



Heather E. Moss, MD, PhD

Professor of Ophthalmology and of Neurology and Neurological Sciences

CLINICAL OFFICE (PRIMARY)

- **Stanford Byers Eye Institute**

2452 Watson Ct

Palo Alto, CA 94303

Tel (650) 723-6995

Fax (650) 725-6619

ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Sue Yang - Administrative Associate

Email syang614@stanford.edu

Tel (650) 498-1148

Bio

BIO

Dr. Heather Moss is Professor in the Stanford Departments of Ophthalmology and Neurology & Neurological Sciences. She is also Associate Dean in the Stanford School of Medicine Office of Academic Affairs, Vice Chair of Clinical Research and Director of the Neuro-ophthalmology Fellowship in the Stanford Department of Ophthalmology. She directs an innovative clinical-research program in biomarker discovery at the Spencer Center for Vision Research at Stanford and provides expert neuro-ophthalmic clinical care at the Byers Eye Institute at Stanford.

Dr. Moss pursued undergraduate studies in biomedical engineering at the University of Guelph, followed by doctoral studies in medical engineering at Harvard and MIT, seeking to improve human health through application of engineering principles. Working with patients inspired her to become a physician; after earning her medical degree at Harvard, she completed residency training in Neurology and fellowship training in Neuro-ophthalmology at the University of Pennsylvania. She spent six years on the faculty of the University of Illinois at Chicago, serving as the Director of Neuro-ophthalmology and starting a neuro-ophthalmology fellowship training program, before joining the Stanford faculty in 2016.

Her clinical expertise includes diagnosis and treatment of optic nerve diseases, eye movement disorders, and neurological pathology affecting visual pathways. She is a national leader in application of telemedicine to improve access to neuro-ophthalmic care. Her research lab is developing novel diagnostic approaches to neurological and neuro-ophthalmic diseases through application of innovative electrophysiology, imaging, and mathematical modeling. She has published over 100 articles in peer-reviewed journals, has authored numerous book chapters, and serves on the editorial board of four journals. She is a fellow of the American Academy of Neurology (AAN) and the North American Neuro-Ophthalmology Society (NANOS) and has been elected to leadership roles in both organizations.

Outside of work Dr. Moss enjoys spending time with her two children, exploring northern California, and renovating her 100-year-old house.

CLINICAL FOCUS

- Neuro-ophthalmology
- Papilledema, pseudotumor cerebrii, idiopathic intracranial hypertension

- optic neuritis

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Ophthalmology
- Professor - University Medical Line, Neurology and Neurological Sciences
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Associate Dean, Stanford School of Medicine Office of Academic Affairs, (2025- present)
- Vice Chair (Clinical research), Department of Ophthalmology, (2023- present)
- Director, Neuro-ophthalmology Fellowship, Stanford School of Medicine, (2021- present)
- Director, Clinical Research, Stanford Department of Ophthalmology, (2020-2023)
- Director, Neuro-ophthalmology Fellowship, University of Illinois at Chicago Department of Ophthalmology, (2011-2016)
- Director, Neuro-ophthalmology Section, University of Illinois at Chicago Department of Ophthalmology, (2011-2016)

HONORS AND AWARDS

- Achievement Award, American Academy of Ophthalmology (2021)
- Faculty Teaching Award (resident selected), Stanford Department of Ophthalmology (2020)
- Sybil Harrington Special Scholar Award, Research to Prevent Blindness (2015)
- Young Investigator of the Year, North American Neuro-ophthalmology Society (2015)
- Teacher of the year, Chicago Curriculum in Ophthalmology (2012, 2014)
- Zeritsky prize for research by a resident, University of Pennsylvania (2009)
- Biomedical engineering pre-doctoral fellowship, Whitaker Foundation (1998-2003)
- Science and Technology Award, Canadian Federation of University Women (1998)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- President Elect, North American Neuro-ophthalmology Society (2024 - present)
- Editorial Board Member, Investigative Ophthalmology and Visual Sciences (2023 - present)
- Secretary (officer), North American Neuro-ophthalmology Society (2022 - 2024)
- Chair, New Knowledge in Neuro-ophthalmology Committee, North American Neuro-ophthalmology Society (2020 - present)
- Chair, Outcomes Committee, North American Neuro-ophthalmology Society (2020 - present)
- Member, EyeNet Editorial Board, American Academy of Ophthalmology (2020 - present)
- Member, Quality Council, Stanford Department of Ophthalmology (2020 - present)
- Chair, Practice Support Committee, North American Neuro-ophthalmology Society (2020 - 2022)
- Member, Health Information Management Committee, Stanford Health Care (2020 - 2022)
- Associate Editor, Neuro-ophthalmology, Medlink Inc. (2019 - present)
- Associate Editor, Neuro-ophthalmology, Frontiers in Neurology (2018 - present)
- Member, Basic and Clinical Science Curriculum Section 5 Committee, American Academy of Ophthalmology (2018 - present)
- Section Director, Clinical Research, Journal of Neuro-ophthalmology (2018 - present)
- Member at large, Board of Directors, North American Neuro-Ophthalmology Society (2017 - 2022)

- Fellow, American Academy of Neurology (2016 - present)
- Fellow, North American Neuro-ophthalmology Society (2016 - present)
- Review Editor, Current Eye Research (2016 - 2022)
- (Vice) Chair, Neuro-ophthalmology Neuro-otology Section, American Academy of Neurology (2016 - 2020)
- Chair, Abstract Committee, North American Neuro-ophthalmology Society (2016 - 2020)
- President, Upper Midwest Neuro-ophthalmology Group (2015 - 2016)
- Assistant Editor, Neuro-ophthalmology (2013 - 2019)

PROFESSIONAL EDUCATION

- Fellowship: University of Pennsylvania (2010) PA
- Residency: University of Pennsylvania (2009) PA
- Participant, Stanford Medicine Dean's Fellows Program , Leadership (2025)
- Certificate, Stanford Medicine Leadership Academy , Leadership (2021)
- Certificate, Realizing Improvement through Team Empowerment (RITE), Stanford Medicine , Quality Improvement (2020)
- Certificate, Stanford Medicine Leadership Development Program , Leadership (2020)
- Graduate Certificate, University of Illinois School of Public Health , Clinical and Translational Research (2014)
- fellowship, University of Illinois at Chicago , Medical Education (2011)
- fellowship, University of Pennsylvania , Neuro-ophthalmology (2010)
- board certification, American Board of Psychiatry and Neurology , Adult Neurology (2010)
- residency, University of Pennsylvania , Neurology (2009)
- Internship: Massachusetts General Hospital Internal Medicine Residency (2006) MA
- MD, Harvard Medical School (2005)
- PhD (joint program), Harvard-MIT Division of Health Sciences and Technology , Medical Engineering & Medical Physics (2003)
- PhD, Harvard University , Engineering Sciences (2003)
- B.Sc. (eng), University of Guelph (Canada) , Biological Engineering (1997)

LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>
- Moss Lab: <https://med.stanford.edu/mosslab.html>
- Stanford Neuro-ophthalmology clinical fellowship: <https://med.stanford.edu/ophthalmology/education/clinical-fellowships/neuro-ophthalmology.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Permanent vision loss caused by papilledema, the swelling of the optic nerve heads due to elevation in intracranial pressure (ICP), occurs in 50% of people with idiopathic intracranial hypertension (IIH) as well as individuals with high ICP from other neurological and neurosurgical diseases. One reason that blindness results from IIH, which is a treatable disease, is lack of timely, accurate clinical markers with which to identify those who are at risk of losing vision.

My research program seeks to identify and develop such markers through studies of papilledema physiology in humans affected by IIH. My current studies focus on humans with IIH because this accurately captures both the disease of interest and the target population. The conceptual frameworks that underlie my research program are drawn from my doctoral level engineering training. Using a mechanical (structural) framework I am evaluating

the effect of changing intra-cerebral and intra-optic nerve forces from ICP and papilledema on the shape of the optic nerve and retinal blood vessels. Using an electrical (functional) framework I am evaluating patterns of visual pathway dysfunction in papilledema using non-invasive techniques of electrophysiology, pupillary light response and psychophysics. Markers based on both of these frameworks have the potential to capture the dynamics of pathophysiological changes associated with evolving and resolving papilledema with less delay than currently used clinical markers.

My aim is to develop non-invasive structural and functional markers of papilledema physiology that predict visual outcomes in IIH and guide tailored intervention that will improve visual outcomes and prevent blindness. The short-term objective of my research program is to evaluate candidate markers with regards to differences between untreated IIH, treated IIH and normal patients, changes over time in IIH patients receiving treatment, and differences between IIH patients with and without vision loss. The long-term objective of my research program is to elucidate markers of papilledema physiology that can be studied non-invasively and to ascertain their ability to predict future visual function in IIH and guide clinical management.

Other areas of active research include study of peri-operative vision loss and visual pathway based diagnosis of neuro-degenerative diseases. I am actively involved in clinical trials through the Neuro-Ophthalmology Research Disease Investigator Consortium (NORDIC).

CLINICAL TRIALS

- QRK207, Not Recruiting
- Regenera (NAION), Not Recruiting
- Surgical Idiopathic Intracranial Hypertension Treatment Trial (SIGHT), Not Recruiting

PROJECTS

- Physiologically Based Markers of Idiopathic Intracranial Hypertension - Stanford University
- Risk factors for peri-operative vision loss - Stanford University, University of Illinois at Chicago, University of Chicago
- Visual pathway based markers of neuro-degenerative disease
- Neuro-ophthalmology clinical research

Publications

PUBLICATIONS

- **Compressive Optic Neuropathy Due to Dolichoectatic Ophthalmic Artery.** *Neuro-ophthalmology (Aeolus Press)*
Navarro, S. E., Naranjo, A., Dodd, R., Mashhood, A., Moss, H. E.
2026; 50 (3): 281-284
- **Glucagon-Like Peptide-1 Receptor Agonists and the Risk of Non-Arteritic Anterior Ischemic Optic Neuropathy: A Consensus Statement by the North American Neuro-Ophthalmology Society and the American Academy of Ophthalmology.** *Ophthalmology*
DeParis, S. W., Oke, I., Gaier, E. D., Moss, H. E., MacIntosh, P. W., Gilbert, A. L., Dinkin, M. J., Chen, J. J.
2026
- **Diagnosis of High Intracranial Pressure by Non-Optic Nerve Retinal Image Features.** *Translational vision science & technology*
Abdollahi, F., Li, K. Z., Zou, Y., Moss, H. E., Shahidi, M.
2026; 15 (4): 2
- **OCT-Based Differentiation of First Acute Optic Neuritis: An International Study of 111 Patients With NMOSD and MOGAD.** *Neurology(R) neuroimmunology & neuroinflammation*
Pakeerathan, T., Davis, J., Henderson, A. D., Sotirchos, E. S., Said, Y., Havla, J., Ringelstein, M., Aktas, O., Weise, M., Gernert, J. A., Kornek, B., Bsteh, G., Rommer, et al
2026; 13 (2): e200531
- **Visual Outcomes of Plasma Exchange for Acute Optic Neuritis: A Report by the American Academy of Ophthalmology.** *Ophthalmology*
Chen, J. J., Oke, I., Dinkin, M. J., El-Dairi, M. A., Gaier, E. D., Gilbert, A. L., MacIntosh, P. W., Moss, H. E., Pineles, S. L., Heidary, G.

2026

- **Mental Health Assessment and Suitability for Cognitive-Behavioral Therapy Among Patients With Idiopathic Intracranial Hypertension.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Nadeau, F., Fradet, M., Moss, H. E.
2026
- **Real-world analysis of medication adherence and cost of care for comorbid conditions in patients with early Alzheimer's disease in the U.S.** *Neurodegenerative disease management*
Lv, L., Aly, A., McKay, C., Mystkowski, P., Gallagher, S., Garcia, K., Moss, H. E., Mattke, S.
2025: 1-9
- **Optic disc flavoprotein fluorescence imaging as a novel method to quantify disease burden in optic disc drusen.** *American journal of ophthalmology*
Pujari, R. R., Yu, M., Zhang, J., Almeda, L., Pugazhendhi, S., Zhu, P., Rich, C., Moss, H. E., Beres, S., Liao, Y. J.
2025
- **Long-term test and retest reliability of clinical vergence testing.** *Ophthalmic & physiological optics : the journal of the British College of Ophthalmic Opticians (Optometrists)*
Scheiman, M., Raghuram, A., Master, C., Robich, M. L., Toole, A., Shelton, E. R., Srinivasan, G., Marusic, S., Meiyeppen, S., Jordan, L. A., Roberts, T. L., EPICC Study Group, Roberts, T. L., et al
2025
- **Outcomes After Acute Plasma Exchange for Myelin Oligodendrocyte Glycoprotein Antibody-Associated Disease.** *Neurology*
Thakolwiboon, S., Redenbaugh, V., Chen, B., Hewitt, S., Shah, S., Lotan, I., Levy, M., Forcadela, M., Huda, S., Pique, J., Marignier, R., Boutiere, C., Audoin, et al
2025; 105 (6): e213903
- **Performance of vision language models for optic disc swelling identification on fundus photographs** *FRONTIERS IN DIGITAL HEALTH*
Li, K., Nguyen, T., Moss, H. E.
2025; 7: 1660887
- **Compressive Optic Neuropathy Due to Dolichoectatic Ophthalmic Artery** *NEURO-OPHTHALMOLOGY*
Navarro, S., Naranjo, A., Dodd, R., Mashhood, A., Moss, H. E.
2025
- **Optic neuritis: a comprehensive review of current therapies and emerging treatment strategies.** *Frontiers in neurology*
Chaitanu Wong, P., Moss, H. E.
2025; 16: 1605075
- **Evaluating the use of Vision-Language Model (VLM) for disc swelling identification from fundus photos**
Li, K., Moss, H.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Longitudinal study of foveal scattering features in multiple sclerosis using adaptive optics scanning light ophthalmoscopy**
Hargrave, A., Buickians, D., Ayubi, G., Parthasarathi, P., Navarro, S., Kowalski, B., Kipp, L., Han, M. H., Dubra, A., Moss, H.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **The role of optical coherence tomography in the evaluation of the para-chiasmal lesion: a systematic review and meta-analysis**
Lim, A., Xu, W., Tng, A., De, W., Theng, B., Kwong, T., Lee, B., Chin, C., Moss, H., Li, K.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **PARKINSONISM AND RELATED DISORDERS 134 (2025) 107742 OUTCOMES FOLLOWING INITIATION OF AMANTADINE DR/ER (GOCOVRI) IN PATIENTS WITH PARKINSON DISEASE-EVALUATION OF THE AAN AXON REGISTRY DATABASE**
Grall, M., Crouse, N., Formella, A. E., Zwick, E., Moss, H.
ELSEVIER SCI LTD.2025
- **Venous Sinus Stenting Outcomes in Patients with Papilledema from Secondary Causes of Elevated Intracranial Pressure** *NEURO-OPHTHALMOLOGY*
Swaminathan, V. B., Oyemade, K. A., Xu, T. T., Cutsforth-Gregory, J. K., Lanzino, G., Moss, H. E., Dodd, R. L., Bhatti, M., Brinjikji, W., Tajfirouz, D. A., Chodnicki, K. D., Chen, J. J.

2025

- **Effectiveness and Outcome Predictors of Acute Plasma Exchange for Myelin Oligodendrocyte Glycoprotein Antibody Associated Disease**
Thakolwiboon, S., Redenbaugh, V., Chen, B., Hewitt, S., Shah, S., Lotan, I., Levy, M., Forcadela, M., Huda, S., Pique, J., Marignier, R., Boutere, C., Audoin, et al
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Inpatient Implementation of Portable Ocular Fundus Photography Among Neurology Residents.** *The Neurohospitalist*
Schwartz, N. U., Silverman, A., Beres, S., Moss, H. E., Kvam, K., Galetta, K.
2025: 19418744251317260
- **The role of optical coherence tomography in the evaluation of para-chiasmal lesions: a systematic review and meta-analysis.** *Frontiers in ophthalmology*
Lim, K. S., Tng, W. X., Theng, W. D., Lee, B. T., Chin, C. F., Li, K. Z., Moss, H. E.
2025; 5: 1691582
- **Recent advances in neuro-ophthalmology.** *Indian journal of ophthalmology*
Bassi, S. T., Newman, N. J., Chen, J. J., Tisavipat, N. Y., Mollan, S. P., Moss, H. E., Milea, D.
2024; 72 (11): 1544-1559
- **Deep Learning to Improve Diagnosis Must Also Not Do Harm.** *JAMA ophthalmology*
Moss, H. E.
2024
- **OCT-based differentiation between MOGAD and NMOSD at acute stage of optic neuritis**
Pakeerathan, T., Davis, J., Henderson, A., Sotirchos, E., Said, Y., Havla, J., Ringelstein, M., Aktas, O., Weise, M., Gernert, J. A., Kornek, B., Bsteh, G., Rommer, et al
SAGE PUBLICATIONS LTD.2024: 92-94
- **Cerebroventricular deformation and vector mapping, a topographic visualizer for surgical interventions in pediatric hydrocephalus.** *Journal of neurosurgery. Pediatrics*
Yeom, K. W., Zhang, M., Lee, E. H., Duh, A. K., Beres, S. J., Prolo, L. M., Lober, R. M., Moss, H. E., Moseley, M. E., Forkert, N. D., Wilms, M., Grant, G. A.
2024: 1-9
- **Longitudinal foveal adaptive optics scanning laser ophthalmoscopy in multiple sclerosis**
Hargrave, A., Buickians, D., Navarro, S., Parthasarathi, P., Kipp, L., Han, M., Zavalla, G., Kowalski, B., Dubra, A., Moss, H. E.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Method for Simulating the Impact of Subject Specific Photoreceptor Shadowing on a Photoreceptor Photon Absorption Map**
Buickians, D., Hargrave, A., Moss, H.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Comparison of comorbidities in people with eye pain due to dry eye and eye pain due to other ocular causes in a tertiary care Neuro-Ophthalmology practice**
Parthasarathi, P., Moss, H., Navarro, S.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **In Vivo OCT Imaging of Muller and Macrophage-Like Cells in the Retinas of Patients with and without MS and related diseases**
Elizabeth, S., Navarro, V., Han, M., Kipp, L., Hargrave, A., Parthasarathi, P., Sylvestre-Bouchard, A., Dubra, A., Moss, H. E.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Blood-born biomarkers for optic disc drusen**
Zhang, Y., Gong, X., Moss, H., Beres, S. J., Wang, S. Y., Liao, Y.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Review of evidence for treatments of acute non arteritic anterior ischemic optic neuropathy.** *Eye (London, England)*
Parthasarathi, P., Moss, H. E.
2024
- **Validity of Administrative Coding for Nonarteritic Ischemic Optic Neuropathy.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*

Hamedani, A. G., Kim, D. S., Chaitanu Wong, P., Gonzalez, L. A., Moss, H. E., DeLott, L. B.
2024

- **Acute Optic Neuropathy in Older Adults: Differentiating Between MOGAD Optic Neuritis and Nonarteritic Anterior Ischemic Optic Neuropathy.** *Neurology(R) neuroimmunology & neuroinflammation*
Tisavipat, N., Stiebel-Kalish, H., Palevski, D., Bialer, O. Y., Moss, H. E., Chaitanu Wong, P., Padungkiatsagul, T., Henderson, A. D., Sotirchos, E. S., Singh, S., Salman, A. R., Tajfirouz, D. A., Chodnicki, et al
2024; 11 (3): e200214
- **A Comparative Study of Large Language Models, Human Experts, and Expert-Edited Large Language Models to Neuro-Ophthalmology Questions.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Tailor, P. D., Dalvin, L. A., Starr, M. R., Tajfirouz, D. A., Chodnicki, K. D., Brodsky, M. C., Mansukhani, S. A., Moss, H. E., Lai, K. E., Ko, M. W., Mackay, D. D., Di Nome, M. A., Dumitrascu, et al
2024
- **Functional Visual Disorder Is Primarily a Psychiatric Condition.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Trobe, J. D., Moss, H. E., Lee, A. G., Van Stavern, G. P.
2024
- **Multi-registry analysis of patients with multiple sclerosis and neuromyelitis optica to improve capture of demographic data and compare visual outcomes.** *Multiple sclerosis and related disorders*
Moss, H. E., Wiener, L., Rizy, C., Baxi, S., Kocher, M., Torres, A. Z., Mbagwu, M.
2024; 84: 105499
- **Which OCT Measure of the Optic Nerve Head Improves Fastest? Towards Optimizing Early Detection of Resolving Papilledema in Children.** *Translational vision science & technology*
Majmudar, T. V., Moss, H. E., Avery, R. A.
2024; 13 (1): 12
- **Application of novel non-invasive ophthalmic imaging to visualize peripapillary wrinkles, retinal folds and peripapillary hyperreflective ovoid mass-like structures associated with elevated intracranial pressure.** *Frontiers in neurology*
Graven-Nielsen, M., Dubra, A., Dodd, R. L., Hamann, S., Moss, H. E.
2024; 15: 1383210
- **Efficacy and Outcome Predictors of Acute Plasma Exchange for Myelin Oligodendrocyte Glycoprotein Antibody Associated Disease**
Thakolwiboon, S., Redenbaugh, V., Cacciaguerra, L., Tisavipat, N., Tajfirouz, D., Chiriboga, A., Tillema, J., Lotan, I., Forcadela, M., Clemence, B., Audoin, B., Pique, J., Vasileiou, et al
SAGE PUBLICATIONS LTD.2023: 125-126
- **Unilateral optic disc swelling in older adults: MOGAD versus NAION**
Tisavipat, N., Stiebel-Kalish, H., Palevski, D., Bialer, O., Moss, H., Chaitanu Wong, P., Padungkiatsagul, T., Henderson, A., Sotirchos, E., Singh, S., Pittock, S., Flanagan, E., Chen, et al
SAGE PUBLICATIONS LTD.2023: 408
- **Role of Sex in Participation During Virtual Grand Rounds in Ophthalmology.** *JAMA ophthalmology*
Hennein, L., Liu, Y., Shuman, E. A., Kim, J. S., Moss, H. E., Keenan, J. D., Seitzman, G. D.
2023
- **Chiasmal Injury in Silent Pituitary Apoplexy Without Evidence of Mass Effect.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Phansalkar, R., Navarro, S. E., Chiang, H., Moss, H. E.
2023
- **Longitudinal imaging of microscopic scattering features in the foveal avascular zone of multiple sclerosis using adaptive optics ophthalmoscopy**
Hargrave, A., Navarro, S., Buickians, D., Kipp, L., Han, M., Kowalski, B., Dubra, A., Moss, H.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023
- **Retinal Vessel Tortuosity Index as a Potential Biomarker of Idiopathic Intracranial Hypertension: Analysis of the IIH Treatment Trial**
Buickians, D., Navarro, S., Moss, H., Feldon, S., Shahidi, M.

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023

- **Comparison of macular Macrophage Like Cell and Muller Cell Density in Patients with Multiple Sclerosis using OCT**
Navarro, S., Soetikno, B., Hargrave, A., Buickians, D., Dubra, A., Moss, H.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023
- **Pilot Implementation and Evaluation of an Outpatient Teleneurology Curriculum for Medical Students**
Ko, M., Moss, H., Mackay, D., Ko, P., Chartier, K., Reese, L., Wallach, P., Allen, B.
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Identifying Multiple Sclerosis Relapses from Clinical Notes Using Combined Rule-based and Deep Learning Methodologies**
Chin, I., Moss, H., Sands, K., Kocher, M., Akkas, O., Torres, A.
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Advancing knowledge and clinical development in frontotemporal dementia (FTD) using the American Academy of Neurology's (AAN) Axon Registry**
Oliver, D., Kane, E., Dodge, S., Doherty, R., Goldfeder, G., Popescu, O., Li, S., Torres, A., Moss, H.
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Multi-registry Analysis of Patients with Multiple Sclerosis (MS) and Neuromyelitis Optica (NMO) to Improve Capture of Demographic Data and Compare Visual Outcomes**
Moss, H., Wiener, L., Rzy, C., Baxi, S., Kocher, M., Torres, A., Mbagwu, M.
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Incidence, risk factors and ophthalmic clinical characteristic of ethambutol-induced optic neuropathy: 7-year experience.** *Frontiers in ophthalmology*
Chaitanuwong, P., Srithawatpong, S., Ruamviboonsuk, P., Apinyawasisuk, S., Watcharapanjamart, A., Moss, H. E.
2023; 3: 1152215
- **SARS-CoV-2 Infection, Vaccination, and Neuro-Ophthalmic Complications.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Chaitanuwong, P., Moss, H. E., El Dairi, M. A.
2023; 43 (1): 1-4
- **Visual Outcomes Following Plasma Exchange for Optic Neuritis: An International Multicenter Retrospective Analysis of 395 Optic Neuritis Attacks.** *American journal of ophthalmology*
Chen, J. J., Flanagan, E. P., Pittock, S. J., Stern, N. C., Tisavipat, N., Bhatti, M. T., Chodnicki, K. D., Tajfirouz, D. A., Jamali, S., Kunchok, A., Eggenberger, E. R., Nome, M. A., Sotirchos, et al
2023
- **Evolution of Disparities in Outpatient Ophthalmic Care at a Tertiary Care Center in California at the Beginning of and One Year into the COVID-19 Public Health Emergency.** *Ophthalmic epidemiology*
Shen, A. A., Gutierrez, K. G., Villegas, N. C., Moss, H. E.
2023: 1-10
- **Accuracy of International Classification of Diseases Codes for Identifying Acute Optic Neuritis.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Muro-Fuentes, E. A., Villarreal Navarro, S. E., Moss, H. E.
2023
- **Atypical Presentations of Extraparenchymal Neurocysticercosis.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Fan, J., Tang, R., Zhang, L., Hoang, P. T., Ayoade, F., Diaz-Perez, J. A., Moss, H. E., Jiang, H.
2023
- **Pituitary macroadenoma causing vision loss in Wyburn-Mason syndrome: illustrative case.** *Journal of neurosurgery. Case lessons*
Hug, N. F., Purger, D. A., Moss, H. E., Dodd, R. L.
2022; 4 (26)
- **Details and outcomes of a large cohort of MOG-IgG associated optic neuritis.** *Multiple sclerosis and related disorders*
Chen, J. J., Flanagan, E. P., Bhatti, M. T., Tisavipat, N., Jamali, S., Kunchok, A., Eggenberger, E. R., Nome, M. D., Sotirchos, E. S., Vasileiou, E. S., Henderson, A. D., Arnold, A. C., Bonelli, et al

2022; 68: 104237

- **Perioperative Care of the Patient with Eye Pathologies Undergoing Nonocular Surgery.** *Anesthesiology*
Roth, S., Moss, H. E., Vajaranant, T. S., Sweitzer, B.
2022
- **Perioperative Ischemic Optic Neuropathy after Cardiac Surgery: Development and Validation of a Preoperative Risk Prediction Model.** *Journal of cardiothoracic and vascular anesthesia*
Shah, S. H., Xiao, L., Chen, Y., Moss, H. E., Rubin, D. S., Roth, S.
2022
- **Tele-Neuro-Ophthalmology Utilization, Availability, and Attitudes: Update 1 Year Into the COVID-19 Public Health Emergency.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Moss, H. E., Lai, K. E., Ko, M. W.
2022
- **Improved Ophthalmic Outcomes Following Venous Sinus Stenting in Idiopathic Intracranial Hypertension.** *Frontiers in ophthalmology*
Oyemade, K. A., Xu, T. T., Brinjikji, W., Cutsforth-Gregory, J. K., Lanzino, G., Kallmes, D. F., Moss, H. E., Dodd, R., Bhatti, M. T., Chen, J. J.
2022; 2: 910524
- **High Altitude as a Risk Factor for the Development of Nonarteritic Anterior Ischemic Optic Neuropathy.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Liu, Y. A., Mesentier-Louro, L. A., Shariati, M. A., Moss, H. E., Beres, S. J., Liao, Y. J.
2022
- **Retinal Vessel Tortuosity Indices (VTIs) as a potential biomarker of idiopathic intracranial hypertension(IIH): Baseline analysis of the IIH treatment trial**
Buickians, D., Dahshan, D., Shahidi, M., Nankali, A., Feldon, S. E., Moss, H.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022
- **Tele-Neuro-Ophthalmology: An Update One Year Into The COVID-19 Pandemic**
Ng, A., Moss, H., Lai, K., Ko, M.
LIPPINCOTT WILLIAMS & WILKINS.2022
- **Representation of Women in Ophthalmology Subspecialty Societies over 20** *OPHTHALMOLOGY*
Azad, A. D., Chandramohan, A., Li, A. S., Rosenblatt, T. R., Reeves, M. R., Veerappan-Pasricha, M., Ludwig, C. A., Nguyen, A., Wings, K. M., Wang, S. Y., Pan, C. K., Moss, H. E., Do, et al
2022; 129 (5): 587-590
- **Evaluation of Interventions Targeting Follow-up Appointment Scheduling After Emergency Department Referral to Ophthalmology Clinics Using A3 Problem Solving.** *JAMA ophthalmology*
Tan, C. H., Mickelsen, J., Villegas, N., Levina, M., Shows, A., Oruna, K., Erickson, B., Moss, H. E.
2022
- **Patient Personality and Illness Perceptions in Relation to Follow-Up Appointment Adherence in Neuro-Ophthalmology.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Aziz, R., Bindiganavale, M. P., Chang, R. T., Moss, H. E.
2022
- **Management of Functional Vision Disorders.** *Current neurology and neuroscience reports*
Phansalkar, R., Lockman, A. J., Bansal, S., Moss, H. E.
2022
- **Predictive Value of International Classification of Diseases Codes for Idiopathic Intracranial Hypertension in a University Health System.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Khushzad, F., Kumar, R., Muminovic, I., Moss, H. E.
2022; 42 (1): 6-10
- **OCT retinal nerve fiber layer thickness differentiates acute optic neuritis from MOG antibody-associated disease and Multiple Sclerosis: RNFL thickening in acute optic neuritis from MOGAD vs MS.** *Multiple sclerosis and related disorders*
Chen, J. J., Sotirchos, E. S., Henderson, A. D., Vasileiou, E. S., Flanagan, E. P., Bhatti, M. T., Jamali, S., Eggenberger, E. R., Dinome, M., Frohman, L. P., Arnold, A. C., Bonelli, L., Seleme, et al

1800; 58: 103525

- **Diagnostic performance of neuroimaging in suspected idiopathic intracranial hypertension.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Wang, M. T., Prime, Z. J., Xu, W., McKelvie, J., Papchenko, T., Padungkiatsagul, T., Moss, H. E., Danesh-Meyer, H. V.
1800; 96: 56-60
- **Representation of Women in Ophthalmology Subspecialty Societies over 20 Years.** *Ophthalmology*
Azad, A. D., Chandramohan, A., Li, A. S., Rosenblatt, T. R., Reeves, M. R., Pasricha, M. V., Ludwig, C. A., Nguyen, A., Wings, K. M., Wang, S. Y., Pan, C. K., Moss, H. E., Do, et al
1800
- **Emerging concepts in the treatment of optic neuritis: mesenchymal stem cell-derived extracellular vesicles.** *Stem cell research & therapy*
Aneesh, A., Liu, A., Moss, H. E., Feinstein, D., Ravindran, S., Mathew, B., Roth, S.
2021; 12 (1): 594
- **Variability of Retinal Vessel Tortuosity Measurements Using a Semiautomated Method Applied to Fundus Images in Subjects With Papilledema.** *Translational vision science & technology*
Moss, H. E., Cao, J., Wasi, M., Feldon, S. E., Shahidi, M.
1800; 10 (14): 32
- **Evolving Evidence in Idiopathic Intracranial Hypertension.** *Life (Basel, Switzerland)*
Mollan, S. P., Moss, H. E., Hamann, S.
2021; 11 (11)
- **Development and Preliminary Validation of a Virtual Reality Approach for Measurement of Torsional Strabismus.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Bindiganavale, M., Buickians, D., Lambert, S. R., Bodnar, Z. M., Moss, H. E.
2021
- **Development of a Prognostic Model for Predicting Multiple Sclerosis After Optic Neuritis: A Secondary Analysis of Data From the Optic Neuritis Treatment Trial.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Luo, W., Deng, X., Xu, X., Song, R., Luo, M., Moss, H. E., Du, Y.
2021
- **Factors Associated With Adherence to Outpatient Follow-Up in Patients With Idiopathic Intracranial Hypertension (IIH).** *Frontiers in ophthalmology*
Aziz, R., Shah, A., Moss, H. E.
2021; 1: 770807
- **Optical coherence tomography demonstrates more severe peripapillary retinal nerve fiber layer thickening in acute optic neuritis from myelin oligodendrocyte glycoprotein antibody associated disorder than multiple sclerosis**
Chen, J., Sotirchos, E., Henderson, A., Vasileiou, E., Flanagan, E., Bhatti, M. T., Jamali, S., Eggenberger, E., Dinome, M., Frohman, L., Arnold, A., Bonelli, L., Seleme, et al
SAGE PUBLICATIONS LTD.2021: 485-486
- **The Impact of COVID-19 on Neuro-Ophthalmology Office Visits and Adoption of Telemedicine Services.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Moss, H. E., Ko, M. W., Mackay, D. D., Chauhan, D., Gutierrez, K. G., Villegas, N. C., Lai, K. E.
2021; 41 (3): 362-367
- **Gender Gap in Neurology Research Authorship (1946-2020).** *Frontiers in neurology*
Nguyen, A. X., Yoffe, L., Li, A., Trinh, X. V., Kurian, J., Moss, H. E., Wu, A. Y.
2021; 12: 715428
- **Factors Associated With Increased Emergency Department Utilization in Patients With Acute Optic Neuritis.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Muro-Fuentes, E. A., Moss, H. E.
2021
- **Optic chiasm involvement in AQP-4 antibody-positive NMO and MOG antibody-associated disorder.** *Multiple sclerosis (Houndmills, Basingstoke, England)*

Tajfirouz, D., Padungkiatsagul, T., Beres, S., Moss, H. E., Pittock, S., Flanagan, E., Kunchok, A., Shah, S., Bhatti, M. T., Chen, J. J.
2021: 13524585211011450

- **Neuro-Ophthalmic Emergencies.** *Neurologic clinics*
Spiegel, S. J., Moss, H. E.
2021; 39 (2): 631–47
- **Factors Associated with Adherence to Followup Recommendations in Neuro-Ophthalmology**
Aziz, R., Moss, H.
LIPPINCOTT WILLIAMS & WILKINS.2021
- **Functional Vision Disorders in adults: A paradigm and nomenclature shift for ophthalmology.** *Survey of ophthalmology*
Raviskanthan, S., Wendt, S., Ugoh, P. M., Mortensen, P. W., Moss, H. E., Lee, A. G.
2021
- **Development and Implementation of a Handheld Pupillometer for Detection of Optic Neuropathies.** *Current eye research*
Bindiganavale, M. P., Moss, H. E.
2021: 1–4
- **Head-Down Tilt Bed Rest Studies as a Terrestrial Analog for Spaceflight Associated Neuro-Ocular Syndrome.** *Frontiers in neurology*
Ong, J., Lee, A. G., Moss, H. E.
2021; 12: 648958
- **Retinal Vein Changes as a Biomarker to Guide Diagnosis and Management of Elevated Intracranial Pressure.** *Frontiers in neurology*
Moss, H. E.
2021; 12: 751370
- **Comparison of Machine Learning Approaches to Improve Diagnosis of Optic Neuropathy Using Photopic Negative Response Measured Using a Handheld Device.** *Frontiers in medicine*
Diao, T., Kushzad, F., Patel, M. D., Bindiganavale, M. P., Wasi, M., Kochenderfer, M. J., Moss, H. E.
1800; 8: 771713
- **Novel Foveal Features Associated With Vision Impairment in Multiple Sclerosis.** *Investigative ophthalmology & visual science*
Hargrave, A., Sredar, N., Khushzad, F., Yarp, J., Tomczak, A., Han, M., Kipp, L., Dubra, A., Moss, H. E.
2021; 62 (12): 27
- **Should Lumbar Puncture Be Required to Diagnose Every Patient With Idiopathic Intracranial Hypertension?** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Moss, H. E., Margolin, E. A., Lee, A. G., Van Stavern, G. P.
2021; 41 (3): 379-384
- **Validity of International Classification of Diseases Codes for Identifying Neuro-Ophthalmic Disease in Large Data Sets: A Systematic Review.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Hamedani, A. G., De Lott, L. B., Deveney, T., Moss, H. E.
2020; 40 (4): 514–19
- **More rapid recovery and improved outcome with early steroid therapy in mog-igg associated optic neuritis**
Chen, J., Flanagan, E., Bhatti, M., Jamali, S., Kunchok, A., Eggenberger, E., Acierno, M., Arnold, A., Seleme, E., Meija-Vergara, A., Moss, H., Padungkiatsagul, T., Stiebel-Kalish, et al
SAGE PUBLICATIONS LTD.2020: 466-467
- **Numerical Investigation on the Role of Mechanical Factors Contributing to Globe Flattening in States of Elevated Intracranial Pressure.** *Life (Basel, Switzerland)*
Mehr, J. A., Moss, H. E., Hatami-Marbini, H.
2020; 10 (12)
- **Telemedicine for neuro-ophthalmology: challenges and opportunities.** *Current opinion in neurology*
Liu, Y. A., Ko, M. W., Moss, H. E.
2020
- **MRI findings as markers of idiopathic intracranial hypertension.** *Current opinion in neurology*

- Barkatullah, A. F., Leishangthem, L., Moss, H. E.
2020
- **Retinal Diseases that Can Masquerade as Neurological Causes of Vision Loss.** *Current neurology and neuroscience reports*
Padungkiatsagul, T., Leung, L., Moss, H. E.
2020; 20 (11): 51
 - **Higher Cortical Dysfunction Presenting as Visual Symptoms in Neurodegenerative Diseases.** *Frontiers in neurology*
Liu, Y., Pelak, V. S., van Stavern, G., Moss, H. E.
2020; 11: 679
 - **Differences in Clinical Features of Myelin Oligodendrocyte Glycoprotein Antibody-Associated Optic Neuritis in White and Asian Race.** *American journal of ophthalmology*
Padungkiatsagul, T., Chen, J. J., Jindahra, P., Akaishi, T., Takahashi, T., Nakashima, I., Takeshita, T., Moss, H. E.
2020
 - **A Tearfully Painful Darkness.** *Survey of ophthalmology*
Leishangthem, L., Beres, S., Moss, H. E., Chen, J.
2020
 - **Acute Inflammatory Optic Neuritis Associated with a Self-Taper of Oral Prednisone in a Patient Taking Adalimumab.** *Neuro-ophthalmology (Aeolus Press)*
Komandur, A., MacIntosh, P., Moss, H.
2020; 44 (3): 186–89
 - **Optical coherence tomography use in idiopathic intracranial hypertension.** *Annals of eye science*
Malhotra, K., Padungkiatsagul, T., Moss, H. E.
2020; 5
 - **Randomized Controlled Trials: A Primer for Neuro-Ophthalmologists.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Moss, H. E., Cao, J., Pineles, S. L.
2020; 40 (1): 3–7
 - **Retinal vessel diameter changes after 6 months of treatment in the Idiopathic Intracranial Hypertension Treatment Trial.** *The British journal of ophthalmology*
Moss, H. E., Hollar, R. A., Fischer, W. S., Feldon, S. E.
2020
 - **Application of Hemifield Visual Electrophysiology to Diagnose Functional Vision Loss.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Moss, H. E., Jabbehdari, S. n.
2020
 - **Anterior Optic Neuropathy in a Patient With Cyclical Fevers.** *JAMA ophthalmology*
Jabbehdari, S. n., Lakusta, A. R., Moss, H. E.
2020
 - **Peri-operative ischemic optic neuropathy in spinal fusion surgery: Validating a predictive scoring system.** *The spine journal : official journal of the North American Spine Society*
Moss, H. E., Xiao, L. n., Shah, S. H., Chen, Y. F., Joslin, C. n., Roth, S. n.
2020
 - **Ultra-widefield Fundus Image in Oculocutaneous Albinism.** *JAMA ophthalmology*
Padungkiatsagul, T. n., Leishangthem, L. n., Moss, H. E.
2020; 138 (9): e200864
 - **Evolution of the Journal of Neuro-Ophthalmology and the Clinical Ophthalmology Literature: A 20-Year Retrospective.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Blankshain, K. D., Joslin, C. E., Pineles, S. L., Moss, H. E.
2020; 40 (2): 141–43

- **The Case-Control Study in Neuro-Ophthalmology.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Hamedani, A. G., Pineles, S. L., Moss, H. E.
2020; 40 (2): 144–47
- **Predictive model of Ischemic optic neuropathy in spinal fusion surgery using a longitudinal medical claims database.** *The spine journal : official journal of the North American Spine Society*
Moss, H. E., Xiao, L. n., Shah, S. H., Chen, Y. F., Joslin, C. n., Roth, S. n.
2020
- **Steroid-sparing maintenance immunotherapy for MOG-IgG associated disorder.** *Neurology*
Chen, J. J., Flanagan, E. P., Bhatti, M. T., Jitprapaikulsan, J. n., Dubey, D. n., Lopez Chiriboga, A. S., Fryer, J. P., Weinschenker, B. G., McKeon, A. n., Tillema, J. M., Lennon, V. A., Lucchinetti, C. F., Kunchok, et al
2020
- **Survey of Telehealth Adoption by Neuro-ophthalmologists During the COVID-19 Pandemic: Benefits, Barriers and Utility.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Moss, H. E., Lai, K. E., Ko, M. W.
2020
- **Reversal of Iris Heterochromia in Adult-Onset Acquired Horner Syndrome.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Padungkiatsagul, T. n., Leishangthem, L. n., Moss, H. E.
2020
- **Update on the Diagnosis and Treatment of Idiopathic Intracranial Hypertension.** *Seminars in neurology*
Ahmad, S. R., Moss, H. E.
2019; 39 (6): 682–91
- **Big Data Research in Neuro-Ophthalmology: Promises and Pitfalls** *JOURNAL OF NEURO-OPHTHALMOLOGY*
Moss, H. E., Joslin, C. E., Rubin, D. S., Roth, S.
2019; 39 (4): 480–86
- **Chiasmal and Postchiasmal Disease.** *Continuum (Minneapolis, Minn.)*
Moss, H. E.
2019; 25 (5): 1310-1328
- **Methods for Quantifying Optic Disc Volume and Peripapillary Deflection Volume Using Radial Optical Coherence Tomography Scans and Association With Intracranial Pressure** *FRONTIERS IN NEUROLOGY*
Patel, M., Malhotra, K., Shirazi, Z., Moss, H. E.
2019; 10
- **Methods for Quantifying Optic Disc Volume and Peripapillary Deflection Volume Using Radial Optical Coherence Tomography Scans and Association With Intracranial Pressure.** *Frontiers in neurology*
Patel, M. D., Malhotra, K., Shirazi, Z., Moss, H. E.
2019; 10: 798
- **Predicting Risk of Perioperative Ischemic Optic Neuropathy: A Study Using the US National Inpatient Sample**
Roth, S., Shah, S., Chen, Y., Moss, H., Rubin, D., Joslin, C.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2019
- **Perioperative Visual Loss in Cardiac Surgery** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
Raphael, J., Moss, H. E., Roth, S.
2019; 33 (5): 1420–29
- **Predicting Risk of Perioperative Ischemic Optic Neuropathy in Spine Fusion Surgery: A Cohort Study Using the National Inpatient Sample.** *Anesthesia and analgesia*
Shah, S. H., Chen, Y. F., Moss, H. E., Rubin, D. S., Joslin, C. E., Roth, S. n.
2019

- **Association Between Peripapillary Bruch's Membrane Shape and Intracranial Pressure: Effect of Image Acquisition Pattern and Image Analysis Method, a Preliminary Study.** *Frontiers in neurology*
Malhotra, K., Patel, M. D., Shirazi, Z., Moss, H. E.
2018; 9: 1137
- **Association Between Peripapillary Bruch's Membrane Shape and Intracranial Pressure: Effect of Image Acquisition Pattern and Image Analysis Method, a Preliminary Study** *FRONTIERS IN NEUROLOGY*
Malhotra, K., Patel, M. D., Shirazi, Z., Moss, H. E.
2018; 9
- **Comparison of cross sectional optical coherence tomography images of elevated optic nerve heads across acquisition devices and scan protocols** *EYE AND VISION*
Patel, M. D., Khushzad, F., Moss, H. E.
2018; 5
- **Update on Perioperative Ischemic Optic Neuropathy Associated With Non-ophthalmic Surgery** *FRONTIERS IN NEUROLOGY*
Roth, S., Moss, H. E.
2018; 9
- **Update on Perioperative Ischemic Optic Neuropathy Associated With Non-ophthalmic Surgery.** *Frontiers in neurology*
Roth, S., Moss, H. E.
2018; 9: 557
- **Retinal Vessel Diameters Change Within 1 Hour of Intracranial Pressure Lowering** *TRANSLATIONAL VISION SCIENCE & TECHNOLOGY*
Moss, H. E., Vangipuram, G., Shirazi, Z., Shahidi, M.
2018; 7 (2): 6
- **Perioperative Retinal Artery Occlusion: Incidence and Risk Factors in Spinal Fusion Surgery From the US National Inpatient Sample 1998-2013.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Calway, T. n., Rubin, D. S., Moss, H. E., Joslin, C. E., Mehta, A. I., Roth, S. n.
2018; 38 (1): 36–41
- **Comparison of cross sectional optical coherence tomography images of elevated optic nerve heads across acquisition devices and scan protocols.** *Eye and vision (London, England)*
Patel, M. D., Khushzad, F., Moss, H. E.
2018; 5: 17
- **Electroretinography in idiopathic intracranial hypertension: comparison of the pattern ERG and the photopic negative response.** *Documenta ophthalmologica. Advances in ophthalmology*
Park, J. C., Moss, H. E., McAnany, J. J.
2018; 136 (1): 45–55
- **Quantitative Association Between Peripapillary Bruch's Membrane Shape and Intracranial Pressure.** *Investigative ophthalmology & visual science*
Gampa, A., Vangipuram, G., Shirazi, Z., Moss, H. E.
2017; 58 (5): 2739-2745
- **The Longitudinal Idiopathic Intracranial Hypertension Trial: Outcomes from Months 6 - 12.** *American journal of ophthalmology*
Wall, M. n., Kupersmith, M. J., Thurtell, M. J., Moss, H. E., Moss, E. A., Auinger, P. n.
2017
- **Diagnostic Challenge: Sequential Unilateral Cranial Neuropathies Due to Perineural Spread of Carcinoma** *NEURO-OPHTHALMOLOGY*
Moss, H. E., MacIntosh, P. W., Slavin, K. V., Collins, J. M.
2017; 41 (4): 227–31
- **Cerebral Venous Thrombosis with Papilloedema Secondary to Skull Base Plasmacytoma** *NEURO-OPHTHALMOLOGY*
MacIntosh, P. W., Lin, A. Y., Kim, J., Testai, F. D., Moss, H. E.
2017; 41 (5): 284–86
- **Visual consequences of medications for multiple sclerosis: the good, the bad, the ugly, and the unknown.** *Eye and brain*
Moss, H. E.

2017; 9: 13–21

- **Validation of Simplified Visual Acuity Testing Protocols in Amyotrophic Lateral Sclerosis.** *Neuro-ophthalmology (Aeolus Press)*
Boven, L. C., Jiang, Q. L., Moss, H. E.
2017; 41 (5): 247–52
- **Diffuse Colour Discrimination as Marker of Afferent Visual System Dysfunction in Amyotrophic Lateral Sclerosis.** *Neuro-ophthalmology (Aeolus Press)*
Boven, L. n., Jiang, Q. L., Moss, H. E.
2017; 41 (6): 310–14
- **Perioperative Retinal Artery Occlusion: Risk Factors in Cardiac Surgery from the United States National Inpatient Sample 1998-2013.** *Ophthalmology*
Calway, T. n., Rubin, D. S., Moss, H. E., Joslin, C. E., Beckmann, K. n., Roth, S. n.
2017; 124 (2): 189–96
- **Ischemic Optic Neuropathy in Cardiac Surgery: Incidence and Risk Factors in the United States from the National Inpatient Sample 1998 to 2013.** *Anesthesiology*
Rubin, D. S., Matsumoto, M. M., Moss, H. E., Joslin, C. E., Tung, A. n., Roth, S. n.
2017
- **High and Low Contrast Visual Acuity Are Not Affected in Amyotrophic Lateral Sclerosis** *PLOS ONE*
Moss, H. E., Samelson, M., Mohan, G., Jiang, Q. L.
2016; 11 (12)
- **Unilateral Proptosis, Redness, Diplopia, and Numbness in a Young Woman** *JAMA OPHTHALMOLOGY*
Ali, M. H., Jones, S., Moss, H. E.
2016; 134 (11): 1325-1326
- **MACULAR DETACHMENT ASSOCIATED WITH ANOMALOUS OPTIC NERVES AND DURAL ECTASIA IN 49, XXXXY SYNDROME.** *Retinal cases & brief reports*
Hajrasouliha, A. R., Moss, H. E., Maralani, P. J., Kaufman, L., Grassi, M. A.
2016: -?
- **Perioperative Visual Loss in Spine Fusion Surgery: Ischemic Optic Neuropathy in the United States from 1998 to 2012 in the Nationwide Inpatient Sample.** *Anesthesiology*
Rubin, D. S., Parakati, I., Lee, L. A., Moss, H. E., Joslin, C. E., Roth, S.
2016; 125 (3): 457-464
- **Orbito-Masticatory Syndrome** *JOURNAL OF NEURO-OPHTHALMOLOGY*
Mettu, P., Bhatti, M., El-Dairi, M. A., Price, E. B., Lin, A. Y., Alaraj, A., Setabutr, P., Moss, H. E.
2016; 36 (3): 308-312
- **Research Registries: A Tool to Advance Understanding of Rare Neuro-Ophthalmic Diseases.** *Journal of neuro-ophthalmology*
Blankshain, K. D., Moss, H. E.
2016; 36 (3): 317-323
- **Objective Measures of Visual Function in Papilledema.** *Advances in ophthalmology and optometry*
Moss, H. E.
2016; 1 (1): 231-247
- **Pearls & Oy-sters: A rare presentation of chronic intracranial hypertension with concurrent deafness and blindness** *NEUROLOGY*
Hosseini, M., McGuire, L., Stosic, M., Moss, H. E., Carrithers, M. D.
2016; 87 (3): E26-E28
- **Detection of retinal blood vessel changes in multiple sclerosis with optical coherence tomography** *BIOMEDICAL OPTICS EXPRESS*
Bhaduri, B., Nolan, R. M., Shelton, R. L., Pilutti, L. A., Motl, R. W., Moss, H. E., Pula, J. H., Boppart, S. A.
2016; 7 (6): 2321-2330
- **Bariatric Surgery and the Neuro-Ophthalmologist** *JOURNAL OF NEURO-OPHTHALMOLOGY*
Moss, H. E.

- 2016; 36 (1): 78-84
- **Innocent Until Proven Guilty** *JOURNAL OF NEURO-OPHTHALMOLOGY*
Moss, H. E., Stroup, T. S., Lin, A. Y., Graf, O. W., Halfpenny, A. M., Lipton, H. L., Blitz, A. M., Valyi-Nagy, T.
2016; 36 (1): 92-97
 - **Cross-Sectional Analysis of Neurocognitive Function, Retinopathy, and Retinal Thinning by Spectral-Domain Optical Coherence Tomography in Sickle Cell Patients.** *Middle East African journal of ophthalmology*
Oltra, E. Z., Chow, C. C., Wubben, T., Lim, J. I., Chau, F. Y., Moss, H. E.
2016; 23 (1): 79-83
 - **Optic Neuropathy with Delayed Onset After Trauma: Case Report and Review of the Literature** *NEURO-OPHTHALMOLOGY*
Kang, K. B., Jones, S., Ahmad, A., Moss, H. E.
2016; 40 (4): 188-191
 - **Proceedings of the 37th Annual Upper Midwest Neuro-Ophthalmology Group Meeting, July 22, 2016, Chicago, Illinois, USA** *NEURO-OPHTHALMOLOGY*
Intan, S., Moss, H. E.
2016; 40 (6): 300-303
 - **Proceedings of the 36th Annual Upper Midwest Neuro-Ophthalmology Group Meeting, 24 July 2015, Chicago, Illinois, USA** *NEURO-OPHTHALMOLOGY*
Stosic, M., Dreizin, I., Moss, H. E.
2016; 40 (1): 47-49
 - **The Pupillary Light Reflex in Idiopathic Intracranial Hypertension** *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*
Park, J. C., Moss, H. E., McAnany, J. J.
2016; 57 (1): 23-29
 - **Should Magnetic Resonance Venography be Performed Routinely in all Patients Undergoing Evaluation for Idiopathic Intracranial Hypertension?** *JOURNAL OF NEURO-OPHTHALMOLOGY*
Dinkin, M., Moss, H. E.
2015; 35 (4): 431-437
 - **Quantitative Magnetic Resonance Venography is Correlated With Intravenous Pressures Before and After Venous Sinus Stenting: Implications for Treatment and Monitoring** *NEUROSURGERY*
Esfahani, D. R., Stevenson, M., Moss, H. E., Amin-Hanjani, S., Aletich, V., Jain, S., Charbel, F. T., Alaraj, A.
2015; 77 (2): 254-260
 - **Clinical Reasoning: An unusual diagnostic triad** *NEUROLOGY*
Francis, A. W., Kiernan, C. L., Huvard, M. J., Vargas, A., Zeidman, L. A., Moss, H. E.
2015; 85 (3): E17-E21
 - **Retinal Vascular Changes are a Marker for Cerebral Vascular Diseases** *CURRENT NEUROLOGY AND NEUROSCIENCE REPORTS*
Moss, H. E.
2015; 15 (7)
 - **Improvement in venous outflow following superior sagittal sinus decompression after a gunshot wound to the head: case report** *JOURNAL OF NEUROSURGERY*
Birk, D. M., Tobin, M. K., Moss, H. E., Feinstein, E., Charbel, F. T., Alaraj, A.
2015; 123 (1): 81-85
 - **The Photopic Negative Response in Idiopathic Intracranial Hypertension** *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*
Moss, H. E., Park, J. C., McAnany, J. J.
2015; 56 (6): 3709-3714
 - **Staphylococcus aureus Infection of the Optic Nerve** *JOURNAL OF NEURO-OPHTHALMOLOGY*
Osmanovic, S., Al-Heeti, O. M., Lin, A. Y., Zivin, S. P., Justo, J., Mayer, S. M., Aakalu, V. K., Moss, H. E., Patel, M. C.
2015; 35 (1): 48-50
 - **Proceedings of the 35th Annual Upper Midwest Neuro-Ophthalmology Group Meeting, July 25, 2014, Chicago, Illinois, USA** *NEURO-OPHTHALMOLOGY*

- Kowal, K., Moss, H. E., Dreizin, I.
2015; 39 (1): 46-47
- **Alternating Skew Deviation in Association with Anti-Glutamic Acid Decarboxylase Antibodies** *NEURO-OPHTHALMOLOGY*
Farooq, A., Soin, K., Moss, H. E.
2015; 39 (3): 140-143
 - **Clinicopathologic report of ocular involvement in ALS patients with C9orf72 mutation** *AMYOTROPHIC LATERAL SCLEROSIS AND FRONTOTEMPORAL DEGENERATION*
Fawzi, A. A., Simonett, J. M., Purta, P., Moss, H. E., Lowry, J. L., Deng, H., Siddique, N., Sufit, R., Bigio, E. H., Volpe, N. J., Siddique, T.
2014; 15 (7-8): 569-580
 - **A school of red herring** *SURVEY OF OPHTHALMOLOGY*
MacIntosh, P. W., Jain, S., Moss, H. E., Volpe, N. J., Alaraj, A.
2014; 59 (6): 664-670
 - **Orbital Congestion Complicating Treatment of Cerebral Vascular Anomalies** *WORLD NEUROSURGERY*
Levin, M. H., Moss, H. E., Pineles, S. L., Bagley, L. J., Heuer, G. G., Zager, E. L., Balcer, L. J., Galetta, S. L., Vagefi, M.
2014; 82 (1-2): 239.e13-7
 - **Retinal Vessel Diameter Assessment in Papilledema by Semi-Automated Analysis of SLO Images: Feasibility and Reliability** *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*
Moss, H. E., Treadwell, G., Wanek, J., Deleon, S., Shahidi, M.
2014; 55 (4): 2049-2054
 - **Association of Race/Ethnicity With Visual Outcomes Following Acute Optic Neuritis An Analysis of the Optic Neuritis Treatment Trial** *JAMA OPHTHALMOLOGY*
Moss, H. E., Gao, W., Balcer, L. J., Joslin, C. E.
2014; 132 (4): 421-427
 - **Proceedings of the 34th Annual Upper Midwest Neuro-Ophthalmology Group Meeting, July 26, 2013, Chicago, Illinois, USA** *NEURO-OPHTHALMOLOGY*
Price, E. B., Moss, H. E., Dreizin, I.
2013; 37 (6): 268-270
 - **Isolated third, fourth, and sixth cranial nerve palsies from presumed microvascular versus other causes: a prospective study.** *Ophthalmology*
Tamhankar, M. A., Biousse, V., Ying, G., Prasad, S., Subramanian, P. S., Lee, M. S., Eggenberger, E., Moss, H. E., Pineles, S., Bennett, J., Osborne, B., Volpe, N. J., Liu, et al
2013; 120 (11): 2264-2269
 - **Parenchymal Anaplastic Astrocytoma Presenting With Visual Symptoms Due to Bilateral Optic Nerve Sheath Involvement** *JOURNAL OF NEURO-OPHTHALMOLOGY*
Bui, K. M., Farooq, A. V., Moss, H. E., Lin, A. Y., Valyi-Nagy, T., Villano, J.
2013; 33 (3): 313-316
 - **IgG4-related inflammatory pseudotumor of the central nervous system responsive to mycophenolate mofetil** *JOURNAL OF THE NEUROLOGICAL SCIENCES*
Moss, H. E., Mejico, L. J., de la Roza, G., Coyne, T. M., Galetta, S. L., Liu, G. T.
2012; 318 (1-2): 31-35
 - **De Novo Malignant Optic Chiasm Glioma: Initial Clinical Response to Steroids** *NEURO-OPHTHALMOLOGY*
Kang, J. J., Hou, J. H., Bui, K. M., Michals, E., Valyi-Nagy, T., Koshy, M., Munson, T., Charbel, F. T., Villano, J., Moss, H. E.
2012; 36 (2): 59-63
 - **Cross-sectional evaluation of clinical neuro-ophthalmic abnormalities in an amyotrophic lateral sclerosis population** *JOURNAL OF THE NEUROLOGICAL SCIENCES*
Moss, H. E., McCluskey, L., Elman, L., Hoskins, K., Talman, L., Grossman, M., Balcer, L. J., Galetta, S. L., Liu, G. T.
2012; 314 (1-2): 97-101
 - **Acute Optic Neuropathy Associated With an Intracranial Mass in a Patient With POEMS syndrome** *JOURNAL OF NEURO-OPHTHALMOLOGY*

Moss, H. E., Liu, G. T.
2012; 32 (1): 45-47

- **Asymmetric bilateral demyelinating optic neuropathy from tacrolimus toxicity** *JOURNAL OF THE NEUROLOGICAL SCIENCES*
Venneti, S., Moss, H. E., Levin, M. H., Vagefi, M., Brozena, S. C., Pruitt, A. A., Mourelatos, Z., Trojanowski, J. Q., Galetta, S. L., Balcer, L. J.
2011; 301 (1-2): 112-115
- **Visual and Systemic Outcomes in Pediatric Ocular Myasthenia Gravis** *AMERICAN JOURNAL OF OPHTHALMOLOGY*
Pineles, S. L., Avery, R. A., Moss, H. E., Finkel, R., Blinman, T., Kaiser, L., Liu, G. T.
2010; 150 (4): 453-459
- **Noninvasive Measurement of Cerebral Blood Flow and Blood Oxygenation Using Near-Infrared and Diffuse Correlation Spectroscopies in Critically Brain-Injured Adults** *NEUROCRITICAL CARE*
Kim, M. N., Durduran, T., Frangos, S., Edlow, B. L., Buckley, E. M., Moss, H. E., Zhou, C., Yu, G., Choe, R., Maloney-Wilensky, E., Wolf, R. L., Grady, M. S., Greenberg, et al
2010; 12 (2): 173-180
- **Glazed (Vision) and Confused** *SURVEY OF OPHTHALMOLOGY*
Moss, H. E., Liu, G. T., Dalmau, J.
2010; 55 (2): 169-173
- **Anti-N-Methyl-D-Aspartate Receptor (NMDAR) Encephalitis in Children and Adolescents** *ANNALS OF NEUROLOGY*
Florance, N. R., Davis, R. L., Lam, C., Szperka, C., Zhou, L., Ahmad, S., Campen, C. J., Moss, H., Peter, N., Gleichman, A. J., Glaser, C. A., Lynch, D. R., Rosenfeld, et al
2009; 66 (1): 11-18
- **Clinical Reasoning: A 42-year-old man with sequential monocular visual loss** *NEUROLOGY*
Prasad, S., Moss, H. E., Lee, E. B., Glisson, C. C., Galetta, S. L.
2008; 71 (17): E43-E49
- **Measurement of vocal fold collision forces during phonation: Methods and preliminary data** *JOURNAL OF SPEECH LANGUAGE AND HEARING RESEARCH*
Gunter, H. E., Howe, R. D., Zeitels, S. M., Kobler, J. B., Hillman, R. E.
2005; 48 (3): 567-576
- **Modeling mechanical stresses as a factor in the etiology of benign vocal fold lesions** *JOURNAL OF BIOMECHANICS*
Gunter, H. E.
2004; 37 (7): 1119-1124
- **A mechanical model of vocal-fold collision with high spatial and temporal resolutions**
Gunter, H. E.
ACOUSTICAL SOC AMER AMER INST PHYSICS.2003: 994-1000