

# Stanford

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## Courtney Wusthoff, MD

Professor of Neurology (Pediatric Neurology) and, by courtesy, of Pediatrics (Neonatology)

### CLINICAL OFFICE (PRIMARY)

- **Child Neurology**
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### ACADEMIC CONTACT INFORMATION

- **Division of Child Neurology**
- Academic Office
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### Bio

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#### BIO

<https://med.stanford.edu/wusthoff-lab.html>

#### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Neurology
- Professor - University Medical Line (By courtesy), Pediatrics - Neonatal and Developmental Medicine
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

#### ADMINISTRATIVE APPOINTMENTS

- Director of Neurocritical Care, Lucile Packard Children's Hospital Stanford, (2019- present)
- Neurology Director, LPCH Neuro NICU, Lucile Packard Children's Hospital, (2013- present)

#### PROFESSIONAL EDUCATION

- Board Certification: Neurology with Special Qualifications in Child Neurology, American Board of Psychiatry and Neurology (2009)
- Internship: Children's Hospital of Oakland (2006) CA
- Medical Education: University of California at San Francisco School of Medicine (2004) CA
- Fellowship: Children's Hospital of Philadelphia Child Neurology (2010) PA
- Board Certification: Epilepsy, American Board of Psychiatry and Neurology (2014)
- Board Certification: Pediatrics, American Board of Pediatrics (2009)
- Residency: Children's Hospital of Oakland (2009) CA

#### LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>
- <https://med.stanford.edu/wusthoff-lab.html>: <https://med.stanford.edu/wusthoff-lab.html>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

My projects focus on clinical research in newborns with, or at risk, for brain injury. I use EEG in at-risk neonates to better understand the underlying pathophysiology of risk factors that may lead to worse outcomes. I am particularly interested in neonatal seizures and how they may exacerbate perinatal brain injury with a goal to identify treatments that might protect the vulnerable brain. I am also interested in EEG in other pediatric populations, as well as medical ethics and global health.

### CLINICAL TRIALS

- Neonatal Seizure Registry - Developmental Functional EValuation, Recruiting
- High-dose Erythropoietin for Asphyxia and Encephalopathy, Not Recruiting

## Publications

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### PUBLICATIONS

- **Seizure Control in Neonates Undergoing Screening vs Confirmatory EEG Monitoring.** *Neurology*  
Wusthoff, C. J., Sundaram, V., Abend, N. S., Massey, S. L., Lemmon, M. E., Thomas, C., McCulloch, C. E., Chang, T., Soul, J. S., Chu, C. J., Rogers, E. E., Bonifacio, S. L., Cilio, et al  
2021
- **Relationship of Neonatal Seizure Burden Prior to Treatment and Response to Initial Anti-Seizure Medication.** *The Journal of pediatrics*  
Numis, A. L., Glass, H. C., Comstock, B. A., Gonzalez, F., Maitre, N. L., Massey, S. L., Mayock, D. E., Mietzsch, U., Natarajan, N., Sokol, G. M., Bonifacio, S., Van Meurs, K., Thomas, et al  
2024: 113957
- **Neuroprotective therapies in the NICU in preterm infants: present and future (Neonatal Neurocritical Care Series).** *Pediatric research*  
Molloy, E. J., El-Dib, M., Soul, J., Juul, S., Gunn, A. J., Bender, M., Gonzalez, F., Bearer, C., Wu, Y., Robertson, N. J., Cotton, M., Branagan, A., Hurley, et al  
2023
- **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
- **Feeding and developmental outcomes after neonatal seizures-A prospective observational study.** *Annals of the Child Neurology Society*  
Roberts, K. H., Barks, J. D., Glass, H. C., Soul, J. S., Chang, T., Wusthoff, C. J., Chu, C. J., Massey, S. L., Abend, N. S., Lemmon, M. E., Thomas, C., Guillet, R., Rogers, et al  
2023; 1 (3): 209-217
- **Neonatal encephalopathy and hypoxic-ischemic encephalopathy: moving from controversy to consensus definitions and subclassification.** *Pediatric research*  
Molloy, E. J., Branagan, A., Hurley, T., Quirke, F., Devane, D., Taneri, P. E., El-Dib, M., Bloomfield, F. H., Maeso, B., Pilon, B., Bonifacio, S. L., Wusthoff, C. J., Chalak, et al  
2023
- **Can a smartphone jump start care for infantile spasms?** *The Journal of pediatrics*  
Wusthoff, C. J., Shellhaas, R. A.  
2023: 113442
- **Can electronic medical records predict neonatal seizures?** *The Lancet. Digital health*  
Barsh, G. R., Wusthoff, C. J.  
2023; 5 (4): e175-e176
- **Can electronic medical records predict neonatal seizures?** *LANCET DIGITAL HEALTH*  
Barsh, G. R., Wusthoff, C. J.  
2023; 5 (4): E175-E176

- **Continuous Electroencephalogram Use and Hospital Outcomes in Critically Ill Children.** *Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society*  
Oh, A., Wusthoff, C. J., Kim, H.  
2023
- **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., Laptook, A., Patel, et al  
2023
- **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
- **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
- **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
- **Neuroprotective therapies in the NICU in term infants: present and future.** *Pediatric research*  
Molloy, E. J., El-Dib, M., Juul, S. E., Benders, M., Gonzalez, F., Bearer, C., Wu, Y. W., Robertson, N. J., Hurley, T., Branagan, A., Michael Cotten, C., Tan, S., Laptook, et al  
2022
- **Seizure Burden, EEG, and Outcome in Neonates With Acute Intracranial Infections: A Prospective Multicenter Cohort Study.** *Pediatric neurology*  
Mehta, N., Shellhaas, R. A., McCulloch, C. E., Chang, T., Wusthoff, C. J., Abend, N. S., Lemmon, M. E., Chu, C. J., Massey, S. L., Franck, L. S., Thomas, C., Soul, J. S., Rogers, et al  
2022; 137: 54-61
- **The Role of Electroencephalography in the Prognostication of Clinical Outcomes in Critically Ill Children: A Review.** *Children (Basel, Switzerland)*  
Gilman, C. A., Wusthoff, C. J., Guerrero, R. M.  
2022; 9 (9)
- **Inequities in therapy for infantile spasms: a call to action.** *Annals of neurology*  
Baumer, F. M., Mytinger, J. R., Neville, K., Briscoe Abath, C., Gutierrez, C. A., Numis, A. L., Harini, C., He, Z., Hussain, S. A., Berg, A. T., Chu, C. J., Gaillard, W. D., Loddenkemper, et al  
2022
- **Ultra-Rapid Nanopore Whole Genome Genetic Diagnosis of Dilated Cardiomyopathy in an Adolescent With Cardiogenic Shock.** *Circulation. Genomic and precision medicine*  
Gorzynski, J. E., Goenka, S. D., Shafin, K., Jensen, T. D., Fisk, D. G., Grove, M. E., Spiteri, E., Pesout, T., Monlong, J., Bernstein, J. A., Ceresnak, S., Chang, P., Christle, et al  
2022: CIRCGEN121003591
- **Impact of COVID-19 Pandemic on Developmental Service Delivery in Children With a History of Neonatal Seizures.** *Pediatric neurology*  
Peyton, C., Girvan, O., Shellhaas, R. A., Lemmon, M. E., Rogers, E. E., Soul, J. S., Chang, T., Hamlett, A., Wusthoff, C. J., Chu, C. J., Massey, S. L., Thomas, C., Guillet, et al  
2022; 129: 14-18
- **Epileptic high-frequency oscillations occur in neonates with a high risk for seizures.** *Frontiers in neurology*  
Kuhnke, N., Wusthoff, C. J., Swarnalingam, E., Yanoussi, M., Jacobs, J.  
2022; 13: 1048629
- **Ultrarapid Nanopore Genome Sequencing in a Critical Care Setting.** *The New England journal of medicine*

Gorzynski, J. E., Goenka, S. D., Shafin, K., Jensen, T. D., Fisk, D. G., Grove, M. E., Spiteri, E., Pesout, T., Monlong, J., Baid, G., Bernstein, J. A., Ceresnak, S., Chang, et al  
2022

- **Parent Mental Health and Family Coping over Two Years after the Birth of a Child with Acute Neonatal Seizures.** *Children (Basel, Switzerland)*  
Franck, L. S., Shellhaas, R. A., Lemmon, M. E., Sturza, J., Barnes, M., Brogi, T., Hill, E., Moline, K., Soul, J. S., Chang, T., Wusthoff, C. J., Chu, C. J., Massey, et al  
1800; 9 (1)

- **Characteristics of Neonates with Cardiopulmonary Disease Who Experience Seizures: A Multi-Center Study.** *The Journal of pediatrics*  
Massey, S. L., Glass, H. C., Shellhaas, R. A., Bonifacio, S., Chang, T., Chu, C., Cilio, M. R., Lemmon, M. E., McCulloch, C. E., Soul, J. S., Thomas, C., Wusthoff, C. J., Xiao, et al  
2021

- **Management of seizures in neonates with neonatal encephalopathy treated with hypothermia.** *Seminars in fetal & neonatal medicine*  
DeLaGarza-Pineda, O., Mailo, J. A., Boylan, G., Chau, V., Glass, H. C., Mathur, A. M., Shellhaas, R. A., Soul, J. S., Wusthoff, C. J., Chang, T., Newborn Brain Society Guidelines and Publications Committee  
2021: 101279

- **JCN Book Review.** *Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society*  
Wusthoff, C. J.  
2021; 38 (5): e24

- **Neonatal encephalopathy: Etiologies other than hypoxic-ischemic encephalopathy.** *Seminars in fetal & neonatal medicine*  
Sandoval Karamian, A. G., Mercimek-Andrews, S., Mohammad, K., Molloy, E. J., Chang, T., Chau, V., Murray, D. M., Wusthoff, C. J., Newborn Brain Society Guidelines and Publications Committee  
2021: 101272

- **Evaluation of Seizure Risk in Infants After Cardiopulmonary Bypass in the Absence of Deep Hypothermic Cardiac Arrest.** *Neurocritical care*  
Levy, R. J., Mayne, E. W., Sandoval Karamian, A. G., Iqbal, M., Purington, N., Ryan, K. R., Wusthoff, C. J.  
2021

- **Comparative Effectiveness of Initial Treatment for Infantile Spasms in a Contemporary US Cohort.** *Neurology*  
Grinspan, Z. M., Knupp, K. G., Patel, A. D., Yozawitz, E. G., Wusthoff, C. J., Wirrell, E., Valencia, I., Singh, N. S., Nordli, D. R., Mytinger, J. R., Mitchell, W., Keator, C. G., Loddenkemper, et al  
2021

- **Early-life epilepsy after acute symptomatic neonatal seizures: A prospective multicenter study.** *Epilepsia*  
Shellhaas, R. A., Wusthoff, C. J., Numis, A. L., Chu, C. J., Massey, S. L., Abend, N. S., Soul, J. S., Chang, T., Lemmon, M. E., Thomas, C., McNamara, N. A., Guillet, R., Franck, et al  
2021

- **Ethical considerations in the care of encephalopathic neonates treated with therapeutic hypothermia.** *Seminars in fetal & neonatal medicine*  
Lemmon, M. E., Wusthoff, C. J., Boss, R. D., Rasmussen, L. A., Newborn Brain Society Guidelines and Publications Committee  
2021: 101258

- **Biomarkers in neonatal encephalopathy: new approaches and ongoing questions.** *Pediatric research*  
Wusthoff, C. J.  
2021

- **Safety of Early Discontinuation of Antiseizure Medication After Acute Symptomatic Neonatal Seizures.** *JAMA neurology*  
Glass, H. C., Soul, J. S., Chang, T., Wusthoff, C. J., Chu, C. J., Massey, S. L., Abend, N. S., Lemmon, M., Thomas, C., Numis, A. L., Guillet, R., Sturza, J., McNamara, et al  
2021

- **Modifiable Risk Factors in Critically Ill Children: Moving Beyond Seizures.** *Neurology*  
Scott, R. C., Wusthoff, C. J.  
2021

- **Use of Continuous Electroencephalogram (cEEG) in Critically Ill Patients**  
Oh, A., Wusthoff, C., Kim, H.

LIPPINCOTT WILLIAMS & WILKINS.2021

- **Clinical Manifestations of Neonatal Seizures.** *Pediatrics international : official journal of the Japan Pediatric Society*  
Nguyen, T., Wusthoff, C. J.  
2021
- **American Clinical Neurophysiology Society's Standardized Critical Care EEG Terminology: 2021 Version.** *Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society*  
Hirsch, L. J., Fong, M. W., Leitinger, M., LaRoche, S. M., Beniczky, S., Abend, N. S., Lee, J. W., Wusthoff, C. J., Hahn, C. D., Westover, M. B., Gerard, E. E., Herman, S. T., Haider, et al  
2021; 38 (1): 1–29
- **Seizure Severity and Treatment Response in Newborn Infants with Seizures Attributed to Intracranial Hemorrhage.** *The Journal of pediatrics*  
Herzberg, E. M., Machie, M., Glass, H. C., Shellhaas, R. A., Wusthoff, C. J., Chang, T., Abend, N. S., Chu, C. J., Cilio, M. R., Bonifacio, S. L., Massey, S. L., McCulloch, C. E., Soul, et al  
2021
- **Current and Future Uses of Continuous EEG in the NICU.** *Frontiers in pediatrics*  
Sandoval Karamian, A. G., Wusthoff, C. J.  
2021; 9: 768670
- **Family-Centered Care for Children and Families Impacted by Neonatal Seizures: Advice From Parents.** *Pediatric neurology*  
Lemmon, M. E., Glass, H. C., Shellhaas, R. A., Barks, M. C., Bansal, S., Annis, D., Guerriero, J. L., Pilon, B., Wusthoff, C. J., Chang, T., Soul, J. S., Chu, C. J., Thomas, et al  
2021; 124: 26-32
- **Use of electronic medical record templates improves quality of care for patients with infantile spasms** *HEALTH INFORMATION MANAGEMENT JOURNAL*  
Santoro, J. D., Sandoval Karamian, A. G., Ruzhnikov, M., Brimble, E., Chadwick, W., Wusthoff, C. J.  
2021; 50 (1-2): 47–54
- **Barriers, access and management of paediatric epilepsy with telehealth.** *Journal of telemedicine and telecare*  
Gali, K., Joshi, S., Huenke, S., Katzenbach, A., Radecki, L., Calabrese, T., Fletcher, L., Trandafir, C., Wilson, C., Goyal, M., Wusthoff, C. J., Le Pichon, J., Corvalan, et al  
2020: 1357633X20969531
- **Sarnat Grading Scale for Neonatal Encephalopathy after 45 Years: An Update Proposal.** *Pediatric neurology*  
Sarnat, H. B., Flores-Sarnat, L., Fajardo, C., Leijser, L. M., Wusthoff, C., Mohammad, K.  
2020; 113: 75–79
- **Parent experience of caring for neonates with seizures.** *Archives of disease in childhood. Fetal and neonatal edition*  
Lemmon, M., Glass, H., Shellhaas, R. A., Barks, M. C., Bailey, B., Grant, K., Grossbauer, L., Pawlowski, K., Wusthoff, C. J., Chang, T., Soul, J., Chu, C. J., Thomas, et al  
2020
- **Impact of recurrent seizures on white matter in non-structural neonatal epilepsy**  
Karamian, A., Wusthoff, C., Yeom, K., Knowles, J.  
LIPPINCOTT WILLIAMS & WILKINS.2020
- **Continuous EEG for Seizure Detection in Neonates after Cardiac Bypass without Deep Hypothermic Cardiac Arrest**  
Levy, R., Karamian, A., Mayne, E., Iqbal, M., Purington, N., Ryan, K., Wusthoff, C.  
LIPPINCOTT WILLIAMS & WILKINS.2020
- **Neonatal genetic epilepsies display convergent white matter microstructural abnormalities.** *Epilepsia*  
Sandoval Karamian, A. G., Wusthoff, C. J., Boothroyd, D. n., Yeom, K. W., Knowles, J. K.  
2020
- **Associations between Infant and Parent Characteristics and Measures of Family Well-Being in Neonates with Seizures: A Cohort Study.** *The Journal of pediatrics*  
Franck, L. S., Shellhaas, R. A., Lemmon, M. n., Sturza, J. n., Soul, J. S., Chang, T. n., Wusthoff, C. J., Chu, C. J., Massey, S. L., Abend, N. S., Thomas, C. n., Rogers, E. E., McCulloch, et al  
2020; 221: 64–71.e4

- **The Sarnat score for neonatal encephalopathy: looking back and moving forward.** *Pediatric research*  
Mrelashvili, A. n., Russ, J. B., Ferriero, D. M., Wusthoff, C. J.  
2020
- **How Helpful Is aEEG? Context and User Experience Matter.** *American journal of perinatology*  
Sandoval Karamian, A. G., Wusthoff, C. J.  
2020
- **Characterization of Death in Infants With Neonatal Seizures.** *Pediatric neurology*  
Lemmon, M. E., Bonifacio, S. L., Shellhaas, R. A., Wusthoff, C. J., Greenberg, R. G., Soul, J. S., Chang, T. n., Chu, C. J., Bates, S. n., Massey, S. L., Abend, N. S., Cilio, M. R., Glass, et al  
2020; 113: 21–25
- **Integrative Medicine in Child Neurology: What Do Physicians Know and What Do They Want to Learn?** *Journal of child neurology*  
Sandoval Karamian, A. G., Yeh, A. M., Wusthoff, C. J.  
2020: 883073820925285
- **Immediate outcomes in early life epilepsy: A contemporary account.** *Epilepsy & behavior : E&B*  
Berg, A. T., Wusthoff, C., Shellhaas, R. A., Loddenkemper, T., Grinspan, Z. M., Saneto, R. P., Knupp, K. G., Patel, A., Sullivan, J. E., Kossoff, E. H., Chu, C. J., Massey, S., Valencia, et al  
2019; 97: 44–50
- **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
- **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
- **Response to antiseizure medications in neonates with acute symptomatic seizures.** *Epilepsia*  
Glass, H. C., Soul, J. S., Chu, C. J., Massey, S. L., Wusthoff, C. J., Chang, T., Cilio, M. R., Bonifacio, S. L., Abend, N. S., Thomas, C., Lemmon, M., McCulloch, C. E., Shellhaas, et al  
2019
- **Breaking a Cycle of Dependence to Improve Neurology Education: A Qualitative Study Exploring Pediatric Residents' Perspectives.** *Clinical pediatrics*  
Nguyen, T. n., Pavitt, S. n., Wusthoff, C. n., Rassbach, C. n.  
2019: 9922819870557
- **Neuroimaging of Early Life Epilepsy** *PEDIATRICS*  
Coryell, J., Gaillard, W. D., Shellhaas, R. A., Grinspan, Z. M., Wirrell, E. C., Knupp, K. G., Wusthoff, C. J., Keator, C., Sullivan, J. E., Loddenkemper, T., Patel, A., Chu, C. J., Massey, et al  
2018; 142 (3)
- **Use of electronic medical record templates improves quality of care for patients with infantile spasms.** *Health information management : journal of the Health Information Management Association of Australia*  
Santoro, J. D., Sandoval, A., Ruzhnikov, M., Brimble, E., Chadwick, W., Wusthoff, C. J.  
2018: 1833358318794501
- **Development of a NeuroNICU with a Broader Focus on All Newborns at Risk of Brain Injury: The First 2 Years.** *American journal of perinatology*  
Van Meurs, K. P., Yan, E. S., Randall, K. S., Chock, V. Y., Davis, A. S., Glennon, C. S., Clark, C. L., Wusthoff, C. J., Bonifacio, S. L.  
2018
- **Integrative Medicine in Child Neurology: what do providers think and what do they need to learn?**  
Karamian, A., Yeh, A., Wusthoff, C.  
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Comparative Effectiveness of Levetiracetam vs Phenobarbital for Infantile Epilepsy** *JAMA PEDIATRICS*  
Grinspan, Z. M., Shellhaas, R. A., Coryell, J., Sullivan, J. E., Wirrell, E. C., Mytinger, J. R., Gaillard, W. D., Kossoff, E. H., Valencia, I., Knupp, K. G., Wusthoff, C., Keator, C., Ryan, et al

2018; 172 (4): 352–60

● **Why West? Comparisons of clinical, genetic and molecular features of infants with and without spasms** *PLOS ONE*

Berg, A. T., Chakravorty, S., Koh, S., Grinspan, Z. M., Shellhaas, R. A., Saneto, R. P., Wirrell, E. C., Coryell, J., Chu, C. J., Mytinger, J. R., Gaillard, W. D., Valencia, I., Kriupp, et al  
2018; 13 (3): e0193599

● **Cooling in neonatal hypoxic-ischemic encephalopathy: practices and opinions on minimum standards in the state of California** *JOURNAL OF PERINATOLOGY*

Wusthoff, C. J., Clark, C. L., Glass, H. C., Shimotake, T. K., Schulman, J., Bonifacio, S. L.  
2018; 38 (1): 54–58

● **The impact of hypsarrhythmia on infantile spasms treatment response: Observational cohort study from the National Infantile Spasms Consortium** *EPILEPSIA*

Demarest, S. T., Shellhaas, R. A., Gaillard, W. D., Keator, C., Nickels, K. C., Hussain, S. A., Loddenkemper, T., Patel, A. D., Saneto, R. P., Wirrell, E., Fernandez, I., Chu, C. J., Grinspan, et al  
2017; 58 (12): 2098–2103

● **Initial Treatment for Nonsyndromic Early-Life Epilepsy: An Unexpected Consensus.** *Pediatric neurology*

Shellhaas, R. A., Berg, A. T., Grinspan, Z. M., Wusthoff, C. J., Millichap, J. J., Loddenkemper, T., Coryell, J., Saneto, R. P., Chu, C. J., Joshi, S. M., Sullivan, J. E., Knupp, K. G., Kossoff, et al  
2017; 75: 73-79

● **Early-Life Epilepsies and the Emerging Role of Genetic Testing** *JAMA PEDIATRICS*

Berg, A. T., Coryell, J., Saneto, R. P., Grinspan, Z. M., Alexander, J. J., Kekis, M., Sullivan, J. E., Wirrell, E. C., Shellhaas, R. A., Mytinger, J. R., Gaillard, W. D., Kossoff, E. H., Valencia, et al  
2017; 171 (9): 863–71

● **Profile of neonatal epilepsies: Characteristics of a prospective US cohort.** *Neurology*

Shellhaas, R. A., Wusthoff, C. J., Tsuchida, T. N., Glass, H. C., Chu, C. J., Massey, S. L., Soul, J. S., Wiwattanadittakun, N., Abend, N. S., Cilio, M. R.  
2017; 89 (9): 893-899

● **Seizures in Infants Born Preterm: Defining the Scale of the Problem.** *The Journal of pediatrics*

Wusthoff, C. J.  
2017; 187: 7-8

● **Seizures in Preterm Neonates: A Multicenter Observational Cohort Study.** *Pediatric neurology*

Glass, H. C., Shellhaas, R. A., Tsuchida, T. N., Chang, T., Wusthoff, C. J., Chu, C. J., Cilio, M. R., Bonifacio, S. L., Massey, S. L., Abend, N. S., Soul, J. S.  
2017

● **Improving the Identification of Neonatal Encephalopathy: Utility of a Web-Based Video Tool** *AMERICAN JOURNAL OF PERINATOLOGY*

Ivy, A. S., Clark, C. L., Bahm, S. M., Van Meurs, K. P., Wusthoff, C. J.  
2017; 34 (5): 520-522

● **Interrater agreement in the interpretation of neonatal electroencephalography in hypoxic-ischemic encephalopathy.** *Epilepsia*

Wusthoff, C. J., Sullivan, J., Glass, H. C., Shellhaas, R. A., Abend, N. S., Chang, T., Tsuchida, T. N.  
2017; 58 (3): 429-435

● **Treatment Duration After Acute Symptomatic Seizures in Neonates: A Multicenter Cohort Study.** *journal of pediatrics*

Shellhaas, R., Chang, T., Wusthoff, C., Soul, J., Massey, S., Chu, C., Cilio, M. R., Bonifacio, S., Abend, N., Tsuchida, T., Glass, H.  
2017; 181: 298-301 e1

● **MRI Patterns of brain injury and neurodevelopmental outcomes in neonates with severe anaemia at birth.** *Early human development*

Loureiro, B., Martinez-Biarge, M., Foti, F., Papadaki, M., Cowan, F. M., Wusthoff, C. J.  
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