Yin Allison Liu, M.D., Ph.D.

Philosophy of Care

Dr. Liu strives to develop a collaborative relationship with her patients and their families.
Dr. Liu believes that information sharing is essential for a joint informed decision, through which a successful treatment plan is developed and implemented.
For each patient, Dr. Liu is devoted to understand the most important component of life that is affected by the neuro-ophthalmic conditions and to find a cure by the best and latest treatment options, or ways to restore quality-of-life.

Clinical Interests

Dr. Liu is a neuro-ophthalmologist offering care to adults and children with neurological conditions that affect vision.

Research/Academic Interests

Dr. Liu's research focuses on using the eye as a window to the brain. By applying novel ophthalmic imaging technologies, Dr. Liu strives to establish biomarkers for disease activity monitoring and visual outcome prediction in several neuro-ophthalmic conditions, such as giant cell arteritis, brain tumors, and skull base conditions.

Title

Assistant Professor, Department of Ophthalmology & Vision Science
Assistant Professor, Department of Neurology
Associate Professor, Department of Neurosurgery

Specialty

Neuro-Ophthalmology, Cancer

Department

Ophthalmology & Vision Science
Neurology
Neurological Surgery

Division

Neuro-Ophthalmology, Strabismus and Pediatric Ophthalmology
Neurological Surgery

Clinic

UC Davis Medical Group, Sacramento - Midtown

Center/Program Affiliation

Eye Center
UC Davis Comprehensive Cancer Center
UC Davis Children's Hospital

Address/Phone

Lawrence J. Ellison Ambulatory Care Center, Ophthalmology Clinic-Eye Center, 4860 Y St. Suite 2400 Sacramento, CA 95817
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Additional Phone Physician Referrals: 800-4-UCDAVIS (800-482-3284)

Languages Chinese (Mandarin)

Education M.D., Shanghai Jiaotong University, Shanghai, China 2012
Ph.D., UCLA, Los Angeles CA 2012

Internships Pediatrics, Loma Linda University, Loma Linda CA 2013-2015

Residency Neuology and Child Neurology, Loma Linda University, Loma Linda CA 2015-2018

Fellowships Neuro-Ophthalmology, Stanford University, Stanford CA 2018-2019

Board Certifications American Board of Pediatrics
American Board of Psychiatry and Neurology

Professional Memberships American Academy of Neurology
American Academy of Ophthalmology
North American Neuro-Ophthalmology Society (NANOS)
North American Skull Base Society
Southwest Oncology Group

Honors and Awards Paul Calabresi K12 Career Development Award, National Cancer Institute, 2021
Resident scholarship, the 70th Annual Meeting of the American Academy of Neurology (AAN), Los Angeles CA, 2018
Scholarship of International Society of Pediatric Oncology (SIOP), Auckland, New Zealand, 2011

Select Recent Publications Virk H, Shahlaie K, Ramani B, Perry A, Fragoso R, Tuscano J, Liu Y. A woman with blurred vision and eye pain. J Neuro-Ophthalmology. Accepted.

Fague L, Liu YA, Marsh-Armstrong N. The basic science of optic nerve regeneration. Ann Transl Med. 2021 Aug;9(15):1276. doi:10.21037/atm-20-5351. PMID:34532413.

Liu Y, Ko M, Moss HE. Telemedicine for neuro-ophthalmology. Curr Opin Neurol. 2021 Feb 1;34 (1):61-66. doi:10.1097/WCO.0000000000000880.

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Liu Y, Pelak VS, van Stavern G, Moss HE. Higher Cortical Dysfunction Presenting as Visual Symptoms in Neurodegenerative Diseases. Front Neurol. 2020 Jul 31;11:679. doi:10.3389/fneur.2020.00679. PMID:32903759.

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Liu Y, Abongwa C, Ashwal S, Deming DD, Winter TW. Referral for Ophthalmology Evaluation and Visual Sequelae in Children With Primary Brain Tumors. JAMA Netw Open. 2019 Aug 2;2(8):e198273. doi:10.1001/jamanetworkopen.2019.8273. PMID:31373649.

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Sheard MA, Asgharzadeh S, Liu Y, Lin TY, Wu HW, Ji L, Groshen S, Lee DA, Seeger RC. Membrane-bound TRAIL supplements natural killer cell cytotoxicity against neuroblastoma cells. J Immunother. 2013 Jun;36(5):319-29. doi:10.1097/CJI.0b013e31829b4493. PMID:23719242.

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