

# Stanford

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## Valerie Chock

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

Pediatrics - Neonatal and Developmental Medicine

### CLINICAL OFFICE (PRIMARY)

- **Neonatology**

453 Quarry Rd

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Stanford, CA 94305

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### Bio

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### CLINICAL FOCUS

- Neonatal-Perinatal Medicine
- Neonatology

### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Pediatrics - Neonatal and Developmental Medicine
- Professor - University Medical 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

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### 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

- Brain Oxygenation-II, Not Recruiting
- Cerebral Oxygenation and Autoregulation in Preterm Infants, Not Recruiting

## Teaching

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### STANFORD ADVISEES

#### Med Scholar Project Advisor

Julie Uchitel

### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Neonatal-Perinatal Medicine (Fellowship Program)

## Publications

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### PUBLICATIONS

- **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
- **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., #ahin, 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*  
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
  - **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
  - **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., Blaszkak, 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
- **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
- **A phase-II clinical trial of targeted cerebral near infrared spectroscopy using standardized treatment guidelines to improve brain oxygenation in preterm infants (BOx-II): A study protocol.** *Contemporary clinical trials*  
Vesoulis, Z., Hopper, A., Fairchild, K., Zanelli, S., Chalak, L., Noroozi, M., Liu, J., Chock, V.  
2022; 106886
- **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
- **Serum Creatinine Patterns in Neonates Treated with Therapeutic Hypothermia for Neonatal Encephalopathy.** *Neonatology*  
Keles, E., Wintermark, P., Groenendaal, F., Borloo, N., Smits, A., Laenen, A., Mekahli, D., Annaert, P., Sahin, S., Oncel, M. Y., Chock, V., Armangil, D., Koc, et al  
2022; 1-9
- **Spinal Muscular Atrophy Type 1: Fetal Diagnosis, Prenatal Coordination, and Postnatal Management in the Era of Novel Therapies.** *NeoReviews*  
Chitkara, R., Chock, V., Davis, A., Rocha, C. T., Day, J. W., Fluharty, B., Hintz, S.  
2022; 23 (7): e520-e526
- **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
- **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
- **Renal oxygenation measured by near-infrared spectroscopy in preterm neonates in the first week.** *Pediatric research*  
Harer, M. W., Condit, P. E., Chuck, J. E., Lasarev, M. R., Chock, V. Y.  
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
- **The impact of prematurity and associated comorbidities on clinical outcomes in neonates with congenital heart disease.** *Seminars in perinatology*  
Bhombal, S., Chock, V. Y., Shashidharan, S.  
2022; 151586
- **Near-Infrared Spectroscopy as a Hemodynamic Monitoring Tool during Neonatal Extracorporeal Life Support: A Case Series.** *The journal of extra-corporeal technology*  
Noh, C. Y., Meurs, K. P., Danzer, E., Chock, V. Y.  
2022; 54 (1): 61-66
- **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., Lupton, A. R., Keszler, M., Hensman, et al  
2022
  - **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., Lupton, A. R., Van Meurs, K. P., Shankaran, S., Bell, E. F., Davis, A. S., Heyne, R. J., Pedroza, C., Poindexter, et al  
2021
  - **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
  - **Cardiac Dysfunction in Neonatal HIE Is Associated with Increased Mortality and Brain Injury by MRI.** *American journal of perinatology*  
Altit, G., Bonifacio, S. L., Guimaraes, C. V., Bhombal, S., Sivakumar, G., Yan, B., Chock, V., Meurs, K. V.  
2021
  - **End-organ saturations correlate with aortic blood flow estimates by echocardiography in the extremely premature newborn - an observational cohort study.** *BMC pediatrics*  
Altit, G., Bhombal, S., Chock, V. Y.  
2021; 21 (1): 312
  - **Cerebral saturation reflects anterior cerebral artery flow parameters by Doppler ultrasound in the extremely premature newborn.** *Journal of perinatology : official journal of the California Perinatal Association*  
Altit, G., Bhombal, S., Chock, V. Y.  
2021
  - **Fluid management, electrolytes imbalance and renal management in neonates with neonatal encephalopathy treated with hypothermia.** *Seminars in fetal & neonatal medicine*  
Segar, J. L., Chock, V. Y., Harer, M. W., Selewski, D. T., Askenazi, D. J., Newborn Brain Society Guidelines and Publications Committee  
2021: 101261
  - **Neonatal NIRS monitoring: recommendations for data capture and review of analytics.** *Journal of perinatology : official journal of the California Perinatal Association*  
Vesoulis, Z. A., Mintzer, J. P., Chock, V. Y.  
2021
  - **Urine Biomarkers for the Assessment of Acute Kidney Injury in Neonates with Hypoxic Ischemic Encephalopathy Receiving Therapeutic Hypothermia.** *The Journal of pediatrics*  
Rumpel, J., Spray, B. J., Chock, V. Y., Kirkley, M. J., Slagle, C. L., Frymoyer, A., Cho, S. H., Gist, K. M., Blaszk, R., Poindexter, B., Courtney, S. E.  
2021
  - **Blood pressure goals: Is cerebral saturation the new mean arterial pressure?** *American journal of perinatology*  
McKim, K. J., Lucafo, S., Bhombal, S., Bain, L., Chock, V. Y.  
2021
  - **Prolonged Ductal Patency in Preterm Infants: Does It Matter?** *The Journal of pediatrics*  
Benitz, W. E., Chock, V. Y.  
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

- **Aminophylline for renal protection in neonatal hypoxic-ischemic encephalopathy in the era of therapeutic hypothermia.** *Pediatric research*  
Chock, V. Y., Cho, S., Frymoyer, A.  
2020
- **NIRS improves hemodynamic monitoring and detection of risk for cerebral injury: cases in the neonatal intensive care nursery** *JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE*  
Chock, V. Y., Variane, G. T., Netto, A., Van Meurs, K. P.  
2020; 33 (10): 1802–10
- **Behavior Profiles at 2Years for Children Born Extremely PretermwithBronchopulmonary Dysplasia.** *The Journal of pediatrics*  
Brumbaugh, J. E., Bell, E. F., Grey, S. F., DeMauro, S. B., Vohr, B. R., Harmon, H. M., Bann, C. M., Rysavy, M. A., Logan, J. W., Colaizy, T. T., Peralta-Carcelen, M. A., McGowan, E. C., Duncan, et al  
2020
- **Simultaneous Near-Infrared Spectroscopy (NIRS) and Amplitude-Integrated Electroencephalography (aEEG): Dual Use of Brain Monitoring Techniques Improves Our Understanding of Physiology** *FRONTIERS IN PEDIATRICS*  
Variane, G., Chock, V. Y., Netto, A., Pietrobon, R., Van Meurs, K.  
2020; 7: 560
- **Influence of enteral feeding and anemia on tissue oxygen extraction after red blood cell transfusion in preterm infants.** *Transfusion*  
Goldstein, G. P., Rao, A. n., Ling, A. Y., Ding, V. Y., Chang, I. J., Chock, V. Y.  
2020
- **Cerebral Oxygenation and Autoregulation in Preterm Infants (Early NIRS Study).** *The Journal of pediatrics*  
Chock, V. Y., Kwon, S. H., Ambalavanan, N. n., Batton, B. n., Nelin, L. D., Chalak, L. F., Tian, L. n., Van Meurs, K. P.  
2020
- **Renal Tissue Oxygenation Monitoring-An Opportunity to Improve Kidney Outcomes in the Vulnerable Neonatal Population.** *Frontiers in pediatrics*  
Harer, M. W., Chock, V. Y.  
2020; 8: 241
- **Intraventricular hemorrhage and white matter injury: is persistent cerebral desaturation a missing link?** *Pediatric research*  
Chawla, S. n., Chock, V. Y., Lakshminrusimha, S. n.  
2020
- **Higher or Lower Hemoglobin Transfusion Thresholds for Preterm Infants.** *The New England journal of medicine*  
Kirpalani, H. n., Bell, E. F., Hintz, S. R., Tan, S. n., Schmidt, B. n., Chaudhary, A. S., Johnson, K. J., Crawford, M. M., Newman, J. E., Vohr, B. R., Carlo, W. A., D'Angio, C. T., Kennedy, et al  
2020; 383 (27): 2639–51
- **Prenatally diagnosed omphalocele: characteristics associated with adverse neonatal outcomes.** *Journal of perinatology : official journal of the California Perinatal Association*  
Chock, V. Y., Davis, A. S., Cho, S., Bax, C., Fluharty, E., Weigel, N., Homeyer, M., Hudgins, L., Jones, R., Rubesova, E., Sylvester, K. G., Blumenfeld, Y. J., Hintz, et al  
2019
- **Differences in patient characteristics and care practices between two trials of therapeutic hypothermia** *PEDIATRIC RESEARCH*  
Bonifacio, S. L., McDonald, S. A., Chock, V. Y., Wusthoff, C. J., Hintz, S. R., Laptook, A. R., Shankara, S., Van Meurs, K. P.  
2019; 85 (7): 1008–15
- **Near-Infrared Spectroscopy in the Diagnostic Evaluation of Mitochondrial Disorders: A Neonatal Intensive Care Unit Case Series** *JOURNAL OF PEDIATRICS*  
Niemi, A., Chock, V. Y.  
2019; 208: 282–86
- **Differences in patient characteristics and care practices between two trials of therapeutic hypothermia.** *Pediatric research*  
Bonifacio, S. L., McDonald, S. A., Chock, V. Y., Wusthoff, C. J., Hintz, S. R., Laptook, A. R., Shankara, S., Van Meurs, K. P.  
2019
- **Near-Infrared Spectroscopy in the Diagnostic Evaluation of Mitochondrial Disorders: A Neonatal Intensive Care Unit Case Series.** *The Journal of pediatrics*

Niemi, A., Chock, V. Y.  
2019

- **Birth Location of Infants with Critical Congenital Heart Disease in California** *PEDIATRIC CARDIOLOGY*  
Purkey, N. J., Axelrod, D. M., McElhinney, D. B., Rigdon, J., Qin, F., Desai, M., Shin, A. Y., Chock, V. Y., Lee, H. C.  
2019; 40 (2): 310–18
- **Immediate Postnatal Ventricular Performance Is Associated with Mortality in Hypoplastic Left Heart Syndrome** *PEDIATRIC CARDIOLOGY*  
Altit, G., Bhombal, S., Chock, V. Y., Tacy, T. A.  
2019; 40 (1): 168–76
- **Birth Location of Infants with Critical Congenital Heart Disease in California.** *Pediatric cardiology*  
Purkey, N. J., Axelrod, D. M., McElhinney, D. B., Rigdon, J., Qin, F., Desai, M., Shin, A. Y., Chock, V. Y., Lee, H. C.  
2018
- **Utility of prenatal MRI in the evaluation and management of fetal ventriculomegaly** *JOURNAL OF PERINATOLOGY*  
Katz, J. A., Chock, V. Y., Davis, A. S., Blumenfeld, Y. J., Hahn, J. S., Barnes, P., Barth, R. A., Rubesova, E., Hintz, S. R.  
2018; 38 (11): 1444–52
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