



North American Neuro-Ophthalmology Society

39th Annual Meeting

February 9–14, 2013

Snowbird Ski Resort • Snowbird, Utah

Poster Presentations

Tuesday, February 12, 2013 • 6:00 p.m. – 9:30 p.m.

Authors will be standing by their posters during the following hours:

Odd-Numbered Posters: 6:45 p.m. – 7:30 p.m.

Even-Numbered Posters: 7:30 p.m. – 8:15 p.m.

The Tour of Posters has been replaced with Distinguished Posters. The top-rated posters this year are marked with a "" in the Syllabus and will have a ribbon on their poster board.*

| Poster # | Title | Presenting Author |
|----------|--|---------------------|
| 1* | Redefining Wolfram Syndrome in the Molecular Era | Patrick Yu-Wai-Man |
| 2* | Management and Outcomes of Idiopathic Intracranial Hypertension with Moderate-Severe Visual Field Loss: Pilot Data for the Surgical Idiopathic Intracranial Hypertension Treatment Trial | Rudrani Banik |
| 3* | Correlation Between Clinical Parameters And Diffusion-Weighted Magnetic Resonance Imaging In Idiopathic Intracranial Hypertension | David M. Salvay |
| 4* | Contrast Sensitivity Visual Acuity Defects in the Earliest Stages of Parkinsonism | Juliana Matthews |
| 5* | Visual Function and Freedom from Disease Activity in a Phase 3 Trial for Relapsing Multiple Sclerosis | Laura J. Balcer |
| 6* | Dimensions of the Optic Nerve Head Neural Canal Using Enhanced Depth Imaging Optical Coherence Tomography in Non-Arteritic Ischemic Optic Neuropathy Compared to Normal Subjects | Kevin Rosenberg |
| 7* | Eye Movement Perimetry: Evaluation of Saccadic Latency, Saccadic Amplitude, and Visual Threshold to Peripheral Visual Stimuli in Young Compared With Older Adults | Matthew J. Thurtell |
| 9* | Advanced MRI of Optic Nerve Drusen: Preliminary Findings | Seth A. Smith |
| 10* | Clinical Features of OPA1-Related Optic Neuropathy: A Retrospective Case Series | Philip M. Skidd |
| 11 | The Utility of Orbital Ultrasound in the Diagnosis of Papilledema | Stuart Carter |
| 12 | Longitudinally Extensive Optic Neuritis Distinguishes Neuromyelitis Optica from Multiple Sclerosis | John H. Pula |
| 13 | Thyroid Eye Disease - Pilot Study | Nicholas E. Frisard |
| 14 | Non-Mydriatic Ocular Fundus Photography Among Headache Patients in an Emergency Department | Beau B. Bruce |
| 15 | Replacing the Direct Ophthalmoscope: Diagnostic Accuracy and use of Non-Mydriatic Ocular Fundus Photography by Emergency Department Physicians (Phase II of the FOTO-ED study) | Beau B. Bruce |
| 16 | Saccades and Memory: Baseline Correlations of the King-Devick and SCAT2 Tests in Professional Hockey Players | Stephen J. Moster |
| 17 | Conversion Rate Of Ocular Myasthenia Gravis To Generalized Myasthenia Gravis | Lina Nagia |



North American Neuro-Ophthalmology Society

39th Annual Meeting

February 9–14, 2013

Snowbird Ski Resort • Snowbird, Utah

| Poster # | Title | Presenting Author |
|----------|--|----------------------|
| 18 | Pattern-Reversal Visual Evoked Potential, Visual Field and Nerve Fiber Layer Thickness in Neuromyelitis Optica | Katharina Messias |
| 19 | T and B Lymphocytes Abnormalities in Optic Neuritis in China | Xuefei Liu |
| 20 | Ganglion Cell Layer and Retinal Nerve Fiber Layer Analyses are Both Predictive of Visual Field Recovery Following Resection of Pituitary Adenomas | John J. Chen |
| 21 | Longitudinally Extensive Optic Neuritis in Pediatric Patients | Jennifer S. Graves |
| 22 | Visualization of Wilbrand's Knee | Robert K. Shin |
| 23 | Transient Ocular Motor Nerve Palsies Associated With Cranial Nerve Schwannomas | Robert K. Shin |
| 24 | Pattern of Optic Atrophy in Glaucoma Versus Retrobulbar Optic Neuritis | Kim Jiramongkolchai |
| 25 | Retinal Ganglion Cells Exhibit Spontaneous Hyperactivity and Abnormally Sustained Light-Evoked Responses in a Mouse Model of Traumatic Brain Injury (TBI) | Steven F. Stasheff |
| 26 | Babinski's Other Legacy: Treating Hysterical Blindness with Persuasion | Matthew Fischer |
| 27 | Demographic Associations With Optic Neuritis Outcomes: An Analysis of the Optic Neuritis Treatment Trial | Heather E. Moss |
| 28 | Anatomy and Image Correlation of Subjective Visual Vertical in Patients With Acute Brainstem Lesions | Sun-Young Oh |
| 29 | Müller Cell Function in Neuromyelitis Optica as Measured by Electrophysiologic Testing | Rudrani Banik |
| 30 | Enhanced Depth Imaging Optical Coherence Tomography of Optic Nerve Head Drusen | Rudrani Banik |
| 31 | Retinal Ganglion Cell Layer Thickness in Children with Vision Loss from Optic Pathway Gliomas | Sherry Gu |
| 32 | Meningoceles in Idiopathic Intracranial Hypertension (IIH) | Omer Y. Bialer |
| 33 | Uveitis With Optic Disc Edema Secondary to Concomitant Idiopathic Intracranial Hypertension | Brian Savoie |
| 34 | Pattern Electroretinogram for Detecting Retinal Neural Loss in Neuromyelitis Optica and Multiple Sclerosis Patients With or Without Optic Neuritis. Correlation With OCT and Automated Perimetry | Mário L. R. Monteiro |
| 35 | Ventriculoperitoneal Shunts as a Treatment in Idiopathic Intracranial Hypertension | Timothy W. Winter |
| 36 | Optic Nerve Sheath Decompression: A Surgical Technique With Minimal Operative Complications | Kenneth C. Lao |
| 37 | Occult Pancraniosynostosis Masquerading as Idiopathic Intracranial Hypertension in a Normocephalic Patient During Late Childhood | Ellen B. Mitchell |
| 38 | Cerebrovascular Manifestations in Giant Cell Arteritis | Jennifer Gao |



North American Neuro-Ophthalmology Society

39th Annual Meeting

February 9–14, 2013

Snowbird Ski Resort • Snowbird, Utah

| Poster # | Title | Presenting Author |
|----------|---|---------------------|
| 39 | Magnetic Resonance Diffusion-Weighted Imaging of the Optic Nerve Head in Papilledema | Daniel Gold |
| 40 | The Orbital Volume Measurement in Patients With Ventriculoperitoneal Shunt | SeungEun Lee |
| 41 | Abnormal Thickness of Ganglion Cell-Inner Plexiform Layer in Patients with Alzheimer's Disease and Mild Cognitive Impairment | Jongmin Kim |
| 42 | Visual Outcomes of the Surgical Treatment of Idiopathic Intracranial Hypertension | Prem S. Subramanian |
| 43 | The Effect of Unilateral Strabismus Surgery on Lateral Incomitance in Patients With Exotropia | Paul H. Phillips |
| 44 | Enhanced Image Guided Endoscopic Orbital Surgery Technique | Louise A. Mawn |
| 45 | Optical Coherence Tomography in the Evaluation of Long-Term Hydroxychloroquine Therapy: What does it tell us? | Glen T. D. Thomson |
| 46 | Quantitative Changes in Perimacular Retinal Thickness by Optical Coherence Tomography in Patients on Long-Term Hydroxychloroquine Therapy | Janine L. Johnston |
| 47 | Repeatability of Blood Flow Velocity Measurements of Human Conjunctiva Using the Retinal Function Imager (RFI) | Hong Jiang |
| 48 | Magnetic Resonance Imaging of Superior Oblique Muscle Atrophy in Trochlear Nerve Schwannoma | Micaela Koci |
| 49 | Arteritic and Non-Arteritic Anterior Ischemic Optic Neuropathy: Relative Incidence in Saudi Arabia | Laura T. Phan |
| 50 | Transorbital Approach for Diagnosis of Lesions of the Cavernous Sinus | Steven A. Newman |
| 51 | Use of Posterior Fixation Sutures (Myopexy) to Expand Binocularity: Indications and Limitations | Steven A. Newman |
| 52 | Ocular Motor Abnormalities and Congenital Facial Weakness | Janet C. Rucker |
| 53 | Measuring Retinal Vascular Tortuosity - A Harmonic Analysis-Ergodic Theory Based Approach | Sherry E. Scott |
| 54 | Post Infectious Optic Neuritis: Manifestations in Children Differ From Adults | Daniel Rappoport |
| 55 | Intracranial Pressure Measurements in Astronauts With Optic Disc Edema, Choroidal Folds, and Cotton Wool Patches Following Long Duration Space Flight | Thomas Mader |
| 56 | Serial OCT Examination of the Macula in Normal Patients Talking Hydroxychloroquine | Oded Hauptman |
| 57 | Pallid Disc Edema and Choroidal Perfusion Delay in Post-Hemodialysis Non-Arteritic Ischemic Optic Neuropathy | Nagham Al-Zubidi |
| 58 | Invasive Thymoma Presenting with Ocular Myasthenia Gravis | Nagham Al-Zubidi |
| 59 | First Cases of Dominant Optic Atrophy (DOA) in Saudi Arabia: A Report on a Novel Genetic Mutation | Alberto Galvez-Ruiz |



North American Neuro-Ophthalmology Society

39th Annual Meeting

February 9–14, 2013

Snowbird Ski Resort • Snowbird, Utah

| Poster # | Title | Presenting Author |
|----------|---|---------------------|
| 60 | Idiopathic Sclerosing Orbital Inflammation: Presentation of an Unusual Case with Isolated Bilateral Optic Nerve Involvement | Alberto Galvez-Ruiz |
| 61 | Lambert-Eaton Myasthenic Syndrome And The Eye | Jeffery D. Young |
| 62 | Patients with a Homonymous Hemianopia Able to Drive With the Use of Novel Monocular Sector Prisms | Adam M. Moss |
| 63 | Optic Nerve Tortuosity and Vision Loss in Neurofibromatosis Type 1 | Marc H. Levin |
| 64 | Is There Value to the Use of Brain Atlas in Idiopathic Intracranial Hypertension? | Gabriella Szatmary |
| 65 | Optical Measurement of Craniofacial Autonomic Function | Melissa M. Cortez |
| 66 | Binocular Treatment of Lazy Eye (Amblyopia) | Behzad Mansouri |
| 67 | Simultaneous Paraneoplastic Optic Neuropathy and Ocular Flutter-Myoclonus Syndrome Associated With Lung Adenosquamous Carcinoma and Circulating Collapsin Response-Mediating Protein (CRMP-5) | João Lemos |
| 68 | Downbeat Nystagmus Elicited Only by Eye Closure Caused by a Paramedian Pontine Demyelinating Plaque | João Lemos |
| 69 | Vector Gradient Analysis of Cupping in Optic Atrophy | Jee Ho Chang |
| 70 | Assessment of Smartphone Color Vision Testing | Devin D. Mackay |
| 71 | Castleman Disease Presenting As Psedotumor Cerebri Syndrome | Hanqiu Jiang |
| 72 | Diffusion Weighted Imaging (DWI) and Gadolinium Enhancement in the Differential Diagnosis of NAION and Optic Neuritis (ON) | Ore-ofe O. Adesina |
| 73 | The Ability to Fake a Neurologic Field Defect | Deepta Ghate |
| 74 | Spontaneous Cerebrospinal Fluid (CSF) Leak and Idiopathic Intracranial Hypertension (IIH) | Mario Pérez Rueda |
| 75 | Teaching Ophthalmoscopy to Medical Students (TOTeMS) | Linda Kelly |
| 76 | A Pocket-Sized Screening Tool for Higher Visual Processing Deficits | Clare L. Fraser |
| 77 | Pupillometry of the Swinging Flashlight Test Detects and Quantifies Relative Afferent Pupillary Defects | Liza M. Cohen |
| 78 | Retinal Nerve Fiber Layer Analysis of Cupping in Children Born Prematurely | Lora R. Dagi Glass |
| 79 | Horizontal Gaze Palsy with Progressive Scoliosis and Characteristic MRI Appearance | Lora R. Dagi Glass |
| 80 | The Natural History of Ocular Tics in Children | Esther R. Bisker |
| 81 | Visual Recovery after Decompression of Pituitary Macroadenoma | Ji Woong Chang |
| 82 | Relationship Between Optic Nerve Pallor and Retinal Nerve Fiber Thickness as Explored With Optical Coherence Tomography | Tomas S. Aleman |
| 83 | Autologous Hematopoietic Stem Cell Transplantation in Neuromyelitis Optica | Fiona Costello |
| 84 | The Role of Vitamin D Status in Optic Neuritis - An Update | Fiona Costello |



North American Neuro-Ophthalmology Society

39th Annual Meeting

February 9–14, 2013

Snowbird Ski Resort • Snowbird, Utah

| Poster # | Title | Presenting Author |
|----------|--|--------------------------|
| 85 | Changes in Fixation in Leber's Hereditary Optic Neuropathy: Comparison of Fundus Photographs and Humphrey Visual Fields | Edward R. Chu |
| 86 | Optic Nerve Sheath Meningioma: Retrospective Study About 24 Cases | Cécile Sablon |
| 87 | Callosal Conundrum: Conflicting Perimetry Results after Corpus Callosotomy | Timothy J. Martin |
| 88 | Ruptured Paraclinoid Aneurysm Presenting as Retrobulbar Optic Neuropathy | Sivashakthi Kanagalingam |
| 89 | Bladder Cancer Metastases to the Extraocular Muscle | Sivashakthi Kanagalingam |
| 90 | Optic Chiasmal Abnormality On MRI In Ethambutol Induced Bitemporal Hemianopia | Vivian B. Osaguona |
| 91 | Population Study of Optic Disc Diameter Using OCT in a Neuro-Ophthalmology Practice | Susan C. Benes |
| 92 | Etiology of Recurrent Isolated Sixth Nerve Palsies in Older Adults | Jane W. Chan |
| 93 | Long-Chain 3-Hydroxyacyl-CoA Dehydrogenase (LCHAD) Deficiency and Retinopathy. A Case Report: Over a 14-Year Period of Follow-up | Eliane Delouvrier |
| 94 | Is Pediatric Idiopathic Intracranial Hypertension on the Rise? | Lulu LCD Bursztyn |
| 95 | Multi-Modal Imaging of Nasal Hypoplasia of the Optic Disc | Danielle S. Rudich |
| 96 | Ethambutol Optic Neuropathy in a Hemodialysis Patient on Guideline-Recommended Doses | Lindsey B. De Lott |
| 97 | From William Harvey to Harvey Cushing: Incorporating Emissary Veins on the Cusp of the Final Frontier | Cameron F. Parsa |
| 98 | Asymptomatic Pediatric Idiopathic Intracranial Hypertension | Gena Heidary |
| 99 | The Paroxysmal Ocular Tilt Reaction - Jerk See-Saw Nystagmus: A Delayed Sequela of Meso-Diencephalic Hemorrhage | Elizabeth A. Dale |
| 100 | Vasospastic Amaurosis Fugax Due to Ophthalmic Artery Vasospasm | Eyal Aloni |
| 101 | An Acute Presentation of a Cavernous Hemangioma of the Optic Nerve, Optic Chiasm and Optic Tract | Imran Jivraj |
| 102 | Ophthalmic Ischemia Secondary to Moyamoya Syndrome in Neurofibromatosis Type 1 | Sara Ann Simpson |
| 103 | Idiopathic Intracranial Hypertension In An Adult Female Following A Minor Head Trauma | Fawad A. Khan |
| 104 | Extra-Axonal Ocular Damage Quantification by Multifocal Electroretinography in Chronic Progressive Multiple Sclerosis | Arielle R. Spitze |
| 105 | The Prognosis of Functional Visual Loss in Children and Efficacy of Bottom Up Refraction | Yeon-hee Lee |
| 106 | Ocular Neuromyotonia: Inducible Superior Oblique Myotonia | Ryan J. Whitted |
| 107 | Significance of Anisocoria in the Inpatient Setting | Lauren M. McDonald |
| 108 | Cyclic Oculomotor Nerve Paresis Plus | Klara Landau |
| 109 | Primary CNS Lymphoma Initially Presenting as Progressive Visual Loss | Xiaojun Zhang |



North American Neuro-Ophthalmology Society

39th Annual Meeting

February 9–14, 2013

Snowbird Ski Resort • Snowbird, Utah

| Poster # | Title | Presenting Author |
|----------|---|----------------------|
| 110 | The Effect of Visual Field Loss on Driving Ability | Joseph G. Chacko |
| 111 | Optic Atrophy as a Presenting Sign of Suprasellar Germinoma in a Patient With Klinefelter's Syndrome | Iris Krashin-Bichler |
| 112 | Bilateral Internuclear Ophthalmoplegia in Neuromyelitis Optica Spectrum Disorder | Sean M. Gratton |
| 113 | Reversing Vision Loss and Preventing Optic Atrophy in Leber's Hereditary Optic Neuropathy | Suresh Subramaniam |
| 114 | Post Dural Puncture Headache after Diagnostic Lumbar Puncture in a Male Patient with Intra-cranial Hypertension | John C. Welker |
| 115 | Pelizaeus-Merzbacher Disease Presenting as Infantile Pendular Nystagmus: Potential for Masquerade as Spasmus Nutans | Frank S. Siringo |
| 116 | Extreme Intracranial Hypertension Associated with Abnormal Ocular Motility and Ptosis | Kevin M. Mundy |
| 117 | "Localize This" Lesion | Anna G. Gushchin |
| 118 | Traumatic Avulsion of the Optic Nerve | David A. Shiple |
| 119 | Alport's Syndrome: A Diagnosis Made Easier to Swallow by the Retinal Lozenge | Julene A. McFarlane |
| 120 | Human Adjuvant Disease (HAD) by Silicone Breast Implant (Siliconosis). A Emerging Condition? | Emely Z. Karam |
| 121 | Should We Consider Pilocarpine as Part of Therapy in Patients With Third Nerve Aberrant Regeneration? | Emely Z. Karam |
| 122 | Posterior Cortical Atrophy - Case Report and Retrospective Review | Jennifer J. Lowe |
| 123 | Breast Cancer Metastases to Bilateral Optic Nerve Sheaths in Leptomeningeal Carcinomatosis | Ethan H. Tittler |
| 124 | Complete Bilateral Horizontal Gaze Paralysis as Only Presenting Symptom of Stroke: A Case Report | Maxwell Elia |
| 125 | Syphilitic Optic Neuropathy Mimicking Amarusis Fugax and Ischaemic Optic Neuropathy | Su Ann Lim |
| 126 | Diagnostic Criteria for the Pseudotumor Cerebri Syndrome | Deborah Friedman |
| 127 | Xq26.3 Microdeletion in a Male with Wildervanck Syndrome | Thomas M. Bosley |
| 128 | Severe Bilateral Retrobulbar Optic Neuritis In The Elderly with Uninary Tract Infection | Grace W. Kao |
| 129 | Chari I Malformation and Idiopathic Intracranial Hypertension | Ivy J. Dreizin |
| 130 | Multicenter Inter-rater Reliability of Retinal Layer Segmentation Using Spectral-domain OCT | Ghislaine L. Traber |
| 131 | Orbital Cerebrospinal Fluid Leak Following Pterional Orbitozygomatic Craniotomy | Timothy J. McCulley |
| 132 | Vertical Diplopia from Skew Deviation in a Patient with Thalamic Infarct | Padmaja Sudhakar |
| 133 | A Case of Kaleidoscopic Vision | Philip M. Skidd |



North American Neuro-Ophthalmology Society

39th Annual Meeting

February 9–14, 2013

Snowbird Ski Resort • Snowbird, Utah

| Poster # | Title | Presenting Author |
|----------|---|----------------------|
| 134 | Bilateral Blindness from a Metastatic Abdominal Neuroblastoma | Yuna Rapoport |
| 135 | Cavernous Sinus Syndrome: Where Do You Go From Here? | Angela M. Herro |
| 136 | Diffusion-Weighted Imaging Findings in a Case of Malignant Optic Glioma | Angela W. Kim |
| 137 | More Than Skin Deep | Avneet K. Sodhi |
| 138 | Pach Man: IgG4-Related Pachymeningitis as a Cause of Severe, Bilateral Vision Loss | Courtney L. Kraus |
| 139 | Paraneoplastic Dermatomyositis Associated with CNS Chondrosarcoma | Rebecca C. Stacy |
| 140 | Case Report of Bilateral Compressive Optic Neuropathy Due to Idiopathic Hyperostosis of the Skull | Benjamin Osborne |
| 141 | Limited Wegener's Granulomatosis Presenting with Abduction Deficit in a Teenager | Kimberly M. Wings |
| 142 | Suprasellar Salivary-Gland Like Tumor: An Unlikely Location | Gathline Etienne |
| 143 | Progressive Visual Loss: The Plot Thickens | Ore-ofe O. Adesina |
| 144 | Optic Neuropathy in the Flesh | Claudia E. Bartolini |
| 145 | Chronic Idiopathic Demyelinating Polyneuropathy with Ocular Motor Findings | Avneet K. Sodhi |
| 146 | Deficient Contrast Visual Acuity in Patients with Multiple Sclerosis Degrades Gait Performance Under Conditions of Low Illumination | Shawn W. Adams |
| 147 | Correlation of Peripapillary Retinal Nerve Fiber Layer Thickness (prNFLT) and Macular Thickness (MT) as Measured by spectral domain OCT (SD-OCT) in Patients with Severe Vision Loss in End Stage Optic Neuropathy (ESON) | Joseph P. Sheehan |
| 148 | Homonymous Hemianopia with a Normal MRI: When to Consider Retinal Mimics of Neurologic Disease | Aimee J. Szewka |
| 149 | Characteristics of Patients with Primary Divergence Insufficiency | Joseph Horowitz |
| 150 | Microperimetric Assessment of Scotopic Relative to Photopic Sensitivity to Assist in the Differential Diagnosis of Occult Retinopathy Versus Optic Neuropathy | Steffen Hamann |
| 151 | A Case of Bacterial Meningitis Complicating Unilateral Vestibular Dysfunction and Bilateral Deafness | Jung Hwa Lee |
| 152 | A Case Report of Four and a Half Syndrome | Bahareh Hassanzadeh |
| 153 | Granulomatous hypophysitis masquerading as hemorrhagic pituitary adenoma | Ajay B. Shalwala |

Poster 8 has been withdrawn.