

CURRICULUM VITAE

JIN S. HAHN, M.D.

PERSONAL

Birth: March 14, Seoul, Korea
Citizenship: United States
Married
Children, 2 daughters

EDUCATION

A.B. 1978 Harvard University, Chemistry and Physics
M.D. 1982 Harvard Medical School
Harvard-MIT Health Sciences and Technology Program
9/98 – 8/99 Stanford Medical Informatics Program (Visiting Scholar Program)

AWARDS AND HONORS

1978 Highest Honors in Chemistry and Physics, Magna Cum Laude, Harvard
1978 Phi Beta Kappa, Harvard
1979 Medical Student Research Fellowship, Myasthenia Gravis Foundation
1990 M.A.B. Brazier Young Investigator Award (Clinical Neurophysiology)

LICENSURE

California

BOARD CERTIFICATION

The American Board of Pediatrics, September 1987
American Board of Clinical Neurophysiology, March 1989
American Board of Psychiatry and Neurology
Certified in Neurology with Special Qualification in Child Neurology, June 1989
American Board of Psychiatry and Neurology
Certified with Special Qualification in Clinical Neurophysiology, July 1992
Recertified, June 2001
Certified Professional in Healthcare Information and Management Systems (CPHIMS), February 2006

PROFESSIONAL AFFILIATION

Member, Child Neurology Society, 1987 – present
Member, American Academy of Pediatrics, 1988 –1994, 2004 – present
Member, American Epilepsy Society, 1991 – present
Active member, American Academy of Neurology, 1991 – present
Professors of Child Neurology, 1997 – 2008
Member, American Medical Informatics Association, 1998 – present
Member, Health Information Medical System Society, 2000 – present

Association of University Professors of Neurology, 1997 – 2008
International Child Neurology Association, 2003 – present
Society for Pediatric Research, 2003 – present
American Neurology Association, 2004 – present

MEDICAL TRAINING

1982 – 1984 Pediatrics Internship and Residency
 The Children’s Hospital
 Boston, Massachusetts

1984 – 1987 Longwood Area Neurology Training Program
 Harvard Medical School
 Boston, Massachusetts
 1984 - 1985 Junior Assistant Resident
 1985 - 1986 Senior Assistant Resident
 1986 - 1987 Chief Resident, Boston Children’s Hospital

1987 – 1989 Fellowship in Electroencephalography and
 Epilepsy Training Grant
 Clinical Instructor in Neurology
 Stanford University Medical Center
 Stanford, California

ACADEMIC APPOINTMENTS

1982 – 1987 Clinical Instructor, Harvard Medical School

1987 – 1989 Volunteer Clinical Faculty
 Physician Specialist in Pediatric Neurology
 Stanford University Hospital and
 Children’s Hospital at Stanford
 Stanford, California

1989 – 1991 Assistant Clinical Professor of Neurosciences and Pediatrics
 Level II – III
 University of California San Diego
 San Diego, California

7/29/91–10/1/91 Acting Assistant Professor of Neurology and Neurological Sciences
 Stanford University

10/1/91–8/31/94 Assistant Professor of Neurology and Neurological Sciences
9/1/94–8/31/96 and of Pediatrics, Stanford University

9/1/96-8/31/01 Associate Professor of Neurology and Neurological Sciences
 and of Pediatrics, Stanford University

9/1/01–9/30/05 Associate Professor of Neurology and Neurological Sciences
 and of Pediatrics, Stanford University (Reappointment)

1/1/2001 – 9/31/2005 Associate Professor, by courtesy, of Neurosurgery

10/1/2005 – present Professor of Neurology and Neurological Sciences and of Pediatrics and
 Professor, by Courtesy of Neurosurgery, Stanford University

ADMINISTRATIVE APPOINTMENTS

7/29/91– 12/31/05	Chief of Neurology Service, Lucile Packard Children's Hospital at Stanford
7/29/91–6/30/02	Medical Director of EEG Laboratory, Packard Children's Hospital at Stanford
6/99 – 9/08	Chief of Pediatric Neurology Division, Stanford University
7/91 – 9/98 6/00 – 9/08	Director of Child Neurology Residency Program, Stanford University
1999 – 2012	Medical Director, Carter Centers for Brain Research in Holoprosencephaly and Related Malformations, Stanford University
2000 – 2003	Co-director, MDA Clinic, Lucile Packard Children's Hospital at Stanford
2004 – 2008	Chief Medical Information Officer, Lucile Packard Children's Hospital
2004 – 2008	Co-director, NSADA (K-12) at Stanford School of Medicine, Dept. Neurology
2005 – 2008	Co-director for Neurology, Brain and Behavior Center of Children's Health Initiative
2012 – present	Medical Director of Informatics, Lucile Packard Children's Hospital

BIBLIOGRAPHY

REFEREED JOURNAL ARTICLES:

1. Umetsu DT, **Hahn JS**, Perez-Atayde AR, Geha RS. Serum sickness triggered by anaphylaxis: a complication of immunotherapy. *The Journal of Allergy and Clinical Immunology*, 1985, 76:713-718.
2. Havens PL, O'Rourke PP, **Hahn J**, Higgins JJ, Walker AM. Laboratory and clinical variables to predict outcome in hemolytic-uremic syndrome. *Am. J. Dis. Child.*, 1988, 142:961-964.
3. **Hahn JS**, Aizenman E, Lipton SA. Central mammalian neurons normally resistant to glutamate toxicity are made sensitive by elevated extracellular calcium: Toxicity is blocked by the N-methyl-D-aspartate antagonist MK-801. *Proceedings of the National Academy of Science*, 1988, 85:6556-6560.
4. **Hahn JS**, Havens PL, Higgins JJ, O'Rourke PP, Estroff JA, Strand R. Neurological complications of hemolytic-uremic syndrome. *Journal of Child Neurology*, 1989, 4:108-113.
5. **Hahn JS**, Monyer H, Tharp BR. Interburst interval measurements in the EEG of premature infants with normal neurological outcome. *Electroencephalography and Clin. Neurophys.* 1989, 73:410-418.
6. **Hahn JS**, Tharp BR. The dysmature EEG in infants with bronchopulmonary dysplasia and its prognostic implications. *Electroencephalography and Clin. Neurophys.* 1990, 76:106-113. (Winner of the M.A.B. Brazier Award)
7. **Hahn JS**, Bejar R, Gladson CL. Neonatal subependymal giant cell astrocytoma associated with tuberous sclerosis: MRI, CT and ultrasound correlation. *Neurology* 1991, 41:124-128.

8. Liu A, **Hahn JS**, Heldt GP, Coen RW. Detection of neonatal seizures through computerized EEG analysis. *Electroencephalography and Clin. Neurophys.* 1992, 82:30-37.
9. Chequer RS, Tharp BR, Dreimane D, **Hahn JS**, Clancy RR, Coen RW. The prognostic value of the EEG in neonatal meningitis: a retrospective study of 29 infants. *Pediatric Neurology*, 1992, 8:417-422.
10. **Hahn JS**, Vaucher Y, Bejar R, Coen RW. Electroencephalographic and neuroimaging findings in neonates undergoing extracorporeal membrane oxygenation. *Neuropediatrics* 1993, 24:19-24.
11. Herrold JM, **Hahn JS**. Disseminated multifocal varicella-zoster leukoencephalitis and subcortical hemorrhage in an immunosuppressed child *Journal of Child Neurology*, 1994, 9:56-58.
12. Penn AA, Enzmann DR, **Hahn JS**, Stevenson DK. Kernicterus in a full term infant. *Pediatrics*. 1994, 93:1003-1006.
13. **Hahn JS**, Sum JM, Lee KP. Unusual MRI findings after status epilepticus due to cat-scratch disease. *Pediatric Neurology* 1994, 10:255-258.
14. Mostafapour SP, Enzmann D, **Hahn JS**. Brainstem multiple sclerosis in an 11-year-old child presenting as acute disseminated encephalomyelitis. *Journal of Child Neurology*, 1995, 10:476-480.
15. Ortibus EL, Sum JM, **Hahn JS**. Predictive value of EEG for outcome and epilepsy following EEG-confirmed neonatal seizures. *Electroencephalography and Clin. Neurophys.* 1996, 98:175-185.
16. **Hahn JS**, Siegler DJ, Enzmann D. Intravenous gammaglobulin therapy in recurrent acute disseminated encephalomyelitis *Neurology*, 1996, 46:1173-1174.
17. Koukkari MW, Vanefsky MA, Steinberg GK, **Hahn JS**. Phenytoin-related chorea in children with deep hemispheric vascular malformation. *Journal of Child Neurology*, 1996, 11:490-491.
18. Alfonso I, **Hahn JS**, Papazian O, Martinez YL, Reyes MA, Aicardi J. Bilateral tonic-clonic epileptic seizures in non-benign familial neonatal convulsions. *Pediatric Neurology*, 1997, 16:249-251.
19. **Hahn JS**, Sum JM, Bass D, Crowley RD, Horoupian DS. Celiac disease presenting as gait disturbance and ataxia in infancy. *Journal of Child Neurology* 1998, 13:351-353.
20. **Hahn JS**, Berquist W, Alcorn DM, Chamberlain L, Bass D. Wernicke encephalopathy and beriberi during total parenteral nutrition due to multivitamin infusion shortage. *Pediatrics*, 1998, 101:e10.
21. **Hahn JS**, Harris BT, Gutierrez K, Sandborg K. Progressive multifocal leukoencephalopathy in a 15-year-old boy with scleroderma and secondary amyloidosis. *Pediatrics*, 1998, 102:1475-1479.
22. Woolfenden AR, Albers GW, Steinberg GK, **Hahn JS**, Johnston DCC, Farrell K. Moyamoya syndrome in children with Alagille syndrome: further evidence of a vasculopathy. *Pediatrics*, 1999, 103:505-508.
23. Simon EM, Hevner R, Pinter JD, Delgado M, Clegg N, Kinsman S, **Hahn JS**, Barkovich AJ. Assessment of the deep gray nuclei in holoprosencephaly. *AJNR American Journal of Neuroradiology*. 2000, 21:1955-1961.
24. Olson DM, Sheehan MG, Thompson W, Hall PT, **Hahn J**. Sedation of children in the EEG Laboratory *Pediatrics* 2001, 108:163-165.
25. **Hahn JS**, Henry M, Hudgins L, Madan A. Congenital hypomyelination neuropathy presenting at birth with phrenic nerve and left vocal cord paralysis. *Pediatrics*, 2001, 108:E95.

26. Simon EM, Hevner R, Pinter JD, Clegg NJ, Delgado M, Kinsman S, **Hahn JS**, Barkovich AJ. The dorsal cyst in holoprosencephaly and the role of the thalami in its formation. *Neuroradiology*, 2001, 43:787-791.
27. Simon EM, Hevner R, Pinter JD, Clegg NJ, Delgado M, Kinsman SL, **Hahn JS**, Barkovich AJ. The middle interhemispheric variant of holoprosencephaly. *AJNR American Journal of Neuroradiology*, 2002, 23:151-155.
28. Zou H, Lu QC, Durack J, Chao J, Strasberg H, Zhang Y, Xiao Z, Tsai M, Melmon K, **Hahn JS**. Structured data management—the design and implementation of a web-based video archive prototype. *Proc AMIA Symp 2001*, 786-790.
29. Barkovich AJ, Simon EM, Clegg NJ, Kinsman SL, **Hahn JS**. Analysis of the cerebral cortex in holoprosencephaly with attention to the Sylvian Fissure. *AJNR American Journal of Neuroradiology*, 2002, 23:143-150.
30. Nelson GB, Olson DO, **Hahn JS**, Short duration of benign partial epilepsy of infancy. *J Child Neurology*, 2002,17:440-445.
31. Plawner LL, Delgado MR, Miller VS, Levey EB, Kinsman, SL, Barkovich AJ, Simon ER, Clegg NJ, Sweet VT, Stashinko EE, **Hahn JS**. Neuroanatomy of Holoprosencephaly as Predictor of Function: Beyond the Face Predicting the Brain. *Neurology* 2002, 59:1058-1066.
32. Lewis AJ, Simon, EM, Barkovich AJ, Clegg NJ, Delgado MD, Levey, EB, **Hahn JS**. Middle interhemispheric variant of holoprosencephaly: a distinct cliniconeuroradiologic subtype. *Neurology* 2002, 59:1860-1865.
33. Barkovich AJ, Simon EM, Glenn OA, Clegg NJ, Kinsman SL, Delgado M, **Hahn JS**. MRI shows abnormal white matter maturation in classical holoprosencephaly *Neurology* 2002, 59:1968-1971.
34. Nelson GB, **Hahn JS**. Stimulus-induced drop episodes in Coffin-Lowry syndrome. *Pediatrics* 2003, 111:e197-e202.
35. **Hahn JS**, Lewis AJ. Unilateral schizencephaly and contralateral polymicrogyria associated with umbilical cord mass. *J Child Neurol* 2003, 18:232-234.
36. **Hahn JS**, Lewis AJ, Barnes PD. Hydranencephaly owing to twin-twin transfusion: serial fetal ultrasonography and magnetic resonance imaging findings. *J Child Neurol* 2003, 18:367-370.
37. **Hahn JS**, Delgado MR, Clegg NJ, Sparagana SP, Gerace KL, Barkovich AJ, Olson DM. Electroencephalography in holoprosencephaly: findings in children without epilepsy. *Clin Neurophysiol* 2003, 114:1908-1917.
38. Stashinko EE, Clegg NJ, Kammann H, Sweet VT, Delgado MR, **Hahn JS**, Levey EB. A retrospective survey of perinatal risk factors of 104 living children with holoprosencephaly. *Am J Med Genet* 2004, 128A:114-119.
39. **Hahn JS**, Lannin WC, Sarwal MM. Microangiopathy of brain, retina, and inner ear (Susac Syndrome) in an adolescent female presenting as acute disseminated encephalomyelitis. *Pediatrics* 2004, 114:276-281.
40. Chen KC, Cherry AM, **Hahn JS**, Enns GM. Mild developmental delay in terminal chromosome 6p deletion. *Am J Med Genet* 2004, 129A:201-205.
41. Hsu D, Sandborg C, **Hahn JS**. Frontal lobe seizures and uveitis associated with acute parvovirus infection. *J Child Neurol* 2004, 19:304-306.
42. **Hahn JS**, Plawner LL, Evaluation and management of a child with holoprosencephaly. *Pediatric Neurology* 2004, 31:79-88.

43. **Hahn JS**, Hahn SM, Kammann H, Barkovich AJ, Clegg NJ, Delgado MR, Levey E. Endocrine disorders associated with holoprosencephaly. *J Pediatric Endocrinol Metab*, 2005, 18:935-941.
44. **Hahn JS**, Barkovich AJ, Stashinko EE, Kinsman SL, Delgado MR, Clegg NJ. Factor analysis of neuroanatomical and clinical characteristics of holoprosencephaly. *Brain & Development*, 2006, 28:413-419.
45. Roesler CP, Paterson S, Flax J, **Hahn JS**, Kovar C, Stashinko EE, Jing H, Benasich AA. Links between abnormal brain structure and cognition in holoprosencephaly. *Pediatric Neurology*, 2006, 35:387-394.
46. El-Jaick KB, Powers SE, Bartholin L, Myers KR, **Hahn J**, Orioli EM, Ouspenskaia M, Lachawan F, Roessler E, Wotton D, Muenke M. Functional analysis of mutations in TGIF associated with holoprosencephaly. *Molecular Genetics and Metabolism*, 2007, 90:97-111.
47. **Hahn JS**, Pohl D, Rensel M, Rao S. Differential Diagnosis and Evaluation in Childhood Multiple Sclerosis. *Neurology*, 2007, 68: S13-S22.
48. Tenenbaum S, Chitnis T, Ness J, **Hahn JS**. Acute Disseminated Encephalomyelitis (ADEM). *Neurology*, 2007, 68: S23-S36.
49. Lachawan F, Solomon BD, Roessler E, El-Jaick K, Domené S, Vélez JI, Zhou N, Hadley D, Balog JZ, Long R, Fryer A, Smith W, Omar S, McLean SD, Clarkson K, Lichty A, Clegg NJ, Delgado MR, Levey E, Stashinko E, Potocki L, Vanallen MI, Clayton-Smith J, Donnai D, Bianchi DW, Juliusson PB, Njølstad PR, Brunner HG, Carey JC, Hehr U, Müsebeck J, Wieacker PF, Postra A, Hennekam RC, van den Boogaard MJ, van Haeringen A, Paulussen A, Herbergs J, Schrandt-Stumpel CT, Janecke AR, Chitayat D, **Hahn J**, McDonald-McGinn DM, Zackai EH, Dobyns WB, Muenke M. Clinical spectrum of SIX3-associated mutations in holoprosencephaly: correlation between genotype, phenotype and function. *J Med Genet*. 2009 46(6):389-98.
50. **Hahn JS**, Barnes PD. Neuroimaging Advances in Holoprosencephaly: Refining the Spectrum of the Midline Malformation. *American Journal of Medical Genetics*, 2010; 154C:120-32.
51. **Hahn JS**, Clegg NJ, Stashinko E, Barnes PD. Septo-Preoptic Holoprosencephaly: A mild subtype associated with midline craniofacial malformation. *AJNR*, 2010; 31:1596-601.
52. Longhurst CA, Parast L, Sandborg CI, Widen E, Sullivan J, **Hahn JS**, Dawes CG, Sharek PJ. Decrease in hospital-wide mortality rate after implementation of a commercially sold computerized physician order entry system. *Pediatrics*, 2010; 126: 14-21.
53. Solomon BD, Lachawan F, Mercier S, Clegg NJ, Delgado MR, Rosenbaum K, Dubourg C, David V, Olney AH, Wehner LE, Hehr U, Bale S, Paulussen A, Smeets HJ, Hardisty E, Tylki-Szymanska A, Pronicka E, Clemens M, McPherson E, Hennekam RC, **Hahn J**, Stashinko E, Levey E, Wiczorek D, Roeder E, Schell-Apacik CC, Booth CW, Thomas RL, Kenwrick S, Cummings DA, Bous SM, Keaton A, Balog JZ, Hadley D, Zhou N, Long R, Vélez JI, Pineda-Alvarez DE, Odent S, Roessler E, Muenke M. Mutations in ZIC2 in human holoprosencephaly: description of a Novel ZIC2 specific phenotype and comprehensive analysis of 157 individuals. *J Med Genet*. 2010; 47: 513-24.
54. **Hahn JS**, Bernstein JA, McKenzie RB, King BJ, Longhurst CA. Rapid Implementation of Inpatient Electronic Physician Documentation at an Academic Hospital, *Applied Clinical Informatics*. 2012;3(2):175-185 ([e-published](#)).
55. **Hahn JS**, MacLean J, Yeom K. Agenesis of Corpus Callosum and Associated Malformations: From Aicardi to Zellweger Syndromes. *NeoReviews*. (in press).
56. **Hahn JS**, Hanauer A. Stimulus-Induced Drop Episodes in Coffin-Lowry Syndrome. *Eur J Med Genet*. 2012 (in revision).

57. Delgado MR, Sparagana SP, Clegg NJ, **Hahn JS**, Phelps. Epilepsy in holoprosencephaly. (in preparation).

INVITED OR NON-REFEREED ARTICLES

- Hahn JS**. Controversies in treatment of neonatal seizures. *Pediatric Neurology*, 1993, 9:330-331.
- Hahn JS**. New antiepileptic drugs for the treatment of childhood epilepsies. *Western J Medicine* 1995, 162:353-4.
- Kinsman SL, Plawner LL, **Hahn JS**. Holoprosencephaly: Recent Advances and New Insights. *Current Opinions in Neurology*, 2000, 13:127-132.
- Clegg, NJ, Gerace KL, Sparagana SP, **Hahn JS**, Delgado, MR. Holoprosencephaly: a review. *American Journal of Electroneurodiagnostic Technology*. 2002, 42:59-72.
- Hahn JS**, Pinter JD, Holoprosencephaly: genetic, neuroradiological and clinical advances. *Seminars in Pediatric Neurology*. 2002, 9:309-319.
- Hahn, JS**, Sanger T, Neonatal movement disorders. *NeoReviews*, 2004, 5: 321-326.
- Hahn, JS**, Olson DO, Etiology of neonatal seizures. *NeoReviews*, 2004, 5:327-335.
- Hahn, JS**, Olson DO, Primer on neonatal electroencephalogram for the neonatologist. *NeoReviews*, 2004, 5:336-349.
- Longhurst C, **Hahn JS**. Clinical Decision-Support Systems in Pediatrics. *SCOCIT News*, 2005, 3:10.

BOOK CHAPTERS:

1. **Hahn JS**, Tharp BR. Neonatal and pediatric electroencephalography. In: Aminoff MJ (Ed.), *Electrodiagnosis in Clinical Neurology*. Third Edition. Churchill Livingstone, New York, 1992, 93-141.
2. **Hahn JS**. The nervous system and neuromuscular disorders. In: Behrman RE (Eds) *Nelson Textbook of Pediatrics Pocket Companion*, Saunders, Philadelphia, 1993, 394-434.
3. **Hahn JS**. Neurology. In: Prober CG, Behrman RE, Cisco JE (Eds). *Nelson Self-Assessment in Pediatrics*. Saunders, Philadelphia 1993, 8-12.
4. **Hahn JS**, Novotny EJ Jr., Hypoxic-ischemic encephalopathy. In: Stevenson DK and Sunshine P (Eds) *Fetal and Neonatal Brain Injury: Mechanisms, Management, and the Risk of Practice*. 2nd Ed. Oxford University Press 1997, 277-286.
5. **Hahn JS**. Correlation of clinical findings and timing of asphyxial events. In: Stevenson DK and Sunshine P (Eds) *Fetal and Neonatal Brain Injury: Mechanisms, Management, and the Risk of Practice*. 2nd Ed. Oxford University Press 1997, 356-373.
6. **Hahn JS**, Tharp BR. Neonatal and pediatric electroencephalography. In: Aminoff MJ (Ed.), *Electrodiagnosis in Clinical Neurology*. Fourth Edition. Churchill Livingstone, New York 1999, 81-127.
7. **Hahn JS**, Clinical manifestations of hypoxic-ischemic encephalopathy. In: Stevenson DK, Sunshine P, and Benitz W (Eds) *Fetal and Neonatal Brain Injury: Mechanisms, Management, and the Risk of Practice*. 3rd Ed. Cambridge University Press, Cambridge, UK, 2003, 411-424.
8. Olson DM, **Hahn JS**, The use of the EEG in assessing acute and chronic brain damage in the newborn. In: Stevenson DK, Sunshine P, and Benitz W (Eds) *Fetal and Neonatal Brain Injury: Mechanisms,*

Management, and the Risk of Practice. 3rd Ed. Cambridge University Press, Cambridge, UK, 2003, 425-445.

9. **Hahn JS**, Tharp BR. Neonatal and pediatric electroencephalography. In: Aminoff MJ (Ed.), *Electrodiagnosis in Clinical Neurology*. Fifth Edition. Elsevier Churchill Livingstone, Philadelphia, 2005, 85-129.
10. **Hahn JS**. Holoprosencephaly. *Handbook of Neurology*. Elsevier. 2007, 87:13-37.
11. **Hahn JS**. Neonatal Seizures. In: Stanford Hospital & Clinics and Lucile Packard Children's Hospital NICU Guide. Various Editions, 2007, 2009.
12. **Hahn JS**, Tanenbaum S. Clinical and biological features of Acute Disseminated Encephalomyelitis. In: Chabas D, Waubant E (Ed.), *Demyelinating Disorders of the Central Nervous System in Childhood* (in press). Editors Dorothée Chabas and Emmanuelle Waubant
13. **Hahn JS**, Neonatal and pediatric electroencephalography. In: Aminoff MJ (Ed.), *Electrodiagnosis in Clinical Neurology*. Sixth Edition. Elsevier Churchill Livingstone, Philadelphia, 2011 (In press)
14. Sherr EH, **Hahn JS**. Disorders of Prosencephalic Development. In: Ashwal S (Ed.), *Pediatric Neurology: Principles & Practice*, Fifth Edition, 2012.

THESIS:

M.D. Thesis: Effects of Disulfide Reduction on Ligand Binding Properties of Acetylcholine Receptors from *Torpedo*. Harvard-M.I.T. Health Sciences and Technology Program.

WEB PUBLICATIONS AND TECHNICAL REPORTS:

World Wide Web. Director of the home page for Ketogenic Diet Program at Packard Children's Hospital at Stanford. URL: <http://www.stanford.edu/group/ketodiet/>

World Wide Web. Director of the home page for Department of Neurology and Neurologic Sciences, at Stanford University. URL: <http://www.stanford.edu/group/neurology/>

World Wide Web. Director of international website for Carter Centers for Brain Research in Holoprosencephaly and Related Malformations. URL: <http://www.stanford.edu/group/hpe/>

Consultant for the *Brainstorm: An Interactive Neuroanatomy Atlas* Version 3.0. Medtech. 1999.

Stanford Knowledge on Line (SKOLAR) video media server project for neurologic disorders. A compendium of video clips of neurologic signs and disorders. 2000-2001. URL: <http://www.skolar.com> & <http://md.skolar.com> **Dr. Hahn** developed content about adult and pediatric neurological disorders.

World Wide Web. On-line International Code of Diagnosis (ICD-9) database. URL: <http://neuro3.stanford.edu/> **Dr. Hahn** designed the interface and software to enable users to search for this information on the web.

Hahn, JS, Sankar DP. Acute Disseminated Encephalomyelitis in Children. 2002.
http://www.stanford.edu/~jhahn/pubs/ADEM_Children_Stanford_1992-2000-Hahn.pdf.

Hahn JS, Han A, Delgado MR, Clegg NJ. Electroencephalographic coherence in semilobar holoprosencephaly. 2005. (http://www.stanford.edu/~jhahn/pubs/HPE_EEG_Coherence_2005-Hahn.pdf)

CONFERENCE PROCEEDINGS:

Phillips SA, Tharp BR, Mathers LH, Miller III JJ, **Hahn J**. Aspirin treatment of systemic lupus erythematosus arthritis complicated by Reye's Syndrome. Child Neurology Society (Eighteenth National Meeting), Conference Proceedings. 1989, Abstract Number 291.

VIDEOTAPE:

Educational Videotape from "Seizure control through diet — An overview of the ketogenic diet, A symposium for parents", Packard Children's Hospital. March 1995. Produced by **Hahn JS** with assistance of Stanford Instructional Television Network (SITN).

MULTICENTER DRUG TRIALS:

Motte J; Trevathan E; Arvidsson JF; Barrera MN; Mullens EL; Manasco P and the Lamictal Lennox-Gastaut Study Group. Lamotrigine for generalized seizures associated with the Lennox-Gastaut syndrome. *New England Journal of Medicine*, 1997 Dec 18, 337(25):1807-12. **Hahn J** is listed as a member of the Study Group in appendix.

Duchowny M; Pellock JM; Graf WD; Billard C; Gilman J; Casale E; Womble G; Risner M; Manasco P and the Lamictal Pediatric Partial Seizure Study Group. A placebo-controlled trial of lamotrigine add-on therapy for partial seizures in children. *Neurology*, 1999 Nov 10, 53(8):1724-31. **Hahn J** is listed as a member of the Study Group in appendix.

REFEREED ABSTRACTS:

Mirmiran M, Wooley K, Hedehus M, Baldwin R, de Crispigny A, D'Arceuil H, Constantinou J, Fleisher B, **Hahn J**, Atlas S, Ariagno R. Diffusion tensor brain MRI in very low birth weight preterm infants. Proceedings of Annual SPR meetings. *Pediatric Research* April 2000.

Hahn JS, Mirmiran M, Wooley K, Hedehus M, Baldwin RB, de Crispigny A, D'Arceuil H, Constantinou JC, Fleisher BE, Atlas SW, Ariagno RL. Sylvian fissure development in preterm infants. Child Neurology Society Meeting, *Annals of Neurology*, October 2000.

Nelson GB, Olson DM, **Hahn JS**. Short duration of benign partial epilepsy in infancy. Child Neurology Society Meeting, *Annals of Neurology*, 2000, 48:524.

Plawner LL, **Hahn JS**, Kinsman SL, Clegg NJ, Delgado MR, Simon EM, Barkovich AJ. Elucidating the clinical spectrum of holoprosencephaly through a clinical-neuroradiologic analysis. Child Neurology Society Meeting (Platform Session), *Annals of Neurology*, 2000, 48:518.

Nelson GB, **Hahn JS**. Stimulus-induced drop attacks in Coffin-Lowry syndrome. Child Neurology Society Meeting. *Annals of Neurology*, 2000, 50(3):S113.

Joshi SM, Olson DM, **Hahn JS**, Huhn SL, Barnes PD, Hattab EM, Fisher PG. Dysembryoplastic Neuroepithelial Tumor: A surgically correctable cause of symptomatic localization-related epilepsy. Child Neurology Society Meeting. *Annals of Neurology*, 2000, 50(3):S107.

Lewis AJ, Plawner LL, Simon EM, Barkovich AJ, Clegg NJ, Delgado MR, Levey E, Sweet VT, **Hahn JS**. Middle interhemispheric variant of holoprosencephaly: Clinical manifestations. Child Neurology Society Meeting. *Annals of Neurology*, 2001, 50(3):S114

Kovar CG, Plawner L, Sweet V, Lewis A, and Hahn J. Cognitive profiles of children with holoprosencephaly. *Archives of Clinical Neuropsychology* 2001;16(8):781.

Hahn JS, Plawner L, Delgado M, Miller V, Levey E, Kinsman S, Barkovich AJ, Simon E, Clegg N, Sweet V, Stashinko E. Clinical spectrum of holoprosencephaly: a clinical-neuroradiologic analysis. Joint Congress of ICNA and AOCNA 2002, Beijing, China. *Brain & Development* 2002,24:403 (accepted for platform presentation, September 2002)

Hahn JS, Plawner LL, Delgado MR, Kinsman SL, Barkovich AJ, Simon EM, Clegg NJ. A Factor Analysis of Clinical and Neuroradiologic Characteristics of Holoprosencephaly. Child Neurology Society Meeting October 2002. *Annals of Neurology*, 2002, 52:S151.

Plawner LL, Delgado MR, Miller VS, Levey EB, Barkovich AJ, Simon EM, **Hahn JS**, Spectrum of Head Size and Cerebrospinal Fluid Shunting in Holoprosencephaly. Child Neurology Society Meeting October 2002. *Annals of Neurology*, 2002, 52:S158.

Slavotinek A, Simon EM, Barkovich AJ, Milburn C, Sweet V, **Hahn JS**, Clegg NJ, Delgado MA, Stashinko E, Kinsman SL, Levey E, Odent S, Veronique D, Blayau M, Dubourg C, Hall BD, Reynolds JF, Sommer A, Wieczorek D, Roeder ER, Schell-Apacik C, Orioli IM, Hennekam RCM, Brown LY, Brown SA. Holoprosencephaly due to ZIC2 mutations: clinical, neuroradiological and molecular studies. David W. Smith Workshop for Malformations and Morphogenesis, Clemson, South Carolina, August 2002; and American Society of Human Genetics, Baltimore, October 2002.

Banwell B, Tellier R, Krupp L, Bar-Or A, Kennedy J, Tenenbaum S, Belman A, Ness J, **Hahn J**, Waubant E, Mah J, Stoian C, Rensel M, Farrell K, Freedman M, Bhan V, Dilenge M, Ruggieri M, Iivanainen M, Weinstock-Guttman B, Boiko A. Viral exposures in pediatric multiple sclerosis: Preliminary data from a multinational collaborative study. Accepted for poster presentation at the 20th Congress of the European Committee for Treatment and Research in Multiple Sclerosis. October 2004.

Rosler C, Flax J, Benasich A, Stashinko E, **Hahn J**, Paterson S. Cognitive Profiles of Children with Holoprosencephaly. Presentation at the American Speech Language Hearing Association Annual Convention. Philadelphia, November 2004.

Mauricio R. Delgado, MD, FRCPC, Nancy Clegg, RN, CNS, PhD, Steven P Sparagana, MD, Jin S. **Hahn**, MD, Elaine E. Stanshinko, RN, PhD, Kandy Gerace, R EEG T, Mary Beth Phelps . Epilepsy in Holoprosencephaly. Poster for October 2005 CNS meeting.

Sterling K. **Hahn, J**, Jimison J, Kinsman S. Sylvian Fissure Angle in Holoprosencephaly as a Predictor of Clinical Outcomes. Poster for 2007 American Academy of Neurology meeting.

Hahn J, Clegg N, Delgado M, Stashinko E, Barnes P. 2008. Holoprosencephaly: an often Misdiagnosed Disorder. Poster for 2008 CNS meeting. *Ann Neurol* 64:S97.

Delgado MR, NJ, **Hahn JS**, Stashinko EE, Sparagana SP, Gerace KL, Reid DL, Baldwin. Epilepsy In Holoprosencephaly: A Ten-Year Study. Child Neurology Society Annual Meeting, October 2009 Meeting, Louisville, KY.

Hahn JS, Clegg NJ, Stashinko E, Barnes PD. Septo-Preoptic Holoprosencephaly: A mild subtype associated with midline craniofacial malformation. Poster Presentation at the International Child Neurology Congress, Cairo, Egypt, May 2010.

Hahn JS, Hintz SR, Hudgins L, Barth R, Rubesova E, Yeom K, Barnes PD. Prenatal diagnosis of callosal agenesis with interhemispheric cyst and Aicardi Syndrome. Poster Presentation at the International Child Neurology Congress, Cairo, Egypt, May 2010.

INVITED PRESENTATIONS:

- "Prognosis of EEG in neonates and infants" Continuing Education Program, Western Clinical Neurophysiology Society Meeting, February 28, 1998.
- "Middle interhemispheric variant of holoprosencephaly (Syntelencephaly): Clinical manifestations" Presentation at the 2001 Annual Carter Center Meeting, Dallas, 2001.
- "Neonatal seizures and epilepsies" UCSF Epilepsy Series, April 19, 2001.
- "How major medical centers are marching into the online world: experience in partnerships and integration" 2001 eHealthcareWorld Conference, San Diego, California, May 24, 2001.
- "Paroxysmal Movements in Children" 9th Annual Pediatric Update (CME course), Lucile Packard Children's Hospital. July 20, 2001.
- Jin S. Hahn, MD & Steven Leber, MD, PhD "Information technology in child neurology" Symposium at the 30th Annual Child Neurology Society Meeting, Victoria, BC, Canada, October 18, 2001.
- "Diagnosis and Genetic Testing of Muscular Dystrophy" MDA Consumer Conference, Stanford University Medical Center, August 25, 2001.
- 2nd NIH Conference on Holoprosencephaly and Early Embryonic Development, Scientific Session "Clinical Spectrum of Holoprosencephaly: a Clinical-Neuroradiologic Analysis." April 9, 2002.
- 2nd NIH Conference on Holoprosencephaly and Early Embryonic Development, Family Session. "Holoprosencephaly: an update of what we have learned at the Carter Centers." April 9, 2002.
- "Clinical spectrum of holoprosencephaly: Beyond the 'Face predicts the Brain'." Patterning the forebrain in development and disease: the molecular basis of holoprosencephaly. Stanford Brain Research Center Workshop in Translational Medicine, July 30, 2002, Stanford University Medical Center.
- "Clinical spectrum of holoprosencephaly: a clinical-neuroradiologic analysis." Joint Congress of ICNA and AOCNA 2002. Beijing, China. Free paper platform presentation, September 24, 2002.
- "Clinical spectrum of holoprosencephaly" Special lecture, Visiting Professor, Korea University, Seoul Korea. September 27, 2002.
- Jin S. Hahn, M.D. & Michael Segal, M.D., Ph.D. "Electronic Clinical Decision Support," Symposium at the 31st Annual Child Neurology Society Meeting, Washington, DC, October 12, 2002.
- "Holoprosencephaly: Face predicts the brain, Imaging predicts function" Neurology Grand Rounds, University of Southern California. February 11, 2003.
- "Holoprosencephaly: Face predicts the brain, Imaging predicts function and updates on the EEG study". Center for Molecular and Behavioral Neuroscience, Rutgers, The State University of New Jersey June 3, 2003.
- "Clinical, epileptic, genetic and morphologic aspects of holoprosencephaly." First Annual California Pediatric Neurology Colloquim. Cedar-Sinai Medical Center, Los Angeles, CA, November 22, 2003.
- "Neuroimaging and clinical and radiological correlations in HPE" Third NIH Conference on Holoprosencephaly: Midline and laterality development. Bethesda, MD, April 19, 2004.

- “General overview of holoprosencephaly” Third NIH Conference on Holoprosencephaly, Family Session. Bethesda, MD, April 20, 2004.
- “Evaluation and management of children with holoprosencephaly” Third NIH Conference on Holoprosencephaly, Family Session. Bethesda, MD, April 20, 2004.
- “The Cerner Electronic Medical Record System Project at Lucile Packard Children’s Hospital” Clinical Informatics Seminar Series, Stanford, CA, April 2, 2004.
- “Implementing an Electronic Medical Record System at Lucile Packard Children’s Hospital at Stanford” Stanford Medical Informatics Short Course, Stanford, CA, June 16, 2004.
- “Pediatric Neurological Emergencies,” Emergency Medicine Department Lecture Series, July 2005.
- “Prenatal Neurology Consultations & Brain Malformations,” Brain and Behavior Day, Lucile Packard Children’s Hospital Annual Course, July 20, 2006.
- “Prenatal Neurology Consultations & Management of Brain Malformations,” Pediatrics Grand Rounds, Lucile Packard Children’s Hospital, November 3, 2006.
- “Kiddie Computing: Why is Pediatrics Informatics So Different” AMDIS Meeting, Ojai, California, July 2007.
- “Pediatric Movement Disorders” March 2009. Special Lecture, Korea University, Seoul, Korea.
- “Decrease in mortality after implementation of a commercial computerized physician order entry system” Cerner Physician Community Spring Conference, Kansas City, May 2010.
- “Holoprosencephaly: Neuroanatomy and Neuroimaging”, 4th NIH Holoprosencephaly Conference, NHGRI, Bethesda Maryland, July 26, 2010.

CLINICAL RESEARCH CONTRACTS

- Subinvestigator (Principal Site Investigator: Yvonne Maldonado), A multicenter trial of AIDS clinical trial groups, NIH, National Institute of Allergy and Infectious Diseases, ACTG 128 and ACTG 152. 1991-1993.
- Subinvestigator (Principal Site Investigator: Martha Morrell), A multicenter, open-label, long-term evaluation of the safety of felbamate in children with epilepsy. 1991-1992. Wallace Laboratories.
- Subinvestigator (Principal Site Investigator: Martha Morrell), Compassionate use of felbamate in patients with epilepsy. 1991-1993. Wallace Laboratories.
- Principal Site Investigator, Compassionate use of flunarizine for the treatment of alternating hemiplegia of childhood. 1991-1994. Janssen Research Foundation.
- Principal Site Investigator, Compassionate use of nitrazepam for childhood seizures. 1991-1997. Roche Laboratories.
- Principal Site Investigator. An open-label study of the safety of long-term tiagabine HCl administration in patients with epilepsy. 1992-1993. Abbott Laboratories.
- Collaborator, “Thermal mechanisms in SIDS” Ron Ariagno, Principal Investigator. 1991-1993.
- Principal Site Investigator. A multicenter, double-blind, placebo-controlled, parallel-design evaluation of LAMICTAL for add-on treatment of partial seizures in pediatric patients. 1994-1996. Burroughs Wellcome Co.

Principal Site Investigator. Lamotrigine as add-on therapy in patients with a clinical diagnosis of lennox-gastaut syndrome (severe generalised epilepsy of childhood onset). A multicentre double-blind, placebo controlled, parallel group study. 1995-1996. Burroughs Wellcome Co.

Principal Site Investigator. A randomized, double-blind, placebo-controlled study of the safety and efficacy of 25 mg, 50 mg, and 100 mg oral sumatriptan in adolescent migraine subjects. 1995-1996. Glaxo.

Principal Site Investigator. A multicenter, double-blind, placebo-controlled, parallel-group study in pediatric patients with benign childhood epilepsy with centrotemporal spikes (BECTS). 1995-1997. Parke-Davis.

Coinvestigator (Principal Site Investigator: Yvonne Maldonado), A randomized comparative study of combined zidovudine (ZDV) - lamivudine (3TC ®) vs. the better of DDI monotherapy Vs zidovudine plus DDI in symptomatic HIV-1-infected children. AIDS Clinical Trial Group (ACTG) 300. 1995-1998.

Principal Site Investigator. A multicenter, double-blind, placebo-controlled, randomized, parallel-group trial of rufinamide as adjunctive therapy in patients with inadequately controlled primary generalized tonic-clonic seizures. 1996-2001. Novartis.

Principal Site Investigator. A multicenter safety and pharmacokinetic study of lamotrigine in infants. 2000-2003. Glaxo Smith Kline.

Principal Site Investigator, Wadsworth Pediatric Multiple Sclerosis Study, a multicenter study. 2003-2004.

AD HOC JOURNAL REVIEWER FOR

Electroencephalography and Clinical Neurophysiology

Journal of Clinical Neurophysiology

Journal of Neurology

Pediatrics

Journal of Adolescent Health

Southern Medical Journal

Epilepsia

Journal of Neurology

Acta Paediatrica

COMMITTEES

Stanford University Medical Center and Lucile Packard Children's Hospital (LPCH)

Medical Board, Lucile Packard Children's Hospital, 1991- 2008.

Ambulatory Care Committee, Lucile Packard Children's Hospital, 1991-2000.

[Hospital Information Management System Committee, LPCH, 1993-2008.](#)

Conscious Sedation Committee, LPCH, 1993-1996.

Joint Community-Faculty Committee, LPCH, 1995-1996.

Clinic Space Planning Task Force, LPCH, 1997-2000.

Physician Practice Management Committee, LPCH, 1997-1998.

Stanford-LPCH Information Technology Visioning Committee, 2000.

Co-chair, LPCH Information Technology Steering Committee, 2000-2003.

MD-Patient Internet Strategic Planning Group, LPCH, 2001-2002.

SUMC Clinical Information Technology Integration Committee, 2001-2003.

Chair, LPCH Biomedical & Medical Informatics Committee, 2004-2007.

Information Technology Executive Steering Committee, LPCH, 2004-2008.

Information System Security Committee, LPCH, 2004-2008.

Physician Lead, LPCH, Clinical Transformation Project, MD Design Team, 2003-2006

Co-Director, Clinical Transformation Program (implementation of electronic health record including CPOE at LPCH), 2004-2008

Co-chair, Clinical Oversight Group, LPCH, 2006-2008

Stanford University and School of Medicine

Stanford Asian American Medical Faculty Association, 1994- 1997.

Child Health Research Fund Advisory Committee, Stanford University, 1996-1998.

LCME Clinical Sciences Subcommittee, Stanford School of Medicine, 1996.

Council on Diversity, Stanford School of Medicine, 1996-1998.

Stanford SOM, Information Resources and Technology Strategic Planning Task Force, 2003.

Stanford SOM, Center for Clinical Informatics Planning Group, 2004-present

Stanford SOM, Stanford Center for Clinical Informatics (SCCI), member of executive committee, 2004-present.

Stanford SOM, Information Technology Advisory Committee, 2007-present

National or International

International Foundation for Alternating Hemiplegia of Childhood, Medical Advisory Board, 1995-present.

Scientific Committee, Child Neurology Society, 1992-1993.

Examiner for American Board of Psychiatry and Neurology, 1996 - present.

National Chairman of Child Neurology Society Electronic Communication Committee, 1999-present.

Nominated for Counselor from the West, Child Neurology Society, 2002.

Member, National Pediatric Multiple Sclerosis Advisory Council, 2003–present.

Member, Child Neurology Match Program Committee (of the Child Neurology Society and Professors of Child Neurology, 2003–2004.

Counselor, Professors of Child Neurology, 2004-2006.

COMMUNITY WORK

Interfaith Shelter Network, San Diego, 1989-1990.

Pediatric Advisory Committee, Palo Alto Unified School District, 1992-1997.

M.O.V.E. (Mobile Outreach Van, East Palo Alto) for Children, 1993.

AMOR Hope Ministry (building homes for the needy in Mexico), 2000–2004, 2011

Arbor Free Clinic, Menlo Park, 1988, 2000.

Operation Mobilisation, mobile clinics, medical mission trips, in Southern India, 2009, 2010, 2012.