



Shannon Beres, MD

- Clinical Associate Professor, Pediatric Neurology
- Clinical Associate Professor (By courtesy), Ophthalmology

CLINICAL OFFICE (PRIMARY)

- **Stanford Byers Eye Institute**

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Bio

CLINICAL FOCUS

- Neuro-ophthalmology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Pediatric Neurology
- Clinical Associate Professor (By courtesy), Ophthalmology
- Member, Maternal & Child Health Research Institute (MCHRI)

PROFESSIONAL EDUCATION

- Medical Education: Virginia Commonwealth University School of Medicine (2009) VA
- Board Certification: Neurology with Special Qualifications in Child Neurology, American Board of Psychiatry and Neurology (2015)
- Residency: UCSF Dept of Child Neurology (2014) CA
- Fellowship: University of Pennsylvania Ophthalmology Fellowships (2015) PA
- Internship: UCSF Pediatric Residency (2011) CA

Research & Scholarship

CLINICAL TRIALS

- Efficacy & Safety of RPh201 Treatment in Patients With Previous Nonarteritic Anterior Ischemic Optic Neuropathy (NAION), Not Recruiting
- Phase 2/3, Randomized, Double-Masked, Sham-Controlled Trial of QPI-1007 in Subjects With Acute Nonarteritic Anterior Ischemic Optic Neuropathy (NAION), Not Recruiting
- Surgical Idiopathic Intracranial Hypertension Treatment Trial, Not Recruiting

Publications

PUBLICATIONS

- **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
 - **Clinical characteristics and visual outcome of pediatric myelin-oligodendrocyte glycoprotein antibody-associated optic neuritis**
Abdul, T., Nisanova, A., Chopra, A., Bugsch, R., Virupakshaiiah, A., Kothapalli, N., Panse, K., Waubant, E., Rasool, N., Beres, S., Liu, Y.
SAGE PUBLICATIONS LTD.2025: 462
 - **Pseudopapilledema Related to Staphylomatous Optic Nerve Elevation in a Child.** *Journal of child neurology*
Silverman, A., Beres, S.
2025: 8830738251328423
 - **Pediatric Myelin-oligodendrocyte glycoprotein associated demyelinating optic neuritis: clinical characteristics and outcomes**
Abdul, T., Nisanova, A., Chopra, A., Bugsch, R., Virupakshaiiah, A., Kothapalli, N., Panse, K., Rasool, N., Beres, S., Liu, Y.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
 - **Agreement and Accuracy of Papilledema and Pseudopapilledema Classification Among Pediatric Neuro-Ophthalmologists Using Optic Disc Photographs.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Phillips, M. J., Reid, M. W., Gaier, E. D., Gise, R. A., Heidary, G., Beres, S. J., Pineles, S. L., Borchert, M. S., Chang, M. Y.
2025
 - **A zebrafish model of crim1 loss of function has small and misshapen lenses with dysregulated clic4 and fgf1b expression.** *Frontiers in cell and developmental biology*
Le, T., Htun, S., Pandey, M. K., Sun, Y., Magnusen, A. F., Ullah, E., Lauzon, J., Beres, S., Lee, C., Guan, B., Hufnagel, R. B., Brooks, B. P., Baranzini, et al
2025; 13: 1522094
 - **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
 - **Author Response: Teaching Video NeuroImage: Infantile Upbeat Nystagmus as an Isolated Presentation ofCACNA1F-Related Retinal Dystrophy.** *Neurology*
Silverman, A., Cheronis, C., Beres, S.
2024; 103 (12): e209667
 - **Author Response: Teaching Video NeuroImage: Infantile Upbeat Nystagmus as an Isolated Presentation ofCACNA1F-Related Retinal Dystrophy.** *Neurology*
Cheronis, C., Silverman, A., Beres, S.
2024; 103 (12): e209684
 - **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
 - **Benign Ocular Flutter.** *The Journal of pediatrics*
Silverman, A., Maran, K., Lin, G. L., Johnson, A., Cheronis, C., Beres, S.
2024: 114229
 - **TUMOR VOLUME IN NEWLY DIAGNOSED OPTIC PATHWAY GLIOMAS ASSOCIATED WITH NF1 (NF1-OPG): PRELIMINARY RESULTS FROM THE INTERNATIONAL MULTICENTER NF1-OPG NATURAL HISTORY STUDY**
Avery, R., Jiang, Z., Parida, A., Listerick, R., Liu, G., Ferner, R., Gutmann, D., de Blank, P., Lasky-Zeid, J., Ullrich, N., Heidary, G., Bornhorst, M., Stasheff, et al
OXFORD UNIV PRESS INC.2024

- **DEMOGRAPHIC, CLINICAL AND IMAGING CHARACTERISTICS OF NEWLY DIAGNOSED OPTIC PATHWAY GLIOMAS ASSOCIATED WITH NF1: RESULTS FROM THE INTERNATIONAL MULTICENTER NF1-OPG NATURAL HISTORY STUDY**
Fisher, M. J., de Blank, P., Listernick, R., Liu, G., Ferner, R., Gutmann, D., Lasky-Zeid, J., Ullrich, N., Heidary, G., Bornhorst, M., Stasheff, S., Rosser, T., Borchert, et al
OXFORD UNIV PRESS 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
- **Trial Design for Identifying Biomarkers of Visual Function in Optic Pathway Gliomas Secondary to Neurofibromatosis Type 1**
Johnson, T., Smith, Z., Garcia, A., Wink, S., Nunez, M., Wynne, N., Jiang, Y., Morgan, J., Norcia, A. M., Beres, S. J., Campen, C. J., Avery, R. A., Goldberg, et al
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Teaching Video Neurolmage: Infantile Upbeat Nystagmus as an Isolated Presentation of CACNA1F-Related Retinal Dystrophy.** *Neurology*
Silverman, A., Cheronis, C., Beres, S.
2024; 102 (9): e209416
- **Ocular features of NGLY1 deficiency from a prospective longitudinal cohort.** *Journal of AAPOS : the official publication of the American Association for Pediatric Ophthalmology and Strabismus*
Frater, C. H., Ruzhnikov, M. R., Beres, S., Alcorn, D., Shue, A., Levy, R. J.
2024: 103925
- **Artificial Intelligence to Differentiate Pediatric Pseudopapilledema and True Papilledema on Fundus Photographs.** *Ophthalmology science*
Chang, M. Y., Heidary, G., Beres, S., Pineles, S. L., Gaier, E. D., Gise, R., Reid, M., Avramidis, K., Rostami, M., Narayanan, S.
2024; 4 (4): 100496
- **Correction to: Risdiplam in Patients Previously Treated with Other Therapies for Spinal Muscular Atrophy: An Interim Analysis from the JEWELFISH Study.** *Neurology and therapy*
Chiriboga, C. A., Bruno, C., Duong, T., Fischer, D., Mercuri, E., Kirschner, J., Kostera-Pruszczyk, A., Jaber, B., Gorni, K., Kletzl, H., Carruthers, I., Martin, C., Warren, et al
2023
- **Inter-rater reliability of Pediatric Papilledema Fundus Photograph Frisen Grading**
Sudharshan, R., Reid, M., Beres, S., Heidary, G., Pineles, S., Chang, M.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023
- **Isolated Sixth Nerve Palsies in a Child With Familial Hemophagocytic Lymphohistiocytosis Type 2.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Chiang, H. H., Fernandez-Pol, S., Bae, G. H., Rieger, K. E., Dahmouh, H. M., Beres, S. J.
2023; 43 (1): 137-140
- **Risdiplam in Patients Previously Treated with Other Therapies for Spinal Muscular Atrophy: An Interim Analysis from the JEWELFISH Study.** *Neurology and therapy*
Chiriboga, C. A., Bruno, C., Duong, T., Fischer, D., Mercuri, E., Kirschner, J., Kostera-Pruszczyk, A., Jaber, B., Gorni, K., Kletzl, H., Carruthers, I., Martin, C., Warren, et al
2023
- **Mimickers of Classical Urticaria: Cryopyrin-Associated Autoinflammatory Syndrome Presenting as Isolated Urticaria in an Infant.** *The journal of allergy and clinical immunology. In practice*
Solomon, B. D., Skaljic, M., Liu, L. Y., Yan, D., Sheahon, K. M., Broderick, L., Hoffman, H. M., Beres, S. J., Brown, R. A., Teng, J. M., Gernez, Y.
2023
- **Bilateral Marcus Gunn jaw-Winking Syndrome in a Neonate with Congenital Neurosyphilis** *JOURNAL OF PEDIATRICS*
Johnson, A., Silverman, A., Segal, J., Beres, S.
2023; 252: 223-224
- **Safety and efficacy of risdiplam in patients with type 1 spinal muscular atrophy (FIREFISH part 2): secondary analyses from an open-label trial.** *The Lancet. Neurology*

- Masson, R., Mazurkiewicz-Beldzinska, M., Rose, K., Servais, L., Xiong, H., Zanoteli, E., Baranello, G., Bruno, C., Day, J. W., Deconinck, N., Klein, A., Mercuri, E., Vlodayets, et al
2022
- **Novel treatments in optic pathway gliomas.** *Frontiers in ophthalmology*
Maheshwari, A., Pakravan, M., Charoenkijakorn, C., Beres, S. J., Lee, A. G.
2022; 2: 992673
 - **Child Neurology: Horner Syndrome in an Otherwise Well-Appearing Infant.** *Neurology*
Silverman, A., Beres, S.
2022
 - **Bilateral Marcus Gunn Jaw-Winking Syndrome in a Neonate with Congenital Neurosyphilis.** *The Journal of pediatrics*
Johnson, A., Silverman, A., Segal, J. B., Beres, S.
2022
 - **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
 - **CRB1-associated retinal dystrophy presenting as self-resolving opsoclonus and posterior uveitis.** *American journal of ophthalmology case reports*
Li, A. S., Pasricha, M. V., Mishra, K., Nguyen, Q. D., Beres, S. J., Wood, E. H.
2022; 26: 101444
 - **Multicolor Imaging of Optic Disc Drusen.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Yan, Y., Pugazhendhi, S., Beres, S. J., Liao, Y. J.
2022
 - **Reply to Letter to the Editor: Atypical Optic Neuritis After COVID-19 Vaccination: Response.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Tugizova, M., Siegel, D. T., Huang, S., Su, E., Subramanian, P. S., Beres, S., Vora, N.
2022
 - **Safety and efficacy of once-daily risdiplam in type 2 and non-ambulant type 3 spinal muscular atrophy (SUNFISH part 2) : a phase 3, double-blind, randomised, placebo-controlled trial** *LANCET NEUROLOGY*
Mercuri, E., Deconinck, N., Mazzone, E. S., Nascimento, A., Oskoui, M., Saito, K., Vuillerot, C., Baranello, G., Boespflug-Tanguy, O., Goemans, N., Kirschner, J., Kostera-Pruszczyk, A., Servais, et al
2022; 21 (1): 42-52
 - **Safety and efficacy of once-daily risdiplam in type 2 and non-ambulant type 3 spinal muscular atrophy (SUNFISH part 2): a phase 3, double-blind, randomised, placebo-controlled trial.** *The Lancet. Neurology*
Mercuri, E., Deconinck, N., Mazzone, E. S., Nascimento, A., Oskoui, M., Saito, K., Vuillerot, C., Baranello, G., Boespflug-Tanguy, O., Goemans, N., Kirschner, J., Kostera-Pruszczyk, A., Servais, et al
1800; 21 (1): 42-52
 - **Case Series: Atypical Optic Neuritis After COVID-19 Vaccination.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Tugizova, M., Siegel, D. T., Huang, S., Su, E., Subramanian, P. S., Beres, S., Vora, N.
2022
 - **Optic chiasm involvement in AQP-4 antibody-positive NMO and MOG antibody-associated disorder.** *Multiple sclerosis (Houndmills, Basingstoke, England)*
Tajfrouz, D., Padungkiatsagul, T., Beres, S., Moss, H. E., Pittock, S., Flanagan, E., Kunchok, A., Shah, S., Bhatti, M. T., Chen, J. J.
2021: 13524585211011450
 - **Risdiplam in Type 1 Spinal Muscular Atrophy.** *The New England journal of medicine*
Baranello, G. n., Darras, B. T., Day, J. W., Deconinck, N. n., Klein, A. n., Masson, R. n., Mercuri, E. n., Rose, K. n., El-Khairi, M. n., Gerber, M. n., Gorni, K. n., Khwaja, O. n., Kletzl, et al

2021

- **Microphthalmia and orbital cysts in DiGeorge syndrome.** *Journal of AAPOS : the official publication of the American Association for Pediatric Ophthalmology and Strabismus*
Chandramohan, A., Sears, C. M., Huang, L. C., Beres, S., Fredrick, D., Kossler, A. L.
2021
- **Feasibility and acceptability of virtually coaching residents on communication skills: a pilot study.** *BMC medical education*
Sasnal, M., Miller-Kuhlmann, R., Merrell, S. B., Beres, S., Kipp, L., Lee, S., Threlkeld, Z., Nassar, A. K., Gold, C. A.
2021; 21 (1): 513
- **ENROLLMENT AND CLINICAL CHARACTERISTICS OF NEWLY DIAGNOSED, NEUROFIBROMATOSIS TYPE 1 ASSOCIATED OPTIC PATHWAY GLIOMA (NF1-OPG): PRELIMINARY RESULTS FROM AN INTERNATIONAL MULTI-CENTER NATURAL HISTORY STUDY**
Fisher, M. J., Liu, G. T., Ferner, R. E., Gutmann, D. H., Listernick, R., de Blank, P., Zeid, J., Ullrich, N. J., Heidary, G., Bornhorst, M., Stasheff, S. F., Rosser, T., Borchert, et al
OXFORD UNIV PRESS INC.2020: 419
- **Risdiplam treatment has not led to retinal toxicity in patients with spinal muscular atrophy.** *Annals of clinical and translational neurology*
Sergott, R. C., Amorelli, G. M., Baranello, G., Barreau, E., Beres, S., Kane, S., Mercuri, E., Orazi, L., SantaMaria, M., Tremolada, G., Santarsiero, D., Waskowska, A., Yashiro, et al
2020
- **Video Teaching NeuroImages: Atypical abnormal eye movements in PNPO-related Epilepsy.** *Neurology*
Pavitt, S., Karamian, A. G., Chattree, G., Klotz, J., Beres, S.
2020
- **Cryopyrin-Associated Periodic Syndrome in Neuro-Ophthalmology.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Harish Bindiganavile, S., Beres, S., Bhat, N., Lee, A. G.
2020
- **50 Years Ago in The Journal of Pediatrics: The Cause of Spasmus Nutans and Congenital Nystagmus: Frozen in Time.** *The Journal of pediatrics*
Beres, S.
2020; 223: 169
- **The Cause of Spasmus Nutans and Congenital Nystagmus: Frozen in Time** *JOURNAL OF PEDIATRICS*
Beres, S.
2020; 223: 169+
- **A Tearfully Painful Darkness.** *Survey of ophthalmology*
Leishangthem, L., Beres, S., Moss, H. E., Chen, J.
2020
- **Update in Pediatric Pseudotumor Cerebri Syndrome.** *Seminars in neurology*
Beres, S. J.
2020
- **Atypical abnormal eye movements in PNPO-related epilepsy**
Pavitt, S., Karamian, A., Chattree, G., Klotz, J., Beres, S.
LIPPINCOTT WILLIAMS & WILKINS.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
- **Anatomic and Thermometric Analysis of Cranial Nerve Palsy after Laser Amygdalohippocampotomy for Mesial Temporal Lobe Epilepsy.** *Operative neurosurgery (Hagerstown, Md.)*
Huang, Y., Leung, S. A., Parker, J. J., Ho, A. L., Wintermark, M., Patel, S. H., Pauly, K. B., Kakusa, B. W., Beres, S. J., Henderson, J. M., Grant, G. A., Halpern, C. H.

2019

- **Unilateral retinitis pigmentosa in children** *JOURNAL OF AAPOS*
Mercado, C. L., Pham, B. H., Beres, S., Marmor, M. F., Lambert, S. R.
2018; 22 (6): 457–61
- **Pseudotumor Cerebri Syndrome is the Best Term for This Condition** *PEDIATRIC NEUROLOGY*
Beres, S. J., Digre, K. B., Friedman, D. I., Liu, G. T.
2018; 87: 9–10
- **Pseudotumor Cerebri Syndrome is the Best Term for This Condition.** *Pediatric neurology*
Beres, S. J., Digre, K. B., Friedman, D. I., Liu, G. T.
2018; 87: 9–10
- **Unilateral retinitis pigmentosa in children.** *Journal of AAPOS : the official publication of the American Association for Pediatric Ophthalmology and Strabismus*
Mercado, C. L., Pham, B. H., Beres, S., Marmor, M. F., Lambert, S. R.
2018
- **Optic Pathway Gliomas Secondary to Neurofibromatosis Type 1** *SEMINARS IN PEDIATRIC NEUROLOGY*
Beres, S., Avery, R. A.
2017; 24 (2): 92–99
- **Pediatric Pseudotumor Cerebri Syndrome: Diagnosis, Classification, and Underlying Pathophysiology** *SEMINARS IN PEDIATRIC NEUROLOGY*
Sheldon, C. A., Paley, G. L., Beres, S. J., McCormack, S. E., Liu, G. T.
2017; 24 (2): 110–15
- **Optic Pathway Gliomas** *JOURNAL OF PEDIATRIC NEUROLOGY*
Beres, S., Avery, R. A.
2017; 15 (1): 15–24