



## Jin S. Hahn, MD

Professor of Neurology at the Stanford University Medical Center, Emeritus  
Adult Neurology

 NIH Biosketch available Online

 Curriculum Vitae available Online

### Bio

---

#### ACADEMIC APPOINTMENTS

- Emeritus Faculty - University Medical Line, Adult Neurology

#### ADMINISTRATIVE APPOINTMENTS

- Chairman of CNS Electronic Communications Committee, Child Neurology Society, (1999-2005)
- Counselor from West, Professors of Child Neurology, (2004-2006)
- Service Chief, Neurology, Lucile Packard Children's Hospital, (1991-2005)
- Director of Child Neurology Residency Training Program, Dept. of Neurology & Neurological Sciences, (1991-2008)
- Co-director, NSADA (Neurologic Sciences Academic Development Award) Stanford, (2004-2008)
- Executive Committee, Stanford Center for Clinical Informatics (SCCI), (2004-2008)
- Division Chief, Pediatric Neurology, Stanford Dept. of Neurology, (1996-2008)
- Chief Medical Information Officer, Lucile Packard Children's Hospital, (2004-2008)
- Medical Director of Clinical Informatics, Lucile Packard Children's Hospital, (2012- present)

#### PROFESSIONAL EDUCATION

- Board Certification, American Board of Psychiatry and Neurology , Clinical Neurophysiology (1992)
- Board Certification, American Board of Preventive Medicine , Clinical Informatics (2013)
- MD, Harvard Medical School , Medicine (1982)
- Fellowship, Stanford Biomedical Informatics , Clinical Informatics (1999)

#### COMMUNITY AND INTERNATIONAL WORK

- India Medical Mission, Southern India
- Amor Ministry, Baja California, Mexico

#### LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

### Research & Scholarship

---

#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Clinical research: Brain Malformations, Neonatal seizures

## Publications

---

### PUBLICATIONS

- **Agenesis of Corpus Callosum and Associated Malformations: From Aicardi to Zellweger Syndromes** *NeoReviews*  
Hahn JS, MacLean J, Yeom K  
2012; 13 (4): e224
- **Rapid Implementation of Inpatient Electronic Physician Documentation at an Academic Hospital** *APPLIED CLINICAL INFORMATICS*  
Hahn, J. S., Bernstein, J. A., MCKENZIE, R. B., King, B. J., Longhurst, C. A.  
2012; 3 (2): 175-185
- **Rapid Implementation of Inpatient Electronic Physician Documentation at an Academic Hospital** *Applied Clinical Informatics*  
Hahn JS, Bernstein JA, McKenzie RB, King BJ, Longhurst CA  
2012; 3 (2): 175-185
- **Septopreoptic Holoprosencephaly: A Mild Subtype Associated with Midline Craniofacial Anomalies** *AMERICAN JOURNAL OF NEURORADIOLOGY*  
Hahn, J. S., Barnes, P. D., Clegg, N. J., Stashinko, E. E.  
2010; 31 (9): 1596-1601
- **Decrease in Hospital-wide Mortality Rate After Implementation of a Commercially Sold Computerized Physician Order Entry System** *PEDIATRICS*  
Longhurst, C. A., Parast, L., Sandborg, C. I., Widen, E., Sullivan, J., Hahn, J. S., Dawes, C. G., Sharek, P. J.  
2010; 126 (1): 14-21
- **Neuroimaging Advances in Holoprosencephaly: Refining the Spectrum of the Midline Malformation** *AMERICAN JOURNAL OF MEDICAL GENETICS PART C-SEMINARS IN MEDICAL GENETICS*  
Hahn, J. S., Barnes, P. D.  
2010; 154C (1): 120-132
- **Differential diagnosis and evaluation in pediatric multiple sclerosis** *Workshop on Consensus Definitions Proposed for Pediatric Multiple Sclerosis and Related Disorders*  
Hahn, J. S., Pohl, D., Rensel, M., Rao, S.  
LIPPINCOTT WILLIAMS & WILKINS.2007: S13-S22
- **Acute disseminated encephalomyelitis** *Workshop on Consensus Definitions Proposed for Pediatric Multiple Sclerosis and Related Disorders*  
Tenembaum, S., Chitnis, T., Ness, J., Hahn, J. S.  
LIPPINCOTT WILLIAMS & WILKINS.2007: S23-S36
- **Links between abnormal brain structure and cognition in holoprosencephaly** *PEDIATRIC NEUROLOGY*  
Roesler, C. P., Paterson, S. J., Flax, J., Hahn, J. S., Kovar, C., Stashinko, E. E., Jing, H., Benasich, A. A.  
2006; 35 (6): 387-394
- **Factor analysis of neuroanatomical and clinical characteristics of holoprosencephaly** *BRAIN & DEVELOPMENT*  
Hahn, J. S., Barkovich, A. J., Stashinko, E. E., Kinsman, S. L., Delgado, M. R., Clegg, N. J.  
2006; 28 (7): 413-419
- **Endocrine disorders associated with holoprosencephaly** *JOURNAL OF PEDIATRIC ENDOCRINOLOGY & METABOLISM*  
Hahn, J. S., Hahn, S. M., Kammann, H., Barkovich, A. J., Clegg, N. J., Delgado, M. R., Levey, E.  
2005; 18 (10): 935-941
- **Evaluation and management of children with holoprosencephaly** *PEDIATRIC NEUROLOGY*  
Hahn, J. S., Plawner, L. L.  
2004; 31 (2): 79-88
- **A retrospective survey of perinatal risk factors of 104 living children with holoprosencephaly** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*  
Stashinko, E. E., Clegg, N. J., Kammann, H. A., Sweet, V. T., Delgado, M. R., Hahn, J. S., Levey, E. B.

2004; 128A (2): 114-119

- **Electroencephalography in holoprosencephaly: findings in children without epilepsy** *CLINICAL NEUROPHYSIOLOGY*  
Hahn, J. S., Delgado, M. R., Clegg, N. J., Sparagana, S. P., Gerace, K. L., Barkovich, A. J., Olson, D. M.  
2003; 114 (10): 1908-1917
- **Hydranencephaly owing to twin-twin transfusion: Serial fetal ultrasonography and magnetic resonance imaging findings** *JOURNAL OF CHILD NEUROLOGY*  
Hahn, J. S., Lewis, A. J., Barries, P.  
2003; 18 (5): 367-370
- **Unilateral schizencephaly and contralateral polymicrogyria associated with umbilical cord mass** *JOURNAL OF CHILD NEUROLOGY*  
Hahn, J. S., Lewis, A. J.  
2003; 18 (3): 232-234
- **MRI shows abnormal white matter maturation in classical holoprosencephaly** *NEUROLOGY*  
Barkovich, A. J., Simon, E. M., Glenn, O. A., Clegg, N. J., Kinsman, S. L., Delgado, M., Hahn, J. S.  
2002; 59 (12): 1968-1971
- **Middle interhemispheric variant of holoprosencephaly - A distinct cliniconoradiologic subtype** *NEUROLOGY*  
Lewis, A. J., Simon, E. M., Barkovich, A. J., Clegg, N. J., Delgado, M. R., Levey, E., Hahn, J. S.  
2002; 59 (12): 1860-1865
- **Holoprosencephaly: genetic, neuroradiological, and clinical advances.** *Seminars in pediatric neurology*  
Hahn, J. S., Pinter, J. D.  
2002; 9 (4): 309-319
- **Neuroanatomy of holoprosencephaly as predictor of function - Beyond the face predicting the brain** *NEUROLOGY*  
Plawner, L. L., Delgado, M. R., Miller, V. S., Levey, E. B., Kinsman, S. L., Barkovich, A. J., Simon, E. M., Clegg, N. J., Sweet, V. T., Stashinko, E. E., Hahn, J. S.  
2002; 59 (7): 1058-1066
- **The middle interhemispheric variant of holoprosencephaly** *39th Annual Meeting of the American-Society-of-Neuroradiology*  
Simon, E. M., Hevner, R. F., Pinter, J. D., Clegg, N. J., Delgado, M., Kinsman, S. L., Hahn, J. S., Barkovich, A. J.  
AMER SOC NEURORADIOLOGY.2002: 151-55
- **Analysis of the cerebral cortex in holoprosencephaly with attention to the sylvian fissures** *AMERICAN JOURNAL OF NEURORADIOLOGY*  
Barkovich, A. J., Simon, E. M., Clegg, N. J., Kinsman, S. L., Hahn, J. S.  
2002; 23 (1): 143-150
- **Assessment of the deep gray nuclei in holoprosencephaly** *38th Annual Meeting of the American-Society-of-Neuroradiology*  
Simon, E. M., Hevner, R., Pinter, J. D., Clegg, N. J., Miller, V. S., Kinsman, S. L., Hahn, J. S., Barkovich, A. J.  
AMER SOC NEURORADIOLOGY.2000: 1955-61
- **Holoprosencephaly: recent advances and new insights.** *Current opinion in neurology*  
Kinsman, S. L., Plawner, L. L., Hahn, J. S.  
2000; 13 (2): 127-132
- **Improved Medical Student Engagement with EHR Documentation following the 2018 Centers for Medicare and Medicaid Billing Changes.** *Applied clinical informatics*  
Stevens, L. A., Pageler, N. M., Hahn, J. S.  
2021; 12 (3): 582-588
- **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
- **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

- **In-depth investigations of adolescents and adults with holoprosencephaly identify unique characteristics** *GENETICS IN MEDICINE*  
Weiss, K., Kruszka, P., Sacoto, M., Addissie, Y. A., Hadley, D. W., Hadsall, C. K., Stokes, B., Hu, P., Roessler, E., Solomon, B., Wiggs, E., Thurm, A., Hufnagel, et al  
2018; 20 (1): 14–23
- **Special requirements for electronic medical records in neurology.** *Neurology. Clinical practice*  
McCarthy, L. H., Longhurst, C. A., Hahn, J. S.  
2015; 5 (1): 67-73
- **The Impact of an Online Social Network With Wireless Monitoring Devices on Physical Activity and Weight Loss** *JOURNAL OF PRIMARY CARE AND COMMUNITY HEALTH*  
Greene, J., Sacks, R., Piniewski, B., Kil, D., Hahn, J. S.  
2013; 4 (3): 189–94
- **The impact of an Online Social Network With Wireless Monitoring Devices on Physical Activity and Weight Loss** *Journal of Primary Care & Community Health*  
Greene Jessica, Sacks R, Piniewski B, Kil D, Hahn JS  
2012; epublihed
- **The Impact of an Online Social Network With Wireless Monitoring Devices on Physical Activity and Weight Loss** *Journal of Primary Care & Community Health*  
Jessica Greene, Sacks R, Piniewski B, Kil D, Hahn JS  
2012; epublihed
- **The Impact of an Online Social Network With Wireless Monitoring Devices on Physical Activity and Weight Loss** *Journal of Primary Care & Community Health*  
Jessica Greene, Sacks R, Piniewski B, Kil D, Hahn JS  
2012; epublihed
- **Newborn with prenatally diagnosed choroidal fissure cyst and panhypopituitarism and review of the literature.** *AJP reports*  
Chitkara, R., Rajani, A., Bernstein, J., Shah, S., Hahn, J. S., Barnes, P., Hintz, S. R.  
2011; 1 (2): 111-114
- **Newborn with Prenatally Diagnosed Choroidal Fissure Cyst and Panhypopituitarism and Review of the Literature** *AJP REPORTS*  
Chitkara, R., Rajani, A., Bernstein, J., Shah, S., Hahn, J. S., Barnes, P., Hintz, S. R.  
2011; 1 (2): 111–14
- **NEWBORN WITH CHOROIDAL FISSURE CYST AND PANHYPOPITUITARISM** *Western Regional Meeting of the American-Federation-for-Medical-Research*  
Chitkara, R., Rajani, A., Bernstein, J., Hudgins, L., Shah, S., Hahn, J., Hintz, S.  
LIPPINCOTT WILLIAMS & WILKINS.2011: 166–66
- **Mutations in ZIC2 in human holoprosencephaly: description of a Novel ZIC2 specific phenotype and comprehensive analysis of 157 individuals** *JOURNAL OF MEDICAL GENETICS*  
Solomon, B. D., Lacbawan, F., Mercier, S., Clegg, N. J., Delgado, M. R., Rosenbaum, K., Dubourg, C., David, V., Olney, A. H., Wehner, L., Hehr, U., Bale, S., Paulussen, et al  
2010; 47 (8): 513-524
- **Compound Heterozygosity for Mutations in PAX6 in a Patient With Complex Brain Anomaly, Neonatal Diabetes Mellitus, and Microphthalmia** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*  
Solomon, B. D., Pineda-Alvarez, D. E., Balog, J. Z., Hadley, D., Gropman, A. L., Nandagopal, R., Han, J. C., Hahn, J. S., Blain, D., Brooks, B., Muenke, M.  
2009; 149A (11): 2543-2546
- **Clinical spectrum of SIX3-associated mutations in holoprosencephaly: correlation between genotype, phenotype and function** *JOURNAL OF MEDICAL GENETICS*

- Lacbawan, F., Solomon, B. D., ROESSLER, E., El-Jaick, K., Domene, S., Velez, J. I., Zhou, N., Hadley, D., Balog, J. Z., Long, R., Fryer, A., Smith, W., Omar, et al  
2009; 46 (6): 389-398
- **Holoprosencephaly.** *Handbook of clinical neurology*  
Hahn, J. S.  
2008; 87: 13-37
  - **Clinical features and viral serologies in children with multiple a multinational observational study** *LANCET NEUROLOGY*  
Banwell, B., Krupp, L., Kennedy, J., Tellier, R., Tenembaum, S., Ness, J., Belman, A., Boiko, A., Bykova, O., Waubant, E., Kmoh, J., Stoian, C., Kremenchutzky, et al  
2007; 6 (9): 773-781
  - **Functional analysis of mutations in TGIF associated with holoprosencephaly** *MOLECULAR GENETICS AND METABOLISM*  
El-Jaick, K. B., Powers, S. E., Bartholin, L., Myers, K. R., Hahn, J., Orioli, I. M., Ouspenskaia, M., Lacbawan, F., Roessler, E., Wotton, D., Muenke, M.  
2007; 90 (1): 97-111
  - **Perceived increase in mortality after process and policy changes implemented with computerized physician order entry** *PEDIATRICS*  
Longhurst, C., Sharek, P., Hahn, J., Sullivan, J., Classen, D.  
2006; 117 (4): 1450-1451
  - **Viral exposures in paediatric multiple sclerosis: preliminary data from a multinational collaborative study** *20th Congress of the European-Committee-for-Treatment-and-Research-in-Multiple-Sclerosis/9th Annual Meeting of Rehabilitation in MS*  
Banwell, B., Tellier, R., Krupp, L., Bar-Or, A., Kennedy, J., Tenembaum, S., Belman, A., Ness, J., Hahn, J., Waubant, E., Mah, J., Stoian, C., Rensel, et al  
SAGE PUBLICATIONS LTD.2004: S161-S162
  - **Mild developmental delay in terminal chromosome 6p deletion** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*  
Chen, K. M., Cherry, A. M., Hahn, J. S., Enns, G. M.  
2004; 129A (2): 201-205
  - **Microangiopathy of brain, retina, and inner ear (Susac's syndrome) in an adolescent female presenting as acute disseminated encephalomyelitis** *PEDIATRICS*  
Hahn, J. S., Lannin, W. C., Sarwal, M. M.  
2004; 114 (1): 276-281
  - **Frontal lobe seizures and uveitis associated with acute human parvovirus B19 infection** *JOURNAL OF CHILD NEUROLOGY*  
Hsu, D., Sandborg, C., Hahn, J. S.  
2004; 19 (4): 304-306
  - **Sleep and EEGs in children** *58th Annual Meeting of the American-Epilepsy-Society*  
Olson, D. M., Hall, P. T., Kremetz, M., Hahn, J. S.  
WILEY-BLACKWELL.2004: 253-253
  - **Stimulus-induced drop episodes in Coffin-Lowry syndrome** *PEDIATRICS*  
Nelson, G. B., Hahn, J. S.  
2003; 111 (3)
  - **Short duration of benign partial epilepsy in infancy** *JOURNAL OF CHILD NEUROLOGY*  
Nelson, G. B., Olson, D. M., Hahn, J. S.  
2002; 17 (6): 440-445
  - **Holoprosencephaly: A review** *AMERICAN JOURNAL OF ELECTRONEURODIAGNOSTIC TECHNOLOGY*  
Clegg, N. J., Gerace, K. L., Sparagana, S. P., Hahn, J. S., Delgado, M. R.  
2002; 42 (2): 59-72
  - **Congenital hypomyelination neuropathy in a newborn infant: Unusual cause of diaphragmatic and vocal cord paralyses** *PEDIATRICS*  
Hahn, J. S., Henry, M., Hudgins, L., Madan, A.  
2001; 108 (5)
  - **Sedation of children for electroencephalograms** *PEDIATRICS*

- Olson, D. M., Sheehan, M. G., Thompson, W., Hall, P. T., Hahn, J.  
2001; 108 (1): 163-165
- **Structured data management - the design and implementation of a web-based video archive prototype** *Annual Symposium of the American-Medical-Informatics-Association (AMIA 2001)*  
Zou, H., Lu, Q. C., Durack, J. C., Chao, C., Strasberg, H. R., Zhang, Y., Tsai, M., Melmon, K., Hahn, J. S.  
BMJ PUBLISHING GROUP.2001: 786-790
  - **Moyamoya syndrome in children with Alagille syndrome: Additional evidence of a vasculopathy** *PEDIATRICS*  
Woolfenden, A. R., Albers, G. W., Steinberg, G. K., Hahn, J. S., Johnston, D. C., Farrell, K.  
1999; 103 (2): 505-508
  - **Progressive multifocal leukoencephalopathy in a 15-year-old boy with scleroderma and secondary amyloidosis** *PEDIATRICS*  
Hahn, J. S., Harris, B. T., Gutierrez, K., Sandborg, C.  
1998; 102 (6): 1475-1479
  - **Celiac disease presenting as gait disturbance and ataxia in infancy** *24th Annual Meeting of the Child-Neurology-Society*  
Hahn, J. S., Sum, J. M., Bass, D., Crowley, R. S., Horoupian, D. S.  
SAGE PUBLICATIONS INC.1998: 351-53
  - **Wernicke encephalopathy and Beriberi during total parenteral nutrition attributable to multivitamin infusion shortage** *PEDIATRICS*  
Hahn, J. S., Berquist, W., Alcorn, D. M., Chamberlain, L., Bass, D.  
1998; 101 (1)
  - **Bilateral tonic-clonic epileptic seizures in non-benign familial neonatal convulsions** *PEDIATRIC NEUROLOGY*  
Alfonso, I., Hahn, J. S., Papazian, O., Martinez, Y. L., Reyes, M. A., Aicardi, J.  
1997; 16 (3): 249-251
  - **Phenytoin-related chorea in children with deep hemispheric vascular malformations** *JOURNAL OF CHILD NEUROLOGY*  
Koukkari, M. W., Vanefsky, M. A., Steinberg, G. K., Hahn, J. S.  
1996; 11 (6): 490-491
  - **Intravenous gammaglobulin therapy in recurrent acute disseminated encephalomyelitis** *NEUROLOGY*  
Hahn, J. S., Siegler, D. J., ENZMANN, D.  
1996; 46 (4): 1173-1174
  - **Predictive value of EEG for outcome and epilepsy following neonatal seizures** *ELECTROENCEPHALOGRAPHY AND CLINICAL NEUROPHYSIOLOGY*  
ORTIBUS, E. L., Sum, J. M., Hahn, J. S.  
1996; 98 (3): 175-185
  - **BRAIN-STEM MULTIPLE-SCLEROSIS IN AN 11-YEAR-OLD CHILD PRESENTING AS ACUTE DISSEMINATED ENCEPHALOMYELITIS** *JOURNAL OF CHILD NEUROLOGY*  
Mostafapour, S. P., ENZMANN, D., North, W., Hahn, J. S.  
1995; 10 (6): 476-480
  - **KERNICTERUS IN A FULL-TERM INFANT** *PEDIATRICS*  
Penn, A. A., Enzmann, D. R., Hahn, J. S., Stevenson, D. K.  
1994; 93 (6): 1003-1006
  - **UNUSUAL MRI FINDINGS AFTER STATUS EPILEPTICUS DUE TO CAT-SCRATCH DISEASE** *PEDIATRIC NEUROLOGY*  
Hahn, J. S., Sum, J. M., Lee, K. P.  
1994; 10 (3): 255-258
  - **NEONATAL STATUS EPILEPTICUS - ELECTROENCEPHALOGRAPHIC FINDINGS AND NEUROLOGIC OUTCOME**  
HAHN, J. S., ORTIBUS, E. L., SUM, J. M.  
WILLIAMS & WILKINS.1994: A228
  - **DISSEMINATED MULTIFOCAL HERPES-ZOSTER LEUKOENCEPHALITIS AND SUBCORTICAL HEMORRHAGE IN AN IMMUNOSUPPRESSED CHILD** *JOURNAL OF CHILD NEUROLOGY*  
Herrold, J. M., Hahn, J. S.

1994; 9 (1): 56-58

- **CONTROVERSIES IN TREATMENT OF NEONATAL SEIZURES** *PEDIATRIC NEUROLOGY*  
Hahn, J. S.  
1993; 9 (4): 330-331
- **ELECTROENCEPHALOGRAPHIC AND NEUROIMAGING FINDINGS IN NEONATES UNDERGOING EXTRACORPOREAL MEMBRANE-OXYGENATION** *NEUROPEDIATRICS*  
Hahn, J. S., Vaucher, Y., Bejar, R., Coen, R. W.  
1993; 24 (1): 19-24
- **PROGNOSTIC VALUE OF EEG IN NEONATAL MENINGITIS - RETROSPECTIVE STUDY OF 29 INFANTS** *PEDIATRIC NEUROLOGY*  
CHEQUER, R. S., Tharp, B. R., Dreimane, D., Hahn, J. S., Clancy, R. R., Coen, R. W.  
1992; 8 (6): 417-422
- **DETECTION OF NEONATAL SEIZURES THROUGH COMPUTERIZED EEG ANALYSIS** *ELECTROENCEPHALOGRAPHY AND CLINICAL NEUROPHYSIOLOGY*  
Liu, A., Hahn, J. S., Heldt, G. P., Coen, R. W.  
1992; 82 (1): 30-37
- **NEONATAL SUBEPENDYMAL GIANT-CELL ASTROCYTOMA ASSOCIATED WITH TUBEROUS SCLEROSIS - MRI, CT, AND ULTRASOUND CORRELATION** *NEUROLOGY*  
Hahn, J. S., Bejar, R., Gladson, C. L.  
1991; 41 (1): 124-128
- **Winner of the Brazier Award. The dysmature EEG pattern in infants with bronchopulmonary dysplasia and its prognostic implications.** *Electroencephalography and clinical neurophysiology*  
Hahn, J. S., Tharp, B. R.  
1990; 76 (2): 106-113
- **THE DYSMATURE EEG PATTERN IN INFANTS WITH BRONCHOPULMONARY DYSPLASIA AND ITS PROGNOSTIC IMPLICATIONS** *ELECTROENCEPHALOGRAPHY AND CLINICAL NEUROPHYSIOLOGY*  
Hahn, J. S., Tharp, B. R.  
1990; 76 (2): 106-113
- **INTERBURST INTERVAL MEASUREMENTS IN THE EEGS OF PREMATURE-INFANTS WITH NORMAL NEUROLOGICAL OUTCOME** *ELECTROENCEPHALOGRAPHY AND CLINICAL NEUROPHYSIOLOGY*  
Hahn, J. S., Monyer, H., Tharp, B. R.  
1989; 73 (5): 410-418
- **NEUROLOGICAL COMPLICATIONS OF HEMOLYTIC-UREMIC SYNDROME** *JOURNAL OF CHILD NEUROLOGY*  
Hahn, J. S., Havens, P. L., Higgins, J. J., OROURKE, P. P., Estroff, J. A., Strand, R.  
1989; 4 (2): 108-113
- **LABORATORY AND CLINICAL-VARIABLES TO PREDICT OUTCOME IN HEMOLYTIC-UREMIC SYNDROME** *AMERICAN JOURNAL OF DISEASES OF CHILDREN*  
Havens, P. L., OROURKE, P. P., Hahn, J., Higgins, J., Walker, A. M.  
1988; 142 (9): 961-964
- **CENTRAL MAMMALIAN NEURONS NORMALLY RESISTANT TO GLUTAMATE TOXICITY ARE MADE SENSITIVE BY ELEVATED EXTRACELLULAR CA-2+ - TOXICITY IS BLOCKED BY THE N-METHYL-D-ASPARTATE ANTAGONIST MK-801** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Hahn, J. S., Aizenman, E., Lipton, S. A.  
1988; 85 (17): 6556-6560
- **SERUM SICKNESS TRIGGERED BY ANAPHYLAXIS - A COMPLICATION OF IMMUNOTHERAPY** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY*  
Umetsu, D. T., Hahn, J. S., PEREZATAYDE, A. R., Geha, R. S.  
1985; 76 (5): 713-718