., Keles, et al
  2023; 26 (1): 4
- **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

- **Renal Oxygen Saturations and Acute Kidney Injury in the Preterm Infant with Patent Ductus Arteriosus.** *American journal of perinatology*
  Rose, L. A., Frymoyer, A., Bhombal, S., Chock, V. Y.
  2023
- **Cerebral oxygen saturation in neonates: a bedside comparison between neonatal and adult NIRS sensors.** *Pediatric research*
  Variane, 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
- **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*
  Variane, 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
- **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
- **Renal oximetry for early acute kidney injury detection in neonates with hypoxic ischemic encephalopathy receiving therapeutic hypothermia.** *Pediatric nephrology (Berlin, Germany)*
  Rumpel, J. A., Spray, B. J., Frymoyer, A., Rogers, S., Cho, S., Ranabothu, S., Blaszak, R., Courtney, S. E., Chock, V. Y.
  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
- **Investigating the association between renal tissue oxygenation and development of AKI in preterm neonates**
  Harer, M. W., Condit, P. E., Chuck, J., Lasarev, M. R., Chock, V.
  SPRINGER.2023: S16-S17
- **Editorial: Advances in the use of neuromonitoring in newborns.** *Frontiers in pediatrics*
  Chock, V. Y., Van Meurs, K. P.
  2023; 11: 1215991
- **Neuromonitoring in neonatal critical care part I: neonatal encephalopathy and neonates with possible seizures.** *Pediatric research*
  El-Dib, M., Abend, N. S., Austin, T., Boylan, G., Chock, V., Cilio, M. R., Greisen, G., Hellström-Westas, L., Lemmers, P., Pellicer, A., Pressler, R. M., Sansevere, A., Tsuchida, et al
  2022
- **Neuromonitoring in neonatal critical care part II: extremely premature infants and critically ill neonates.** *Pediatric research*
  El-Dib, M., Abend, N. S., Austin, T., Boylan, G., Chock, V., Cilio, M. R., Greisen, G., Hellstrom-Westas, L., Lemmers, P., Pellicer, A., Pressler, R. M., Sansevere, A., Szakmar, et al
  2022
- **Rescaling Creatinine Centiles in Neonates Treated with Therapeutic Hypothermia for Neonatal Encephalopathy.** *Neonatology*

Allegaert, K., Mekahli, D., Wintermark, P., Groenendaal, F., Borloo, N., Laenen, A., Annaert, P., Sahin, S., Oncel, M. Y., Chock, V. Y., Armangil, D., Koc, E., Battin, et al

2022: 1-3

- **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

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