



North American Neuro-Ophthalmology Society

45th Annual Meeting

March 16– March 21, 2019

Red Rock Casino, Resort & Spa • Las Vegas, Nevada

Saturday, March 16

8:00 am -12:00 pm	NANOS Board Meeting	Veranda DE
3:00 pm – 4:30 pm	Optional Symposium- Orbital and Sellar Lesions-Neuro-radiology Pearls and Pitfalls	Veranda AB
6:00 pm - 7:30 pm	Opening Reception (All are welcome!)	Pavilion Ballroom

Sunday, March 17

6:00 am – 6:45 am	Yoga	Veranda F
6:30 am – 7:30 am	Breakfast	Charleston Ballroom
7:30 am – 9:30 am	Frank B. Walsh	Red Rock Ballroom
9:30 am – 10:00 am	Coffee break	
10:00 am – 12:00 pm	Frank B. Walsh (II)	Red Rock Ballroom
12:00 pm – 12:30 pm	Lunch	Charleston Ballroom
12:00 pm – 12:30 pm	Fellowship Directors Committee Meeting	
12:30 pm – 1:00 pm	International Relations Committee Meeting	
12:30 pm – 2:30 pm	Poster Session I: Clinical Highlights	Red Rock Ballroom A-C
12:30 - 1:30 pm	Odd Numbered Posters	
1:30 - 2:30 pm	Even Numbered Posters	
2:30 pm – 3:00 pm	Business Meeting	Red Rock Ballroom
3:00 pm – 5:15 pm	Frank B. Walsh	Red Rock Ballroom
5:30 pm – 6:00 pm	Walsh Committee Meeting	
5:45 pm – 6:45 pm	Members in Training Reception	Veranda F

Monday, March 18

6:00 am – 6:45 am	Yoga	
6:30 am – 7:30 am	Breakfast	
6:30 am – 7:30 am	NOVEL Editorial Board/Curric Committee Mtg	

7:30 am – 9:30 am	New Information I Should Know <i>Moderators: Christian Lueck, PhD, FRACP, FAAN and Claire Sheldon, MD, PhD</i>	Red Rock Ballroom
7:30 am – 7:42 am	Neuro-Immunology, a new specialty- classifications of disorders, Jeff Bennett, MD, PhD	
7:42 am – 8:09 am	Autoimmune encephalitis: GFAP, DPPX, other, Eric Eggenberger, DO, FAAN	
8:09 am – 8:36 am	Ganglioside-related disorders (GQ1b; Miller-Fisher syndrome, CANOMAD), Umapathi Thirugnanam, MBBS	
8:36 am – 9:03 am	New treatments for multiple sclerosis, Sashank Prasad, MD	
9:03 am – 9:30 am	New treatments for migraine, Kathleen Digre, MD	
9:30 am – 10:00 am	Coffee with Exhibitors	
10:00 am – 12:00 pm	Hot Topics: How do I Treat? <i>Moderators: Vivek Patel, MD and Klara Landau, MD</i>	
10:00 am – 10:24 am	Ischemic optic neuropathy from GCA, Fiona Costello, MD, FRCP	
10:24 am – 10:48 am	Ocular myasthenia gravis, Michael Lee, MD	
10:48 am – 11:12 am	MOG positive optic neuritis, John Chen, MD, PhD	
11:12 am – 11:36 am	Headaches in IIH, Deborah Friedman, MD, MPH	
11:36 am – 12:00 pm	Radiation optic neuropathy, Norah Lincoff, MD	
12:00 pm – 1:00 pm	Lunch Break	
12:00 pm – 1:00 pm	WIN (lunch provided)	
1:00 pm – 3:00 pm	Scientific Platform Session I	
3:00 pm - 5:00 pm	YONO Forum	

Tuesday, March 19

6:00 am – 6:45 am	Yoga	
6:30 am – 7:30 am	Breakfast	Charleston Ballroom
6:30 am – 7:30 am	JNO Editorial Board Meeting	
7:30 am – 10:00 am	Scientific Platform Session II	Red Rock Ballroom
10:00 am - 10:30 am	Coffee with Exhibitors	Charleston Ballroom
10:30 am – 12:30 pm	Scientific Platform Session III	Red Rock Ballroom
12:30 pm - 1:00 pm	Lunch	Charleston Ballroom
1:00 pm – 3:00 pm	Poster Session II: Scientific Advancements	Red Rock Ballroom A-C
1:00 - 2:00 pm	Odd Numbered Posters	
2:00 - 3:00 pm	Even Numbered Posters	
3:00 pm – 4:00 pm	Abstract Committee Meeting	

Wednesday, March 20

6:30 am – 7:30 am	Breakfast	Charleston Ballroom
6:30 am – 7:30 am	CME Committee Meeting	
7:30 am – 9:30 am	Retinal Microvascular Changes and Neurologic Disorders	Red Rock Ballroom

*Moderators: Beau Bruce, MD, PhD and Oana Dumitrascu, MD, Msc
Invited Speaker: Tien Y Wong, MBBS, MMED, MPH, PhD, FRCSE, FRANZCO, FAMS*

Retinal microvascular changes are increasingly recognized as diagnostic and prognostic indicators in neurologic diseases. In this session, a comprehensive overview of the epidemiology of retinal microvascular changes in relation to acute and chronic neurologic diseases will be reviewed and established and developing methodologies of evaluating those changes will be discussed. Upon completion of this session, participants should be able to: 1) describe the diagnostic and prognostic significance of retinal microvascular changes in acute and chronic neurologic diseases, 2) discuss state-of-the-art concepts in hypertensive retinopathy, and 3) describe current and emerging technologies for evaluating the retinal microvasculature.

7:30 am - 7:45 am	Retinal Vascular Changes in Acute Neurological Disorders, <i>Beau Bruce, MD, PhD</i>	
7:45 am - 8:25 am	Current Concepts in Retinal Vascular Imaging, <i>Tien Wong, MBBS, MMED, MPH, PhD, FRCSE, FRANZCO, FAMS</i>	
8:25 am - 8:40 am	Retinal Vascular Abnormalities in Cerebrovascular and Neurodegenerative Disorders, <i>Oana Dumitrascu, MD, MSc</i>	
8:40 am - 9:00 am	Artificial intelligence in Retinal Imaging, <i>Tien Wong, MD, PhD, MBBS, MMED, MPH, PhD, FRCSE, FRANZCO, FAMS</i>	
9:00 am - 9:30 am	Q&A	
9:30 am – 10:00 am	Coffee with exhibitors	
10:00 am – 11:25 am	Dizziness, vertigo: just tell me what to do!	Red Rock Ballroom
	<i>Moderators: Dan Gold, DO and David Newman-Toker, MD, PhD</i>	
10:00 am - 10:30 am	Dizziness & Vertigo in the ED - When to Worry, When to Image, When to Admit, <i>David Newman-Toker, MD, PhD</i>	
10:30 am - 11:15 am	Dizziness & Vertigo in the Clinic - When to Test, When to Treat, When to Refer, <i>Dan Gold, DO</i>	
11:15 am - 11:25 am	Q&A	
11:25 am – 12:00 pm	Jacobson Lecture: Leber hereditary optic neuropathy: From bedside to bench to bedside	Red Rock Ballroom
	<i>Speaker: Nancy Newman, MD</i>	
12:00 pm – 12:30 pm	Announcements/JNO/NOVEL Updates	Red Rock Ballroom
12:30 pm- 2:00 pm	Lunch Break	
12:30 pm- 2:00 pm	Research Committee Luncheon	
2:00 pm – 3:45 pm	Optional Symposium- EOM/Vestibular Testing Skills Transfer	Red Rock Ballroom
2:00 pm - 3:45 pm	Optional Symposium- Headache Medicine Update- What a Neuro-ophthalmologist Needs to Know	Pavilion Ballroom
3:45 pm – 5:30 pm	Optional Symposium- Reading an OCT like we read an MRI	Red Rock Ballroom

3:45 pm - 5:30 pm	Optional Symposium- Worldwide wonders: Pavilion Ballroom cases defining the international language of Neuro-ophthalmology
5:45 pm – 6:15 pm	CPNO
6:30 pm – 12:00 am	Banquet Charleston Ballroom

Thursday, March 21

6:30 am – 7:30 am	Breakfast
7:30 am – 9:30 am	How do I Evaluate? Adult versus kid: Does it Matter? Red Rock Ballroom <i>Moderator: Stacy Pineles, MD, MS and Tony Arnold, MD</i>
7:30 am – 7:50 am	Horner syndrome , Aki Kawasaki, MD, PhD and Grant Liu, MD
7:50 am – 8:10 am	Isolated optic neuritis , Chris Glisson, DO, MS and Jason Peragallo, MD
8:10 am – 8:40 am	Third nerve palsy , Karl Golnik, MD, MEd and Paul Phillips, MD
8:40 am – 9:10 am	Papilledema , Collin McClelland, MD and Robert Avery, DO, MSCE
9:00 am – 9:30 am	General Discussion
9:30 am – 10:00 am	Coffee break
10:00 am – 12:00 pm	Current concepts in eye movement disorders In kids: Case-based potpourri Red Rock Ballroom <i>Moderators: Mark Borchert, MD and Gena Heidary, MD, PhD</i>
10:00 am - 10:20 am	Essential Infantile Esotropia , Michael Brodksy, MD
10:20 am - 10:35 am	Congenital Oculomotor Apraxia , Jane Edmond, MD
10:35 am - 10:50 am	Duane Syndrome , Mark Borchert, MD
10:50 am - 11:10 am	Congenital Cranial Dysinnervation Disorders , Gena Heidary, MD, PhD
11:10 am - 11:25 am	Moebius Syndrome , Shannon Beres, MD
11:25 am - 11:45 am	Neuromuscular Disorders affecting Eye Movement in Children , Veeral Shah, MD, PhD
11:45 am - 12:00 pm	Panel Discussion and Audience Questions