

Steven A. Kane, M.D., Ph.D.

Curriculum Vitae

Prepared March 5, 2013

Birth

December 7, 1958 in Cleveland, Ohio

Undergraduate and graduate school degrees

B.S. physics and chemistry from Miami University in Oxford, Ohio

M.S. physics from Miami University in Oxford, Ohio

M.D. from Washington University in St. Louis, Missouri

Ph.D. in Neural Sciences from Washington University in St. Louis, Missouri

Postdoctoral studies

Internal medicine at Barnes-Jewish Hospital in St. Louis, Missouri

Ophthalmology at Columbia University in New York City

Pediatric ophthalmology at Columbia University in New York City

Neuro-ophthalmology at Columbia University in New York City

Pediatric glaucoma in Boston, Massachusetts

Certifications

New York State medical license

American Board of Ophthalmology

Examiner, Early Treatment of Retinopathy of Prematurity study

Academic appointments

Associate Clinical Professor of Ophthalmology, Columbia University

Guest Investigator, Rockefeller University in New York

Hospital appointments

Attending Physician, New York Presbyterian Hospital

Adjunct Surgeon, New York Eye and Ear Infirmary

Select topics of invited presentations

The cerebellum and the coordination of movement

Studies of the brain using positron emission tomography

Diagnosis and treatment of third nerve palsy

Cortical blindness: clinical syndromes and physiology

The pediatric glaucomas

The pediatric cataracts

Differential effects of goniotomy for the pediatric glaucomas

New approaches to management of glaucoma in children with corneal disease

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Mitochondrial optic neuropathies
Surgical treatment of the pediatric glaucomas

Select publications

Valentino, K.L., Jones, E.G., and Kane, S.A. Expression of GFAP immunoreactivity during development of long fiber tracts in the rat CNS. *Developmental Brain Research* 1983 9:317-336.

Thach, W.T., Schieber, M.H., Mink, J.M., Kane, S.A., and Horne, M.K. Cerebellar relation to muscle spindles in hand tracking. *Prog. Brain Research* 1986 64:217-224.

Kane, S.A., Mink, J.W. and Thach, W.T. Selective adaptation of stretch reflexes and its behavioral effect in monkey and man. In: *Neuronal Control of Limb Movements*. International Union Physiol. Sci. Congress Seattle WA 1986.

Kane, S.A. and Thach, W.T. Palatal myoclonus and function of the inferior olive: are they related? Ed. P. Strata. *The Olivocerebellar System in Motor Control*, Springer Verlag, Berlin. 1989 427-460.

Thach, W.T., Kane, S.A., Mink, J.W., and Goodkin, H.P. Cerebellar nuclear signs: motor modalities, somatotopy, and incoordination. In: *Motor Control: Annual Course*. American Academy of Neurology 1990 248:109-135.

Thach, W.T., Kane, S.A., Mink, J.W., and Goodkin, H.P. Cerebellar output: multiple maps and motor modes in movement coordination. Eds. Llinas, R. and Sotelo, C. In: *The Cerebellum Revisited*, Springer-Verlag 1992 New York 283-300.

Thach, W.T., Perry, J.G., Kane, S.A., Goodkin, H.P. Cerebellar nuclei: rapid alternating movement, motor somatotopy, and a mechanism for the control of muscle synergy. *Revue Neurologique* 1993 149(11): 607-620.

Dolphin, K.W., Rubin, P.A., Moazami, G. and Kane, S. Orbital reconstruction after traumatic optic neuropathy. *J. Cranio-Maxillofacial Trauma* 1995 1(3):16-21.

Fay, A.M., Kane, S.A., Kazim, M., Millar, W.S., and Odel J.G. Magnetic resonance imaging of optic perineuritis. *J. Neuroophthalmol.* 1997 17(4):247-9.

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Kind T, Levy J, Lee M, Kaicker S, Nicholson J.F., and Kane S.A. Cobalamin C disease presenting as hemolytic-uremic syndrome in the neonatal period. *J. Pediatr. Hematol. Oncol.* 2002 24(4): 327-9.

Kauffman Jokl, D.H., Silverman, R.H., Nemerovsky, S.L. Kane, S.A., Lopez, R., Chiang, M.F., Uoyd, H.O., Barbazetto, I., Horowitz, R. Vidne, O. Ultrasound evaluation of retinopathy of prematurity. *J. Pediatr. Ophthalmol. Strabismus* 2004 Nov-Dec; 41 (6): 345-50.

Kauffman Jokl, D.H., Silverman, R.H., Nemerofiky, S.L., Kane, S.A., Chiang, M.F., Lopez, R., Lee, G. Is there a role for high-frequency ultrasonography in clinical staging of retinopathy of prematurity? *J. Pediatr. Ophthalmol. Strabismus* 2006 43:31-35.

Chiang, M.F., Wang, L., Busuloc, M., Du, Y.E., Chan, P., Kane, S.A., Lee, T.C., Weissgold, D.J., Berrocal, A.M., Coki, O., Flynn, J.T., Starren, J. Telemedical retinopathy of prematurity diagnosis: accuracy, reliability, and image quality. *Arch. Ophthalmol.* 2007 125(11): 1562-3.

Lajoie, A., Koreen, S., Wang, L., Kane, S.A., Lee, T.C., Weissgold, D.J., Berrocal, A.M., Du, Y.E., Coki, O., Flynn, J.T., Starren, J., Chiang, M.F. Retinopathy of prematurity management using single-image vs multiple-image telemedicine examinations. *Am. J. Ophthalmol.* 2008 146(2):298-309.

Scott, K.E., Kim, D.Y., Wang, L., Kane, S.A., Coki, O., Sarren, J., Flynn, J.T., Chiang, M.F. Telemedical diagnosis of retinopathy of prematurity: intraphysician agreement between ophthalmoscopic examination and image-based interpretation. *Ophthalmology* 2008 115 (7):1222-1228.

Williams, S.L., Wang, L., Kane, S.A., Lee, T.C., Weissgold, D.J., Berrocal, A.M., Rabinowitz, D., Starren, J., Flynn, J.T., Chiang, M.F. Telemedical diagnosis of retinopathy of prematurity: accuracy of expert versus non-expert graders. *Br. J. Ophthalmol.* 2010 94 (3):351-6.

Walton, D.S., Nagao, K., Yeung, H.H., Kane, S.A. Late-recognized primary congenital glaucoma. *J. Ped. Ophthal. Strab.* 2013 (in press).