



# North American Neuro-Ophthalmology Society 40<sup>th</sup> Annual Meeting

March 1-6, 2014

Wyndham Rio Mar Beach Resort • Rio Grande, Puerto Rico

## Poster Presentations

Tuesday, March 4, 2014 • 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.*

**Posters will be segregated by category. Poster #'s 1-191 will be located in Rio Mar 6-10.**

**Poster #'s 192-245 will be located in Caribbean 1 (adjacent to Rio Mar 6-10).**

| Poster #   | Title  | Presenting Author  |
|--|--|--------------------|
| <b>Category: Pupil</b>                                     |  |                    |
| 2  | Horner's Syndrome in patients admitted to the Intensive Care Unit that have undergone central venous catheterization : a prospective study | Jasmine Gopwani    |
| 3  | Pupil Cycle Time in optic neuritis.  | Cedric Lamirel     |
| 4  | Afferent Pupillary Defect Assessment In Optic Nerve Pathology  | Haydée S. Martinez |
| 5  | Localizing Value of Ipsilateral Horner's Syndrome and Fourth Nerve Palsy.  | Roberto Ebner      |
| 6  | Sixth Nerve Palsy + Ipsilateral Horner's Syndrome = Parkinson's Syndrome.  | Roberto Ebner      |
| 7  | Benign (May Be Malignant) Episodic Unilateral Mydriasis In A Patient With Hodgkin's Disease!   | Ahmara G. Ross     |
| 8  | A Simple Infrared-Augmented Digital Photography Technique  | Tarek A Shazly     |
| 9  | Unusual Neuro-Ophthalmic Manifestations Of Herpes Zoster Ophthalmicus  | Deeptha Ghate      |
| <b>Category: Misc Motility Disorders (Nystagmus, etc.)</b> |  |                    |
| 10   | Damping of Monocular Pendular Nystagmus with Vibration   | Shin C Beh         |
| 11   | Neuro-ophthalmological Features in Children and Adolescents with Chronic Ataxia in Manitoba, Canada  | Michael S. Salman  |
| 12   | Do Clinical Features in Infantile-onset Saccade Initiation Delay (congenital ocular motor apraxia) Correlate with Brain MRI Findings?      | Michael S. Salman  |
| 13   | Risk of Fractures and Musculoskeletal Injuries in Medicare Beneficiaries with Disorders of Binocular Vision                                | Stacy L Pineles    |
| 14   | Isolated Horizontal EOM deficits in a patient with Platybasia  | Sarkis M. Nazarian |
| 15   | Strabismus Caused by Infantile Orbital Myofibromatosis Originating From An Extraocular Muscle  | Neda Nikpoor       |
| 16   | Congenital Ocular Motor Apraxia with Wheel-Rolling Ocular Torsion-A Diagnostic Sign of Joubert   | Michael C Brodsky  |
| 17   | Ocular Neuromyotonia 23 Years after Stereotactic Radiosurgery  | John H Pula        |
| 18   | Characteristics of Diagnostic Testing in Ocular Myasthenia Gravis  | Crandall E Peeler  |
| 19   | Treatment of Pendular Nystagmus with Gabapentin and Memantine in Patients with Multiple Sclerosis: Functional Aspects                      | Caroline Tilikete  |



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|          | <b>Category: Misc Motility Disorders (Nystagmus, etc.)</b>   |                       |
| 20       | Vestibular Signs of Thiamine Deficiency during the Early Phase of Suspected Wernicke's Encephalopathy  | Jorge C. Kattah       |
| 21       | Differentiating Vertical Misalignment Using Different Head Positions   | Adnan M Subei         |
| 22       | Low Conversion Rate Of Ocular To Generalized Myasthenia Gravis In An Asian Population  | Sharon L Tow          |
| 23       | A Novel Hand Held Instrument for Quantitating Diplopic Visual Fields.  | David Bardenstein     |
| 24       | Unstable Strabismus Secondary to Amyloid Infiltration of the Extraocular Muscles Preceding a Diagnosis of Primary Amyloidosis  | Sara F. Grace         |
| 25       | Torsional Nystagmus in Syringobulbia: An association often listed, but rarely described  | Gregory E Stein       |
| 26       | A 4-Generation Family Case Series of Spinocerebellar Ataxia Type 7   | Erin M. Draper        |
| 27       | Ocular Motor Deficits Induced by Deep Brain Stimulation  | Rachel C. Egan        |
| 28       | Quantifying the Natural History of Postinfectious Ocular Flutter   | Linus D Sun           |
| 29       | Nutritional Optic Neuropathy and Wernicke's Encephalopathy After Bariatric Surgery As a Result of Micronutrient Malnutrition   | Deborah C Parish      |
| 30       | Idiopathic Unilateral Enlargement of the Extraocular Muscles in an Infant  | Yasha S Modi          |
| 31       | Atrophy and Fibrosis of Extraocular Muscles in Anti-Acetylcholine Receptor Antibody Myasthenia Gravis: A Clinicopathologic Case Report   | John Guy              |
|          | <b>Category: Cranial Nerves (Paresis, etc.)</b>  |                       |
| 32       | Sphenoid Sinus Mucocele: The Next Great Mimicker   | Jennifer I Doyle      |
| 33       | Successful Outcomes in Surgical Treatment of Third Nerve Palsy   | Jason H Peragallo     |
| 34       | Orthoptic measurements: how do Canadian ophthalmology residents interpret them in the context of cranial nerve palsy?  | Mary-Magdalene U Dodd |
| 35       | The Effect of 4-aminopyridine on the Velocity Versional Dysconjugacy Index (VDI), an Objective Ocular Motor Metric of Dysconjugacy Associated with INO in MS Patients, During High Precision Escalation in Core Body Temperature | Teresa Frohman        |
| 36       | Aberrant Regeneration of the Abducens Nerve to the Medial Rectus Muscle  | W. Jordan Piluek      |
| 37       | Neuro-ophthalmology Does Windows! Evaluation of Confocal Corneal Microscopy in Normal Subjects, Diabetics and Patients with Neurotrophic Cornea  | John Brinkley         |
| 38       | An Alternative Surgical Treatment of Torsional Diplopia Secondary to Bilateral Superior Oblique Palsy  | Luxme Hariharan       |
| 39       | Ocular Neuromyotonia noted after Recent Botulinum Toxin Injection for Sixth Nerve Palsy following Resection of a Posterior Fossa Skull Based Meningioma  | Luxme Hariharan       |
| 40       | A Squirmly Situation?  | Wesley Chan           |



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|          | <b>Category: Cranial Nerves (Paresis, etc.)</b>   |                    |
| 41       | Unresolved Isolated Abducence Nerve Palsy Presenting As Nasophraynx Adenocystic Carcinoma With Intracranial Extension.    | Sungeun Kyung      |
| 42       | Associated injuries and prognosis in traumatic isolated 3rd, 4th, and 6th cranial nerve palsies                           | Dae Hyun Kim       |
| 43       | Risk factors and clinical features of isolated ischemic 3rd, 4th, and 6th cranial nerve palsies in Korean                 | Dae Hyun Kim       |
| 44       | Clinical Presentations of Perineural Invasion from Squamous cell carcinoma  | Amina Malik        |
| 45       | Bilateral third nerve palsy as a manifestation of Multiple intracranial aneurysms in Klippel-Trenaunay syndrome.          | Emely Z Karam      |
| 46       | A case of Aneurysmal Bone Cyst associated with Fibrous Dysplasia  | Cheryl S Ngo       |
| 46.1     | Isolated Third Nerve Palsy: When More Meets the Eye   | Ahmara G. Ross     |
|          | <b>Category: Retina</b>   |                    |
| 47       | Peripheral cone dystrophy: an unusual and rare form of cone dystrophy   | Michael Vaphiades  |
| 48       | Iatrogenic ophthalmic artery occlusion caused by collagen injection during cosmetic procedure                             | Guohong Tian       |
| 49       | The Injury Response Factor JUN is Expressed in Multiple Retinal Cell Types After Excitotoxic Insult                       | Juan Ayala-Haedo   |
| 50       | A Case of Hemi-central Retinal Artery Occlusion in 12 year-old girl   | Junwon Jang        |
| 51       | Bilateral Central Retinal Vein Occlusion In A Patient With Multiple Myeloma   | An Vo              |
| 52       | A Case Of Rapidly Progressive Carcinoma-Associated Retinopathy Secondary To Metastatic Neuroblastoma In The Adult         | Gerard L. Hershewe |
| 53       | Gap Junctions Propagate Melanopsin-like Responses Among Retinal Ganglion Cells in a Mouse Model of a Macular Degeneration | Steven F. Stasheff |
|          | <b>Category: Posterior Afferent Visual Pathway (Post-Chiasmal)</b>  |                    |
| 54       | Chronic migraine is associated with reduced corneal nerve fiber density and length.                                       | Krista I Kinard    |
| 55       | Rare Primary Central Nervous System Melanoma  | Erin M. Draper     |
| 56       | Homonymous visual field defect showing negative MRI: Crossed Cerebellar Diaschisis  | Ji-Yun Park        |
| 57       | Oculomotor Nerve Palsy In A Patient With Pancreatic Neoplasm  | Tarek A Shazly     |
| 58       | Optical treatment in the Balint Syndrome  | Emely Z Karam      |
| 59       | Neurosurgical Cases with Cortical Vision Loss followed by Improvement   | Bonnie M Keung     |



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|----------|---|---------------------|
|          | <b>Category: Disorders of Vision Processing</b>   |                     |
| 60       | Topiramate Induced Pallinopsia: Case Series Report and Review of Literature   | Samuel H. Yun       |
| 61       | Integrated Visual-Auditory Perception in Amblyopic Adults: A Study Using the McGurk Phenomenon  | Michael J. Wan      |
| 62       | Binocular Inhibition (BI) in Strabismic Patients is Associated with Diminished Quality of Life (QoL)  | Stacy Pineles       |
| 63       | Truth-telling and Nonorganic Vision Loss.   | George Wandling     |
| 64       | Hemifield Slide Phenomenon As a Result of Heteronymous Hemianopia   | Jason H Peragallo   |
| 65       | Validity and Acceptance of Color Vision Testing on Smartphones  | Trisha Emborgo      |
| 66       | Vision Testing is Additive to the Sideline Assessment of Sports-Related Concussion  | Rachel Ventura      |
| 67       | Vision-Based Concussion Testing in a Youth Ice Hockey Cohort: Effects of Age and Visual Crowding  | Jennifer Morganroth |
| 68       | Are prosopagnosic patients truly prosopagnosic? Selectivity for visual object type and sensory modality in acquired deficits of face recognition. | Jason JS Barton     |
| 69       | Learning to read upside-down: a study of perceptual expertise and acquisition, of relevance to rehabilitation of right hemianopic dyslexia        | Jason JS Barton     |
| 70       | Persistent Positive Visual Phenomena Revisited  | Andrew FL Gross     |
| 71       | Alice in Wonderland Syndrome in Posterior Cortical Atrophy  | Julia M Biernot     |
| 72       | Reversal of visual field defect in the posterior cortical atrophy syndrome associated with low pressure hydrocephalus.                            | Katie M. Longardner |
|          | <b>Category: Orbital and Eyelid Disorders</b>   |                     |
| 73       | Third-generation ELISA Thyrotropin-Receptor Antibody Levels as an Adjuvant Tool to Guide Management of Patients with Graves' Orbitopathy          | Hadas Kalish        |
| 74       | A Non-Touch Slit-Lamp Exophthalmometry, A Novel Technique   | Yehoshua Almog      |
| 75       | Acute Tension Orbital Emphysema: Mechanism and Treatment with Needling Decompression  | Eyal Aloni          |
| 76       | Lateral Rectus Muscle Enlargement in Multiple Myeloma   | Naghm Al-Zubidi     |
| 77       | A rare case of SOX2 gene deletion associated with bilateral anophthalmia and complete absence of the visual pathways and septum pellucidum        | Solly Elmann        |
| 78       | A Case Of Traumatic CSF Blepharocoele Presenting As Fluctuating Eyelid Edema  | Lee Katzman         |
| 79       | The "V sign": Severe Tenting of the Globe in a 3 Year Old Patient with Acute Hemorrhage into an Intraorbital Vascular Malformation                | Louise A. Mawn      |
| 80       | Endoscopic Bimanual Approach to an Intraconal Cavernous Hemangioma of the Orbital Apex with Vascularized Flap Reconstruction                      | Suzanne K Freitag   |



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|          | <b>Category: Orbital and Eyelid Disorders</b>   |                      |
| 81       | A Retrospective Review of Bisphosphonate-Induced Orbital Inflammation   | Suzanne K. Freitag   |
| 82       | Infiltrative Optic Neuropathy Caused by Hematologic and Lymphomatous Malignancies (HLM)                                   | Behzad Mansouri      |
| 83       | Ipilimumab-related orbital inflammation and hypophysitis in patients with metastatic melanoma: a brief case series.       | Olga R. Rosenvald    |
| 84       | Bilateral Sequential Optic Neuropathy Secondary to IgG4 Infiltrative Disease  | Sumayya Ahmad        |
| 85       | Giant cell arteritis presenting as bilateral orbital inflammation disease   | Iris Krashin-Bichler |
| 86       | Acute Compressive Optic Neuropathy Due To Spontaneous Orbital Varix Thrombosis  | Steven J. Ryder      |
| 87       | An Unusual Presentation After Blunt Orbitocranial Trauma  | Rashmi Verma         |
| 88       | Eye on the Ball: A Case Report  | Laura Huang          |
| 89       | Orbital Ultrasonographic Findings in Tumors to the Extraocular Muscles  | Giovanni Greaves     |
| 90       | Evaluation of Retinal Nerve Fiber Layer in patients with idiopathic Optic Perineuritis using Optical Coherence Tomography | Soolienah Rhiu       |
| 91       | A Case of Silent Sinus Syndrome Caused by a Dacryocystorhinostomy Presenting as Myasthenia Gravis                         | Peter G Coombs       |
| 92       | Functional Characterization of FOXP1 and Its Possible Pathogenic Role in Thyroid-associated Ophthalmopathy                | An-Guor Wang         |
| 93       | Metastatic B cell lymphoma mimicking Tolosa-Hunt syndrome   | Ellen Mitchell       |
| 94       | Metastatic Carcinoid Tumor Invading The Lateral Rectus Muscle And Compressing The Optic Nerve                             | David B. Lazar       |
| 95       | Blepharospasm in the Pediatric Population   | Krista I Kinard      |
| 96       | Paradoxical Enophthalmos and Orbital Breast Metastasis  | Rachel C. Egan       |
| 97       | Primary Localized Orbital Amyloidosis Involving Extraocular Muscle  | Ming He              |
| 98       | Optic Canal Hemangioblastoma Treated with Canal Decompression in a Patient with von-Hippel Lindau Disease                 | Basil K Williams     |
| 99       | Why Isolated Lateral Rectus Muscle Enlargement is Unique?   | Nagham Al-Zubidi     |
| 100      | Valsalva-Induced Optic Neuropathy   | Ronel N Santos       |
|          | <b>Category: CSF (Intracranial Hypertension, Intracranial Hypotension, etc.)</b>  |                      |
| 101      | Not so indolent: Marginal zone lymphoma with optic nerve infiltration and early chemorefractive meningeal disease         | Sayan Datta          |
| 102      | Current Trends in Pediatric Idiopathic Intracranial Hypertension (IIH): A Multicenter Study of Treatment and Outcomes     | Rebecca A. Shields   |
| 103      | Neuroimaging Features of Idiopathic Intracranial Hypertension Persist After Resolution of Papilledema                     | Brigid K Marshall    |



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|          | <b>Category: CSF (Intracranial Hypertension, Intracranial Hypotension, etc.)</b>  |                    |
| 104      | SPHENOID SINUS EXPANSION: A RADIOGRAPHIC SIGN OF INTRACRANIAL HYPOTENSION AND THE SAGGING BRAIN, SUNKEN EYES SYNDROME   | Timothy J McCulley |
| 105      | Ultrasound Guided Lumbar Puncture in Idiopathic Intracranial Hypertension   | Jean B Kassem      |
| 106      | Pediatric Primary Pseudotumor Cerebri Syndrome (PTCS): New Insights from Detailed Endocrine Assessments   | Claire A Sheldon   |
| 107      | MRI Findings of Elevated Intracranial Pressure in Pseudotumor Cerebri Syndrome with and without Papilledema   | Robert M. Mallery  |
| 108      | Long-term intracranial pressure monitoring and obesity-induced intracranial hypertension in the rat   | Maria S Uldall     |
| 109      | Outcomes from CSF diversion surgery for idiopathic intracranial hypertension  | Simon J Hickman    |
| 110      | Filling In The Blanks. Venous Stenting In IIH   | Steven A. Newman   |
| 111      | A Comparison of Clinical Features of Pseudotumor Cerebri Secondary to Tetracyclines and Idiopathic Intracranial Hypertension  | Matthew A. Miller  |
| 112      | Clinico-Radiological Correlation of Magnetic Resonance Imaging and Ocular Symptoms and Signs in Patients with Idiopathic Intracranial Hypertension.                   | Anastasia Neufeld  |
| 113      | Etiology and Prognosis of Central Vision Loss at Presentation in Idiopathic Intracranial Hypertension   | John J. Chen       |
| 114      | Long-term clinical outcomes as a function of BMI of pseudotumor cerebri patients who have been stented for severe cerebral venous sinus stenosis.                     | Jason N Harris     |
| 115      | Protective effect of the optic nerve sheaths fenestration on optic nerve injury caused by intracranial hypertension in patients with cerebral venous sinus thrombosis | Xuxiang Zhang      |
| 116      | Evidence of multidomain mild cognitive impairment in Idiopathic Intracranial Hypertension   | Anat Kesler        |
| 117      | Asymmetric papilledema in idiopathic intracranial hypertension (IIH)  | Samuel Bidot       |
| 118      | A Novel Superonasal Transconjunctival Approach To Optic Nerve Sheath Decompression Without The Disinsertion Of Extraocular Muscles                                    | Kevin E. Lai       |
| 119      | Persistent Intracranial Hypertension After Successful Drainage Of Colloid Cyst Of The Third Ventricle In A Pregnant Obese Woman                                       | Valerie Elmalem    |
| 120      | Hypophosphatemic Rickets as the Etiology of Papilledema and Early Visual Field Loss from Craniosynostosis   | Dara M. Bier       |



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|          | <b>Category: CSF (Intracranial Hypertension, Intracranial Hypotension, etc.)</b>   |                     |
| 121      | Increased Ocular Pulse Amplitude Associated with Unilateral Absence of the Greater Sphenoid Wing   | Ami A. Shah Vira    |
| 122      | Unusual Cause of Sixth Nerve Palsy and Headache  | Jing L Loo          |
| 123      | Macular Outer Retinal Abnormalities in Severe Papilledema  | Michael Dattilo     |
| 125      | JAK2 V617F mutation associated with cerebral venous thrombosis: a rare cause of intracranial hypertension  | Michelle Y. Wang    |
| 126      | Central Neurocytoma: A Cause of Vision Loss from Delayed Diagnosis of Papilledema  | Rashmi Verma        |
| 127      | Neurosarcoidosis masquerading as meningioma  | Angela M Herro      |
|          | <b>Category: Nerve Fiber Layer and Retinal Testing (OCT, ERG, etc.)</b>  |                     |
| 128      | Utilizing Optical Coherence Tomography in Diagnosing a Unique Presentation of Chiasmal Hypoplasia-variant of Septo-Optic Dysplasia   | Aliza Epstein       |
| 129      | Differentiating Mild Papilledema and Buried Optic Nerve Head Drusen Using Spectral Domain Optical Coherence Tomography   | Kaushal M. Kulkarni |
| 130      | Comparison Of Optic Nerve Head Topography and Retinal Nerve Fiber Layer Thickness in Non-glaucomatous Optic Neuropathy (NGON) and Normal Tension Glaucoma (NTG)                            | Noel C Y Chan       |
| 131      | Reproducibility of Circumpapillary Retinal Nerve Fiber Layer Measurements Using Hand-held Optical Coherence Tomography in Sedated Children with Optic Pathway Gliomas                      | Robert A. Avery     |
| 132      | The relationship between optical coherence tomographic (OCT) and perimetric findings in patients with papilledema  | Mark J Morrow       |
| 133      | Correlation of ganglion cell layer thickness with post-geniculate homonymous visual field loss: evidence for trans-synaptic degeneration   | Jamie R Mitchell    |
| 134      | The use of Spectral Domain Optical Coherence Tomography for differentiating long-standing Central Retinal Artery Occlusion and Nonarteritic Anterior Ischemic Optic Neuropathy             | Gad Dotan           |
| 135      | When OCT May Obscure Pathology   | Steven A. Newman    |
| 136      | Predicting Visual Recovery after Optic Neuritis  | Fiona Costello      |
| 137      | Quality of Life After Optic Neuritis in MS: New Data for the 10-Item Neuro-Ophthalmic Supplement to the NEI-VFQ-25   | Rachel C. Nolan     |
| 138      | Using enhanced-depth imaging optical coherence tomography (EDI-OCT) features to distinguish pseudopapilledema and true papilledema   | Rudrani Banik       |
| 139      | Measurement of Retinal Nerve Fiber Layer and Macular Ganglion Cell-Inner Plexiform Layer with Spectral-Domain Optical Coherence Tomography Device in patients with Optic Nerve Head Drusen | Gema Rebolleda      |
| 140      | Diagnostic Accuracy of Ganglion Cell-Inner Plexiform and Retinal Nerve Fiber Layer Measures from Two Spectral Domain OCTs in Multiple Sclerosis  | Gema Rebolleda      |



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|          | <b>Category: Nerve Fiber Layer and Retinal Testing (OCT, ERG, etc.)</b>  |                        |
| 141      | Comparing the Classic 2 Repetitions Per Second (2RPS) Visually Evoked Potential (VEP) with a New Metric using the Standard 60-Second Arc Check Size Driven by a Binary M-Sequence in a Group of Multiple Sclerosis Patients and Controls | Darrel Conger          |
| 142      | Correlation of Thickness in Optic Disc Optical Coherence Tomography and Clinical Grading System of Papilledema   | Bokkwan Jun            |
| 143      | Hiding In Plain Sight: Uncommon Presentations Of Digoxin Ocular Toxicity   | Dov B. Sebrov          |
| 144      | Relationship between Pattern electroretinogram, Frequency Domain-OCT and Automated perimetry in Chronic papilledema from Pseudotumor Cerebri Syndrome  | Mario L.R. Monteiro    |
| 145      | Macular microcysts in mitochondrial optic neuropathies: a non-specific feature due to vitreous traction  | Giacinto Triolo        |
| 146      | Early macular retinal ganglion cell loss in dominant optic atrophy: genotype-phenotype correlation   | Maria Lucia Cascavilla |
| 147      | Distinctive Patterns of Retinal Ganglion Cell Loss on OCT May Differentiate Various Optic Neuropathies   | Kevin R. Sitko         |
| 148      | Macular Microcystic Changes on OCT in Optic Neuropathy   | Kirstin L Tawse        |
| 150      | The Ganglion Cell Layer: the most useful part of the OCT exam for neuro-ophthalmologists?  | Oded Hauptman          |
|          | <b>Category: Neuro-Imaging (MRI, CT, etc.)</b>   |                        |
| 151      | Imaging and neuroophthalmology: some clues to avoid mistakes   | Vignal Catherine       |
| 152      | Frontal Intracranial Intraparenchymal Schwannoma; A Rare Entity  | Michael Vaphiades      |
| 153      | Risk of Glioma Development in Subjects with Neurofibromatosis Type 1 without Glioma on Initial MRI   | Marc H. Levin          |
| 154      | Incidence of Ophthalmic Artery occlusion following Endovascular Flow Diversion.  | Saleh Lamin            |
| 155      | Utility of brain MRI in the diagnosis of Vogt-Koyanagi-Harada syndrome   | Reuben Mari Valenzuela |
| 157      | The predictive value of brain MRI in acute optic neuritis for developing multiple sclerosis.   | Jette L Frederiksen    |
| 158      | CT Diagnosis of Terson syndrome  | Olga R. Rosensvald     |
| 159      | Brainstem Progressive Multifocal Leukoencephalopathy (PML) presenting with skew deviation  | Joseph R. Berger       |
| 160      | Acute Ophthalmoplegia Due to Brain-Stem Stroke With False-Negative Diffusion-Weighted Imaging.   | Lanning Kline          |
| 162      | Sixth Nerve Palsy and The Clival Marrow Sign   | Cherie A. Farkash      |





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| <b>Category: Neuro-Imaging (MRI, CT, etc.)</b> |   |                        |
| 163  | Using Resting State Functional Magnetic Resonance Imaging to Track Recovery After Optic Neuritis                        | Fiona Costello         |
| 164  | Further Characterization of the Melanopsin-Mediated Pupillary Light Reflex in Multiple Sclerosis                        | Marlen Lucero          |
| 165  | Amaurosis fugax induced by carotid body tumor   | Nafiseh Hashemi        |
| <b>Category: Systemic Disease</b>              |   |                        |
| 166  | Clinical Features, Diagnostic Findings and Treatment of Susac Syndrome: A Case Series                                   | Ivana Vodopivec        |
| 167  | What Lies Beneath: When Unusual Visual Complaints Present With A Normal Exam  | Kara M Cavuoto         |
| 168  | Incidence of Giant Cell Arteritis: Diabetes Mellitus is Not Protective  | Anne S Abel            |
| 169  | Practice Patterns Following Retinal Artery Occlusion  | Anne S Abel            |
| 170  | Cataract Morphology Detected by Schiempflug Anterior Segment Analysis in Subjects with Pre-Clinical Alzheimer Dementia  | Ling Y. Bei            |
| 171  | Demographics of ocular myasthenia gravis  | Elena Bitrian          |
| 172  | Unusual presentation of an isolated III Cranial Nerve palsy from brain metastasis                                       | Reuben Mari Valenzuela |
| 173  | Occult Giant Cell Arteritis Manifesting with a Scalp Ulcer  | Jennifer I Doyle       |
| 174  | Fundus autofluorescence as a marker for retinal ischemia in a patient with giant cell arteritis.                        | Anat B Zipori          |
| 175  | Applying laboratory data in temporal artery biopsy decisions  | Lindsey B De Lott      |
| 176  | The molecular and neuro-ophthalmological features of autosomal recessive spastic ataxia of Charlevoix-Saguenay (ARSACS) | Patrick Yu-Wai-Man     |
| 177  | Pelizaeus-Merzbacher Disease Associated with Retinopathy. One Case Report.  | Eliane Delouvrier      |
| 178  | Familial Neuromyelitis Optica in a Mother and Daughter: Case and Literature Review                                      | Shaheen C. Kavoussi    |
| 179  | A Round-About Diagnosis: How a Metastasis could do anything.  | Anna Gushchin          |
| 180  | Vision Loss and Ocular Movement Disorders in two young women after bariatric surgery.                                   | Idit Maharshak         |
| 181  | Ophthalmic Presentation Of Giant Cell Arteritis In African Americans  | Madhura Tamhankar      |
| 182  | Neuroborreliosis And The Optic Nerve  | Margaret J. Chowaniec  |
| <b>Category: Miscellaneous</b>                 |   |                        |
| 183  | Teaching Ophthalmoscopy to Medical Students (TOTeMS) II: A one-year retention study                                     | Devin D. Mackay        |
| 184  | Nonmydriatic ocular fundus photography among patients with focal neurologic deficits in an emergency department (ED).   | Laurel N. Vuong        |
| 185  | Ocular microvascular function in Cerebral Small Vessel Disease  | Hong Jiang             |



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|          | <b>Category: Miscellaneous)</b>   |                         |
| 186      | Aetiology and Investigation of Adult Acquired Horner Syndrome   | Susan P Mollan          |
| 187      | The Use of Low Vision Accessibility Features on the iPad/iPhone in Patients with Neuro-Ophthalmic Conditions  | Walter M. Jay           |
| 188      | A Multi-Site Assessment of Neuro-Ophthalmology Education and Resident Attitudes toward Methods of Content Delivery  | Evan B. Price           |
| 189      | Anti-aquaporin-4 Antibodies without Optic Neuritis or Transverse Myelitis   | Robert A. Joshua        |
| 190      | Visual fields with interpretation only - a preliminary evaluation   | Victoria Lossen         |
| 191      | Visual Field Rotation as Presumptive Evidence of Ocular Cyclodeviation  | Robert A. Egan          |
|          | <b>Category: Anterior Afferent Visual Pathway (Optic Neuropathy and Chiasm) – Caribbean Ballroom 1</b>  |                         |
| 193      | Bilateral Non-Arteritic Anterior Ischemic Optic Neuropathy in a Patient With a History of Diffuse Large B-cell lymphoma   | David B. Lazar          |
| 194      | Visual Recovery and Optical Coherence Tomography (OCT) Changes Following Treatment of Nonarteritic Anterior Ischemic Optic Neuropathy (NAION) with Levodopa Alone or in Combination with Allopurinol and Tetracycline | Deanna P. Harris Lyttle |
| 195      | Trial Design for an International Phase 2 Study of the Efficacy, Safety and Pharmacokinetics of the Anti-LINGO-1 Monoclonal Antibody, BIIB033, in Subjects With a First Episode of Acute Optic Neuritis               | Laura J Balcer          |
| 196      | Asymptomatic Optic Neuritis in Neuromyelitis Optica and Multiple Sclerosis – a comparison   | Su Ann Lim              |
| 197      | Retinal vessel diameter assessment in papilledema by semi-automated analysis of SLO images: feasibility and preliminary results   | Heather E Moss          |
| 198      | A Longitudinal Analysis of Stroke Risk Following Non-Arteritic Ischemic Optic Neuropathy  | Hilary M Grabe          |
| 199      | Pseudoisochromatic plate testing: are we measuring color vision or something else?  | Prem S. Subramanian     |
| 200      | A Retrospective Study of Chronic Relapsing Inflammatory Optic Neuropathy (CRION)  | Padmaja Sudhakar        |
| 201      | Visual function and retinal nerve fiber layer thickness in Neuromyelitis optica: a longitudinal and comparative study   | Rabih Hage              |
| 202      | Eye movement perimetry for evaluation of visual field loss in patients with glaucoma versus recovered optic neuritis  | Matthew J. Thurtell     |
| 203      | Abnormal Electroretinogram findings in a patient with Neuromyelitis Optica Spectrum Disorder  | Anjali Tannan           |
| 204      | Retrospective Analysis Of Nutritional Optic Neuropathy  | Mariana de Virgiliis    |
| 205      | 25-hydroxyvitamin D levels in optic neuritis and demyelinating disorders. Relation to paraclinical findings and demographic characteristics   | Gorm Pihl-Jensen        |



# North American Neuro-Ophthalmology Society

## 40<sup>th</sup> Annual Meeting

March 1-6, 2014

Wyndham Rio Mar Beach Resort • Rio Grande, Puerto Rico

| Poster # |  | Presenting Author              |
|----------|--|--------------------------------|
|          | <b>Category: Anterior Afferent Visual Pathway (Optic Neuropathy and Chiasm) – Caribbean Ballroom 1</b>   |                                |
| 206      | The socioeconomic consequences of optic neuritis with and without multiple sclerosis: a controlled national study  | Jette L Frederiksen            |
| 207      | Effects of Pentoxifylline on Blood Flow in Patients with Non-Arteritic Ischemic Optic Neuropathy   | Rustum Karanjia                |
| 208      | Characterizing the Pathobiological Mechanisms of Binocular Acuity Summation versus Inhibition in MS: Central Adaptation or Not?                                  | Sara S Qureshi                 |
| 209      | Clinico-Pathological Correlation of the Optic Neuropathy in Familial Dysautonomia  | Carlos E. Mendoza-Santiesteban |
| 210      | Safety and effect of rituximab treatment in pediatric demyelinating disease  | Shannon J Beres                |
| 211      | Retro bulbar optic neuropathy and Bing-Neel syndrome   | Jean-Philippe Woillez          |
| 212      | Compressive Optic Neuropathy Due To A Suprasellar Arachnoid Cyst Presenting With Cupping and Lack Of Optic Disc Pallor   | Jagger C. Koerner              |
| 213      | Excavation of the optic nerve: a characteristic form of the evolution towards optic atrophy in methanol poisoning.   | Alberto Galvez-Ruiz            |
| 215      | Ocular vascular features in mitochondrial optic neuropathies   | Enrico Borrelli                |
| 216      | Assessment of color vision in MS using a smartphone platform   | Sashank Prasad                 |
| 217      | Cyanocobalamin is a Superoxide Anion Scavenger and Neuroprotectant in Neuronal Cells   | Wesley Chan                    |
| 218      | Understanding Optic Neuritis from Murine Models of Multiple Sclerosis  | Oana M. Dumitrascu             |
| 219      | Bilateral Disc Swelling in Renal Failure; Hypertensive Optic Neuropathy or Papilloedema?   | Su Ann Lim                     |
| 220      | Huge anterior cranial fossa Neurenteric Cyst With Unusual Ocular Presenting symptoms : A Case Report   | Supharat Jariyakosol           |
| 221      | Optic Neuropathy due to Intracranial Dolichoectasia– A Case Series   | Jennifer J Lowe                |
| 222      | Visual Outcomes in Pediatric Optic Neuritis  | Michael J Wan                  |
| 223      | Compressive Optic Neuropathy Secondary To Sphenoid Sinus Aspergillosis   | Xiu Ling Tan                   |
| 224      | Acute Optic Neuropathy Is Not Associated with Posttraumatic Stress Disorder contrary to Rhegmatogenous Retinal Detachmen   | Ruth Huna-Baron                |
| 225      | Fabry Disease with Anterior Ischemic Optic Neuropathy  | An-Guor Wang                   |
| 226      | Pituicytoma – A case report  | Amade Bregy                    |
| 227      | Optical Coherence Tomography upon Presentation of Non-Arteritic Anterior Ischemic Optic Neuropathy: Patterns of Edema and Atrophy in Acute and Subacute Disease. | Kathleen A. Thornton           |
| 228      | Management dilemmas for optic nerve glioma with proptosis and visual loss in children  | Hana Leiba                     |



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| 229      | Acquired monocular nystagmus is a common initial presenting sign of a chiasmal glioma in young children  | Nitza Goldenberg-Cohen |
| 230      | DNMT1 mutations are associated with a complex phenotype including optic atrophy, deafness, narcolepsy with cataplexy and peripheral neuropathy.                                    | Chiara La Morgia       |
| 231      | Acute Vision Loss and Choroidal Filling Delay in the Absence of Temporal Arteritis   | Ling Y Bei             |
| 232      | Visual Outcome After Endoscopic Endonasal Surgery In Pediatric Craniopharyngioma   | Amanda L. Way          |
| 233      | Vasospastic Amaurosis Fugax Secondary to Ophthalmic Artery Vasospasm   | Suresh Subramaniam     |
| 234      | Progression of optic atrophy in traumatic optic neuropathy documented by optical coherence tomography(OCT) and fundus photography: Progression of retrograde neuronal degeneration | Yeonhee Lee            |
| 235      | Post-vaccination Bilateral Retrobulbar Optic Neuritis with Leptomeningeal Enhancement in Magnetic Resonance Imaging  | Bokkwan Jun            |
| 236      | ERG and OCT Findings in Herpes Zoster Optic Neuritis – A Case Report   | Katharina Messias      |
| 237      | Aquaporin-4 Antibody-Positive Optic Neuritis In Thai Patients  | Pisit Preechawat       |
| 238      | A Case of Bilateral Optic Disc Edema and Periphlebitis Preceding Cerebral Vasculitis in a patient with Systemic Lupus Erythematosus  | Jason JS Barton        |
| 239      | Orbital Magnetic Resonance Imaging at 3.0 Tesla in a Patient with Toxoplasma Optic Papillitis and Neuroretinitis   | Gerard L. Hershewe     |
| 240      | Laser-induced Optic Neuropathy as A Model to Study Neuro-protection  | Dean M. Cestari        |
| 241      | Optic Nerve Head Meningocele   | Musleh A. Algarni      |
| 242      | The Case of the Vanishing Optic Disc Capillary Hemangioma  | Ahmara G. Ross         |
| 243      | Tracking the Course of Giant Cell Arteritis: Symptoms or Labs?   | Harris Sultan          |
| 244      | Traumatic optic neuropathy by pellet. Three cases.   | Thierry David          |
| 245      | Chiasm glioblastoma with multifocal spread   | J. Alexander Fraser    |