

Stanford



Alexis Davis

Clinical Associate Professor, Pediatrics - Neonatal and Developmental Medicine

CLINICAL OFFICES

- **Neonatal Intensive Care Unit**

725 Welch Rd

Palo Alto, CA 94304

Tel (650) 497-8800

Fax (650) 497-8034

ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Tel 650-723-5711

Bio

CLINICAL FOCUS

- Neonatal-Perinatal Medicine
- Prenatal diagnosis and counseling for fetal anomalies

ACADEMIC APPOINTMENTS

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

ADMINISTRATIVE APPOINTMENTS

- Medical Director, Neonatal Intensive Care Unit, Lucile Packard Children's Hospital Stanford, (2016- present)
- Associate Director for Neonatal Services, Pregnancy and Fetal Health Program, Lucile Packard Children's Hospital Stanford, (2015- present)
- Associate Director for Education, Division of Neonatal-Developmental Medicine, Stanford University, (2008-2014)

HONORS AND AWARDS

- Mentored Specialized Clinical Investigator Development Award, NIH/NICHD Neonatal Research Network (2007-2010)
- Loan Repayment Program Recipient, National Institutes of Health (2004-2007)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- District IX representative, Section on Neonatal and Perinatal Medicine (2018 - present)
- Co-Chair, Executive Committee, MidCaN group, Section on Neonatal and Perinatal Medicine (2017 - present)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Neonatology Fellowship (2006) CA
- Internship: Stanford University Pediatric Residency (2000) CA
- MS, Stanford University , Clinical Epidemiology (2010)
- Board Certification: Neonatal-Perinatal Medicine, American Board of Pediatrics (2008)

- Board Certification: Pediatrics, American Board of Pediatrics (2002)
- Residency: Stanford University Pediatric Residency (2002) CA
- Medical Education: Ohio State University College of Medicine Registrar (1999) OH
- MD, The Ohio State University (1999)
- MS, Stanford University , Biological Sciences (1995)
- BS, Stanford University , Biological Sciences (1994)

Research & Scholarship

CLINICAL TRIALS

- Cerebral Function Monitoring in Premature Infants, Not Recruiting
- Optimizing (Longer, Deeper) Cooling for Neonatal Hypoxic-Ischemic Encephalopathy(HIE), Not Recruiting

Publications

PUBLICATIONS

- **IMPACT OF CARDIAC ALGORITHM ON CYTOGENETIC TESTING**

Floyd, B. J., Hintz, S. R., Suarez, C. J., Cherry, A., Yu, L., Benitz, W., Priest, J. R., Wright, G. E., Bhombal, S., Davis, A., Chock, V. Y., Weigel, N., Kobayashi, et al
BMJ PUBLISHING GROUP.2019: 207

- **Obstetric and neonatal outcomes in pregnancies complicated by fetal lung masses: does final histology matter?**

Anderson, J. N., Girsan, A. I., Hintz, S. R., El-Sayed, Y. Y., Davis, A. S., Barth, R. A., Halabi, S., Sylvester, K. G., Bruzoni, M., Blumenfeld, Y. J.
MOSBY-ELSEVIER.2019: S151

- **Utility of prenatal MRI in the evaluation and management of fetal ventriculomegaly.** *Journal of perinatology : official journal of the California Perinatal Association*

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

- **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

- **Outcome and Treatment of Antenatally Diagnosed Nonimmune Hydrops Fetalis** *FETAL DIAGNOSIS AND THERAPY*

Nassr, A. A., Ness, A., Hosseinzadeh, P., Salmanian, B., Espinoza, J., Berger, V., Werner, E., Erfani, H., Welty, S., Bateni, Z. H., Shamshirsaz, A. A., Popek, E., Ruano, et al
2018; 43 (2): 123–28

- **NEONATAL HYPERBILIRUBINEMIA AFTER MECHANICAL CIRCULATORY SUPPORT**

Bhombal, S., Dasani, R., Davis, A., Axelrod, D. M., Wong, R. J., Bhutani, V. K.
BMJ PUBLISHING GROUP.2018: 164–65

- **Relationship of Hospital Staff Coverage and Delivery Room Resuscitation Practices to Birth Asphyxia.** *American journal of perinatology*

Tu, J. H., Profit, J., Melsop, K., Brown, T., Davis, A., Main, E., Lee, H. C.
2017; 34 (3): 259-263

- **Utility of third trimester sonographic measurements for predicting SGA in cases of fetal gastroschisis.** *Journal of perinatology*

Blumenfeld, Y. J., Do, S., Girsan, A. I., DAVIS, A. S., Hintz, S. R., Desai, A. K., Mansour, T., Merritt, T. A., Oshiro, B. T., El-Sayed, Y. Y., Shamshirsaz, A. A., Lee, H. C.
2017

- **Prediction of neonatal respiratory distress in pregnancies complicated by fetal lung masses.** *Prenatal diagnosis*

Girsan, A. I., Hintz, S. R., Sammour, R., Naqvi, A., El-Sayed, Y. Y., Sherwin, K., Davis, A. S., Chock, V. Y., Barth, R. A., Rubesova, E., Sylvester, K. G., Chitkara, R., Blumenfeld, et al

2017

- **Prenatally Diagnosed Cases of Binder Phenotype Complicated by Respiratory Distress in the Immediate Postnatal Period.** *Journal of ultrasound in medicine*
Blumenfeld, Y. J., Davis, A. S., Hintz, S. R., Milan, K., Messner, A. H., Barth, R. A., Hudgins, L., Chueh, J., Homeyer, M., Bernstein, J. A., Enns, G., Atwal, P., Manning, et al
2016; 35 (6): 1353-1358
- **Perinatal Neuroprotection for Extremely Preterm Infants** *AMERICAN JOURNAL OF PERINATOLOGY*
Davis, A. S., Berger, V. K., Chock, V. Y.
2016; 33 (3): 290-296
- **Effect of antepartum meconium staining on perinatal and neonatal outcomes among pregnancies with gastroschisis.** *journal of maternal-fetal & neonatal medicine*
Girsen, A. I., Wallenstein, M. B., Davis, A. S., Hintz, S. R., Desai, A. K., Mansour, T., Merritt, T. A., Druzin, M. L., Oshiro, B. T., Blumenfeld, Y. J.
2016; 29 (15): 2500-2504
- **Amplitude-integrated electroencephalography: a survey of practices in the United States.** *American journal of perinatology*
Shah, N. A., Van Meurs, K. P., Davis, A. S.
2015; 32 (8): 755-760
- **Serial aEEG recordings in a cohort of extremely preterm infants: feasibility and safety** *JOURNAL OF PERINATOLOGY*
Davis, A. S., Gantz, M. G., Do, B., Shankaran, S., Hamrick, S. E., Kennedy, K. A., TYSON, J. E., Chalak, L. F., Luptook, A. R., Goldstein, R. F., Hintz, S. R., Das, A., Higgins, et al
2015; 35 (5): 373-378
- **Peripartum and neonatal outcomes of small- for- gestational- age infants with gastroschisis** *PRENATAL DIAGNOSIS*
Girsen, A. I., Do, S., Davis, A. S., Hintz, S. R., Desai, A. K., Mansour, T., Merritt, T. A., Oshiro, B. T., El-Sayed, Y. Y., Blumenfeld, Y. J.
2015; 35 (5): 477-482
- **A randomized clinical trial of therapeutic hypothermia mode during transport for neonatal encephalopathy.** *journal of pediatrics*
Akula, V. P., Joe, P., Thusu, K., Davis, A. S., Tamareisis, J. S., Kim, S., Shimotake, T. K., Butler, S., Honold, J., Kuzniewicz, M., Desandre, G., Bennett, M., Gould, et al
2015; 166 (4): 856-61 e1 2
- **Fetal centers and the role of the neonatologist in complex fetal care.** *American journal of perinatology*
Davis, A. S., Chock, V. Y., Hintz, S. R.
2014; 31 (7): 549-556
- **Outcomes of extremely preterm infants following severe intracranial hemorrhage.** *Journal of perinatology*
DAVIS, A. S., Hintz, S. R., Goldstein, R. F., Ambalavanan, N., Bann, C. M., Stoll, B. J., Bell, E. F., Shankaran, S., Luptook, A. R., Walsh, M. C., HALE, E. C., Newman, N. S., Das, et al
2014; 34 (3): 203-208
- **Outcomes of extremely low birthweight infants with acidosis at birth.** *Archives of disease in childhood. Fetal and neonatal edition*
Randolph, D. A., Nolen, T. L., Ambalavanan, N., Carlo, W. A., Peralta-Carcelen, M., Das, A., Bell, E. F., Davis, A. S., Luptook, A. R., Stoll, B. J., Shankaran, S., Higgins, R. D.
2014
- **Therapeutic hypothermia during neonatal transport: data from the California Perinatal Quality Care Collaborative (CPQCC) and California Perinatal Transport System (CPeTS) for 2010** *JOURNAL OF PERINATOLOGY*
Akula, V. P., Gould, J. B., DAVIS, A. S., Hackel, A., Oehlert, J., Van Meurs, K. P.
2013; 33 (3): 194-197
- **Conservatively Managed Fetal Goiter: An Alternative to in utero Therapy.** *Fetal diagnosis and therapy*
Blumenfeld, Y. J., Davis, A., Milan, K., Chueh, J., Hudgins, L., Barth, R. A., Hintz, S. R.
2013; 34 (3): 184-187
- **Therapeutic Hypothermia during Neonatal Transport: Current Practices in California** *AMERICAN JOURNAL OF PERINATOLOGY*
Akula, V. P., Davis, A. S., Gould, J. B., Van Meurs, K.
2012; 29 (5): 319-326

- **Association of Antenatal Corticosteroids With Mortality and Neurodevelopmental Outcomes Among Infants Born at 22 to 25 Weeks' Gestation** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Carlo, W. A., McDonald, S. A., Fanaroff, A. A., Vohr, B. R., Stoll, B. J., Ehrenkranz, R. A., Andrews, W. W., Wallace, D., Das, A., Bell, E. F., Walsh, M. C., Lipton, A. R., Shankaran, et al
2011; 306 (21): 2348-2358
- **Perspectives of physician parents in the NICU** *Children's Health Care*
Batton B, Verhulst S, Batton D, Davis A, Collin A, Walsh M
2011; 40 (4): 326
- **Seizures in Extremely Low Birth Weight Infants Are Associated with Adverse Outcome** *JOURNAL OF PEDIATRICS*
Davis, A. S., Hintz, S. R., Van Meurs, K. P., Li, L., Das, A., Stoll, B. J., Walsh, M. C., Pappas, A., Bell, E. F., Lipton, A. R., Higgins, R. D.
2010; 157 (5): 720-U47
- **Human Neural Stem Cell Grafts Modify Microglial Response and Enhance Axonal Sprouting in Neonatal Hypoxic-Ischemic Brain Injury** *STROKE*
Daadi, M. M., Davis, A. S., Arac, A., Li, Z., Maag, A., Bhatnagar, R., Jiang, K., Sun, G., Wu, J. C., Steinberg, G. K.
2010; 41 (3): 516-523
- **Bedside cerebral monitoring to predict neurodevelopmental outcomes** *NeoReviews*
Chock VY, Davis AS
2009; 10 (3): e121-e129
- **Challenges of giant omphalocele: from fetal diagnosis to follow-up** *NeoReviews*
Davis AS, Blumenfeld Y, Rubesova E, Abrajano C, El-Sayed YY, Dutta S, Barth RA, Hintz SR
2008; 9 (8): e338-e347
- **Gene therapy using SOD1 protects striatal neurons from experimental stroke** *NEUROSCIENCE LETTERS*
Davis, A. S., Zhao, H., Sun, G. H., Sapolsky, R. M., Steinberg, G. K.
2007; 411 (1): 32-36