

47th ANNUAL MEETING AMERICAN SOCIETY OF NEUROIMAGING



MYRTLE BEACH

Marriott Myrtle Beach Resort & Spa at Grande Dunes



Annual Meeting of the American Society of Neuroimaging

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About ASN

The American Society of Neuroimaging (ASN) is an international, professional organization educating & representing neurologists, APPS, neurosurgeons, neuroradiologists, residents, fellows, technologists and other neuroscientists who are dedicated to the advancement of techniques used to evaluate the nervous system, since 1977.

Mission

To provide neuroimaging, and informatics education, certification, support, and guidance to neurologists and other neuroscience clinicians, technologists, sonographers, and researchers.

Vision

To ensure all individuals with neurological disorders have access to experts in neuroimaging and neurosonology.

The American Society of Neuroimaging (ASN) is an active member of the House of Delegates (HOD) of the American Medical Association (AMA). The HOD is the principal policy-making body of the AMA.

Goals

The American Society of Neuroimaging (ASN) is an international, professional organization of clinicians, technologists and research scientists who are dedicated to education, advocacy and research to promote neuroimaging as crucial to the treatment and investigation of disorders of the nervous system. The ASN supports the right of qualified physicians to utilize neuroimaging modalities for the evaluation and management of their patients, and the right of patients with neurological disorders to have access to appropriate neuroimaging modalities and to physicians qualified in their use and interpretation. The ASN supports clinical and basic science research by neuroimagers through educational programs, an annual meeting and a scientific journal.

The goal of the ASN is to promote the highest standards of neuroimaging in clinical practice, thereby improving the quality of medical care for patients with diseases of the nervous system. This goal is accomplished through:

- Presenting scientific and educational programs at an annual meeting and through the promotion of fellowships, preceptorships, tutorials and seminars related to neuroimaging
- Publishing a scientific journal
- Formulating and promoting high standards of practice and setting training guidelines
- Evaluation of physician competency through examinations
- Emphasis is placed on the correlation between clinical information and neuroimaging data to provide the most effective and efficient use of imaging modalities for the diagnosis and evaluation of diseases of the nervous system

The ASN will continue to develop training and practice guidelines related to neuroimaging for 1) physicians in practice who currently use or wish to use neuroimaging; 2) physicians in residency or fellowship training; and 3) healthcare entities responsible for defining or allocating professional privileges and credentialing to individual physicians.

2024 ASN Board and Committee Leaders

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Aarti Sarwal, MD, FNCS, FAAN, FCCM, FASN, RPNI
Editor-in-Chief, Neuroimaging

Welcome ASN 2024!

This 2024 program, located in beautiful Myrtle Beach, targets neuroimaging educational tracks for those planning to advance their career. Topics covered include neuroimaging in movement disorders and epilepsy, MRI Hot Topics, Thrombectomy procedures, neurovascular ultrasound, acute stroke imaging, imaging associated with brain injuries and Aneurysmal Subarachnoid Hemorrhage applicable in all acute care settings. Additionally, we will be delivering in-depth coverage of ultrasonography including topics for certification preparation. Furthermore, the ASN will have low-cost basic and advanced TCD hands-on workshops for learners at all stages.

We would also like to remind you that, in addition to clinical and basic science research by neuroimagers through our annual meetings, we are expanding our certification, fellowship and preceptorship programs to provide more in-depth and immersive training. Biweekly webinars provide continuous topical updates with CME credits and will soon be available in our online education center.

Finally, we are excited to announce we now have two scientific journals: our flagship internationally recognized Journal of Neuroimaging is conveniently available in print and online as part of membership; the new open access journal, Clinical Neuroimaging, is free and available entirely online. The new journal will feature new forms of digital tools such as dynamic imaging and infographics.

Please know that our membership welcomes students, trainees, APPs, sonographers, scientists, industry, and practicing physicians to join us to learn, appreciate and leverage the exciting field of neuroimaging.

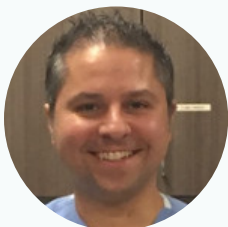
As an active member of the House of Delegates of the American Medical Association, we encourage all our eligible members to also join AMA to help advocate for our mission.

Enjoy your time in Myrtle Beach. We look forward to seeing you here, and at our 2025 Annual Meeting in Dallas, January 17-19, 2025.

Sincerely,



Joseph Fritz, PhD,
President



Ryan Hakimi, DO, MS, NVS, RPNI,
CPB, FNCS, FCCM, Vice President
& Program Chair

CE Information and Disclosure Statement

Acknowledgement of Financial Commercial Support

No financial commercial support was received for this educational activity.

Acknowledgement of In-Kind Commercial Support

No in-kind commercial support was received for this educational activity.

Satisfactory Completion

Learners must complete an evaluation form to receive a certificate of completion. Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available. If you are seeking continuing education credit for a specialty not listed below, it is your responsibility to contact your licensing/certification board to determine course eligibility for your licensing/certification requirement.

Joint Accreditation Statement

In support of improving patient care, this activity has been planned and implemented by Amedco LLC and American Society of Neuroimaging. Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Amedco Joint Accreditation Provider Number: 4008163

Physicians

ACCME Credit Designation Statement

Amedco LLC designates this live activity for a maximum of 17.75 AMA PRA Category 1 Credits™ for physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Objectives - After Attending This Program You Should Be Able To

1. Recognize, identify, differentiate and interpret diseases of the nervous system based on interpretations of neuroimages.
2. Using clinical data identify the correlation of the data with information derived from the various methods used to image the nervous system and related structures to treat various disorders of the nervous system.
3. Review ultrasound techniques and discuss the recent advances and new technologies.

Disclosure of Conflict of Interest

The following table of disclosure information is provided to learners and contains the relevant financial relationships that each individual in a position to control the content disclosed to Amedco. All of these relationships were treated as a conflict of interest, and have been resolved. (C7 SCS 6.1-6.2, 6.5)

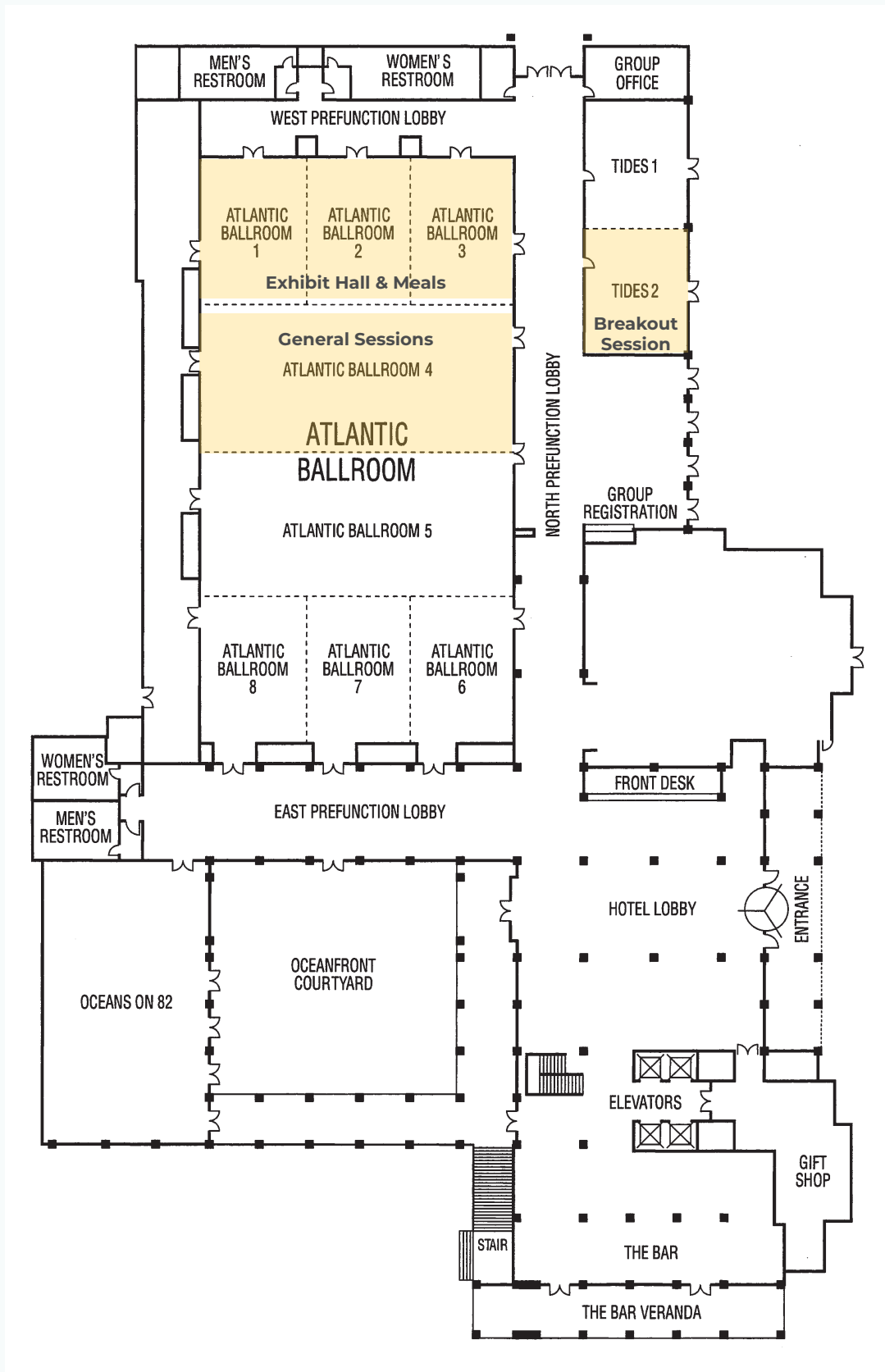
All individuals in a position to control the content of CE are listed in the program book. If their name is not listed below, they disclosed that they had no financial relationships with a commercial interest.

How to Get Your Certificate

1. Go to asn.cmcertificateonline.com
2. Click on the 2024 American Society of Neuroimaging Annual Meeting link.
3. Evaluate the meeting.
4. Print, download, or save your certificate for your records.
5. If you lose your certificate, or need help, go to help.cmcertificateonline.com

Name	Commercial Interest: Relationship
Sairah Bashir	medtronic:Consultant
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Camilo Gomez	NA
Maggie Gruennert	NA
Zain Guduru	NA
Ryan Hakimi	NA
Archana Hinduja	NA
Spencer Hutto	NA
Nidhi Kapoor	NA
Muhib Khan	NA
Jacqueline Kraft	NA
Christopher Kramer	NA
Paul Maertens	NA
Ali Mansour	NA
Joe Masdeu	Biogen, Lilly, Eisai:Research Grant Site Principal Investigator
Kaytlyn Oelke	NA
Saniya Pervin	NA
George Plotoni	NA
Rakesh Shetty Rajalbandi	NA
Tamra Rasinghe	NA
Brenda Rinsky	NA
Mark Rubin	NovaSignal:Consultant
Jeffrey Sachs	GE Healthcare:Scientific/Medical Advisory Board Member
Jawad Shahid	NA
Rohan Sharma	NA
Matt Sharrock	NA
Lavee Singla	NA
Ammar Tarabichi	NA
Partha Thirumala	NA
Ryan Dixon	NA

Map of the Space



Program at a Glance

subject to change


CME Credit Key



Ultrasound CME

Friday, January 12 | 8:00 AM - 7:00 PM

8:00 am–9:00 am **Breakfast** | [Atlantic Ballroom 1-3](#)
Certifications in Neuroimaging and Neurosonology
Neuroimaging Fellowship Panel: The Evolution and Practice Priorities

9:00 am–9:45 am  **Neuroimaging in Brain Death** | [Atlantic Ballroom 4](#)
Chris Kramer, MD;
Mayo Clinic Florida

9:45 am–10:30 am **AI in Neuroimaging of Acute Brain Injury** | [Atlantic Ballroom 4](#)
Ali Mansour, MD
University of Chicago

10:30 am–11:45 am **Role of Cisternal Hemorrhagic Volume in Prediction Modeling of Outcomes in Aneurysmal Subarachnoid Hemorrhage** | [Atlantic Ballroom 4](#)
Rohan Sharma, MD;
Mayo Clinic Florida

11:15 am–12:00 pm **Break with Exhibitors** | [Atlantic Ballroom 1-3](#)

12:00 pm–1:00 pm **ASN Update Lunch Symposium** | [Atlantic Ballroom 1-3](#)


1:00 pm–1:30 pm **Break with Exhibitors** | [Atlantic Ballroom 1-3](#)

1:30 pm–2:15 pm **Neuroimaging in Movement Disorders** | [Atlantic Ballroom 4](#)
Zain Guduru, MD, FAAN, FANA
University of Kentucky

2:15 pm–3:00 pm **Multimodal Neuroimaging in Epilepsy** | [Atlantic Ballroom 4](#)
Nidhi Kapoor MD, M.B.B.S.;
Mayo Clinic Florida

3:00 pm–3:45 pm **Neuroimaging in Cognitive Neurology Therapies** | [Atlantic Ballroom 4](#)
Joseph Masdeu, MD
Houston Methodist Neurological Institute

3:45 pm–4:00 pm **Break with Exhibitors** | [Atlantic Ballroom 1-3](#)

4:00 pm–5:00 pm  **TCD is the Superior Screen for RLS: Final Results of BUBL & Clinical Implications** | [Atlantic Ballroom 4](#)
Mark N Rubin, MD, RPNi, NVS
Edward Hines, Jr. VA Medical Center

5:00 pm–7:00 pm **Welcome Reception Sponsored by Image Monitoring** | [Atlantic Ballroom 1-3](#)

Image Monitoring USA

Saturday, January 13 | 7:00 AM - 6:30 PM

7:00 am–9:00 am  **TCD Workshop (Breakfast Included)** | [Tides 2](#)

7:00 am–8:00 am **Breakfast** | [Atlantic Ballroom 1-3](#)

9:00 am–11:15 am Breakout Sessions

9:00 am–11:15 am

Imaging Cases and Clinical Pearls from Neurohospitalist Practice | [Atlantic Ballroom 4](#)

*Sairah Bashir, MD
INOVA Fairfax*

9:45 am–10:30 am

Case Based Studies When Neuroimaging Saved the Day | [Atlantic Ballroom 4](#)

*Archana Hinduja, MD, RPNi;
Ohio State University*

10:30 am–11:15 am

Hot Topics in MRI | [Atlantic Ballroom 4](#)


*Joseph Fritz, PhD
ASN President*

9:00 am–11:15 am

 You Should Be Using TCD Intraoperative Monitoring | [Tides 2](#)


*Partha Thirumala, MD
University of Pittsburgh Medical Center*

9:45 am–10:30 am

 Waveforms never lie: Case presentation of my favorite cases in Neurosonology | [Tides 2](#)

*Zsolt Garami, MD, RPNi
Houston Methodist Hospital*

10:30 am–11:15 am

 Cerebral Vasomotor Reactivity Testing in the Middle Cerebral Artery Using Transcranial Doppler to Assess Brain Dysregulation in Long Haul COVID Patients | [Tides 2](#)

*George Plotkin, PhD, MD
UT Health East Texas Neurological Institute*

11:15 am–11:45 am **The Orbit: A Gateway to the CNS and Beyond** | [Atlantic Ballroom 4](#)

*Jeffrey R Sachs, MD;
Wake Forest University School of Medicine*

11:45 am–12:15 pm **Break with Exhibitors and Poster Viewing** | [Atlantic Ballroom 1-3](#)

12:15 pm–1:15 pm **Lunch Symposium Sponsored by Horizon** | [Atlantic Ballroom 1-3](#)



1:15 pm–1:30 pm **Break with Exhibitors and Poster Viewing** | [Atlantic Ballroom 1-3](#)

1:30 pm–3:00 pm Breakout Sessions

1:30 pm–2:15 pm

Cranial and Spinal CSF Leak Syndromes: An Imaging Review | [Atlantic Ballroom 4](#)

*Ammar Tarabichi, MD
Dent Neurologic Institute*

2:15 pm–3:00 pm

Imaging Predictors of Stroke Recovery | [Atlantic Ballroom 4](#)

*Muhib Khan, MD, RPNi
Mayo Clinic, Rochester, MN*

1:30 pm–2:15 pm

 Introducing Neonatal Echoencephalography | [Tides 2](#)

*Paul Maertens, MD
University of South Alabama*

2:15 pm–3:00 pm

 Ultrasound Talk | [Tides 2](#)

*Ryan Hakimi, DO, MS, NVS, RPNi, CPB, FNCS, FCCM, FAAN
Prisma Health-Upstate*

3:00 pm–3:30 pm **Break with Exhibitors and Poster Viewing** | [Atlantic Ballroom 1-3](#)

3:30 pm–4:15 pm **Recorded Thrombectomy Procedure** | [Atlantic Ballroom 4](#)

*Camilo Gomez, MD, RPNi
University of Missouri*

4:15 pm–5:00 pm **Poster Presentations** | [Atlantic Ballroom 4](#)

Ictal SPECT In Patients with Focal Aware Seizure without Ictal EEG Changes: Single Center Experience

*Saniya Pervin, MD
University of Kentucky, Lexington, KY*

Correlation of MBP with lowest MVI and highest PI in POTS or PSWT patients

*Jawad Shahid, MD
The Heartbeat Clinic, Mckinney, TX*

Reversal of Ischemic Core on CT Perfusion in Acute Ischemic Stroke Patients Following Mechanical Thrombectomy

*Rakesh Shetty Rajalbandi
University of Missouri, Columbia, MO*

5:00 pm–6:30 pm **President's Reception** | [Atlantic Ballroom 1-3](#)

Sunday, January 14 | 8:00 AM - 11:30 AM

8:00 am–9:00 am **Breakfast** | [Atlantic Ballroom 4](#)

8:00 am–9:00 am **Sessions** | [Atlantic Ballroom 4](#)

ASN Journal Panel

MRI Articles

*Matt Sharrock, MD;
University of North Carolina at Chapel Hill*

CT Based Articles

Tamra Ransinghe, MD

Angiography Based Articles

*Kelsey Rose Duncan, MD, MBA, RPNi;
Case Western Reserve University & Univ Hospitals Cleveland Medical Center*

9:30 am–10:15 am **Neuroimaging as a Guide to Diagnosis in Myelopathy** | [Atlantic Ballroom 4](#)

*Spencer Hutto, MD;
Emory University School of Medicine*

10:15 am–10:45 am **When a Stroke isn't a Stroke: A Review of Neuromyelitis Optica Presentation and Imaging** | [Atlantic Ballroom 4](#)

*Jackie Kraft, MD;
Emory University*

10:45 am–11:30 am **Evaluation of Epileptic Disorders Neuromaging Case Studies** | [Atlantic Ballroom 4](#)

*Laveena Singla, MD;
University of Mississippi Medical Center*

Thank you to our Sponsors & Exhibitors!

Lunch Symposium Sponsors



Reception Sponsor



Exhibitors



Annual Meeting Objectives

	Be familiar with deployment of ML and AI in imaging of acute brain injury.
	Specific examples in the context of perivascular space identification, HIBI prediction, GSW to the head imaging.
	Decide when an ancillary test is required or would be beneficial in brain death testing.
	Anticipate the potential pitfalls associated with the use of ancillary testing in brain death.
	Describe the importance of neuroimaging studies in the evaluation of epileptic disorders.
	Discuss how neuroimaging results influence treatment decisions and patient management.
	Recognize Imaging Predictors of Recovery after stroke.
	Understand Future Direction of research pertaining to imaging of stroke recovery.
	Discuss Neuroimaging to guide diagnosis in Myelopathy.
	Appraise Neuroimaging of vascular pathologies.
	Identify imaging characteristics for neuromyelitis optica.
	Know the diagnostic criteria of neuromyelitis optica
	List the various neuroimaging imaging modalities used in epilepsy patients.

	List the neuroimaging techniques used in epilepsy surgery planning.
	Understand the echogenic pattern of the various brain structures depends on the angle of insonation.
	Use power duplex echoencephalography to improve recognition of normal and pathologic anatomy.
	Identify orbital abnormalities that occur in conjunction with CNS inflammatory processes.
	Recognize patterns of extra-ocular muscle enlargement.
	Describe the common ways in which demyelinating, rheumatologic, paraneoplastic, and infectious diseases affect the spinal cord.
	Utilize abnormalities on MRI of the spine in combination with time to disease nadir to prioritize the differential diagnosis of myelopathy.
	Describe various movement disorders cases and associated neuroimaging.
	Discuss when neuroimaging should be obtained in cases with movement disorders.
	Identify TCD waveforms correlations with carotid waveforms.
	Understand TCD cases compared to other imaging.



Horizon is a global biotechnology company focused on the discovery, development and commercialization of medicines that address critical needs for people impacted by rare, autoimmune and severe inflammatory diseases. Our pipeline is purposeful: We apply scientific expertise and courage to bring clinically meaningful therapies to patients. We believe science and compassion must work together to transform lives. For more information on how we go to incredible lengths to impact lives, visit www.horizontherapeutics.com and follow us on Twitter, LinkedIn, Instagram and Facebook.

Image Monitoring USA

Image Monitoring USA provides Innovative Ergonomic TCD and Physiologic Peripheral Vascular Diagnostic Testing Systems to clinics and hospitals across the USA. With our experienced Vascular Consultants, we can support and service your diagnostic vascular testing needs. We offer several ways to increase your facilities diagnostic testing capabilities and revenue.

Neurovascular Specialist (NVS) Credential

is now accepted as an appropriate Technical Director/technical staff credential for facilities applying for **IAC Vascular Testing accreditation** (Extracranial and/or Intracranial Cerebrovascular Testing).



Visit intersocietal.org/vascular to view the *IAC Standards* or asnweb.org for details about the NVS credential.

Sponsored Lunch Presentation



Lunch Symposium

Sponsored by Horizon Therapeutics

Saturday, January 13, 2024 | 12:15pm-1:15pm | *Atlantic Ballroom 4*

UPLIZNA: Spotlight on an Effective NMOSD Treatment with an Established Safety Profile

Presented by: Gabriella Szatmáry, M.D, Ph.D.

About the Speaker

With more than 30 years of experience, Gabriella Szatmáry, MD, PhD, is a leading neuro-ophthalmology and neuroimaging specialist. At NeuroVisionary PLLC in Gulfport, Mississippi, she offers comprehensive, individualized, and expedited diagnosis and treatment of neuro-ophthalmological problems. Dr. Szatmáry focuses on the vision and the mind, and how they interact. She also concentrates on how the vision and spine are connected and how their effect on perceptual vision. Many patients with double vision or sudden vision loss come to her for help. She often provides answers where other doctors do not, and frequently gives second, third, and fourth options. Dr. Szatmáry earned her medical degree at Semmelweis University-Medicine and Health Sciences in Hungary, and went on to the University at Buffalo Academic Health Center in Buffalo, New York, to complete her neurology residency. After her residency, Dr. Szatmáry completed a fellowship in neuro-ophthalmology at Emory University Hospital in Atlanta, Georgia, and has additional fellowship training in neuroimaging, giving her a unique and extensive skill set. Dr. Szatmáry also has a PhD in functional MRI. She is board-certified in neuroimaging and neurology. Drawing upon her extensive education and specialized skills, Dr. Szatmáry integrates multiple clinical tools to establish an accurate diagnosis and implement optimal treatment plans. Dr. Szatmáry collaborates with other researchers, including the esteemed Bascom Palmer Eye Institute in Florida. She is an affiliate faculty member at the prestigious University of Mississippi Medical Center Department of Ophthalmology.

ASN 2023 Annual Meeting Faculty

B

Sairah Bashir, MD

INOVA Fairfax
Vienna, Virginia

D

Kelsey Rose Duncan, MD, MBA, RPNI

Case Western Reserve
University & University Hospitals
Cleveland Medical Center
Medical Center
Cleveland, Ohio

F

Joseph Fritz, PhD

Buffalo, New York

G

Zsolt Garami, MD, RPNI Houston

Methodist Hospital
Houston, Texas

Camilo Gomez, MD

University of Missouri Columbia
Columbia, Missouri

Zain Guduru, MD, FAAN, FANA

University of Kentucky
Lexington, Kentucky

H

Ryan Hakimi, DO, MS, NVS, RPNI, CPB, FNCS, FCCM, FAAN

Prisma Health-Upstate
Greenville, South Carolina

Archana Hinduja, MD, RPNI

Ohio State University
Columbus, Ohio

Spencer Hutto, MD

Emory University School of
Medicine
Atlanta, Georgia

K

Nidhi Kapoor, MD, MBBS

Mayo Clinic Florida
Jacksonville, Florida

Muhib Khan, MD, RPNI

Mayo Clinic
Rochester, Minnesota

Jackie Kraft, MD

Emory University
Atlanta, Georgia

Chris Kramer, MD

Mayo Clinic Florida
Jacksonville, Florida

M

Paul Maertens, MD, RPNI

University of South Alabama
Mobile, Alabama

Ali Mansour, MD

University of Chicago
Chicago, Illinois

Joe Masdeu, MD

Houston Methodist
Neurological Institute
Houston, Texas

P

George Plotkin, MD

UT Health East Texas
Neurological Institute
Tyler, Texas

R

Tamra Ransinghe, MD, FAHA

Wake Forest School of Medicine
Winston-Salem, North Carolina

Mark Rubin, MD, MD, RPNI

Edward Hines, Jr. VA Medical
Center; Loyola University
Medical Center Stritch School of
Medicine
Hines, Illinois

S

Jeffrey Sachs, MD

Wake Forest School of Medicine
Winston-Salem, North Carolina

Rohan Sharma, MD

Mayo Clinic
Jacksonville, Florida

Matthew Sharrock, MD

University of North Carolina at
Chapel Hill
Chapel Hill, North Carolina

Laveena Singla, MD

University of Mississippi Medical
Center
Jackson, Mississippi

T

Ammar Tarabichi, MD

Dent Neurologic Institute
Buffalo, New York

Partha Thirumala, MD

University of Pittsburgh Medical
Center
Pittsburgh, Pennsylvania

Abstract Index

Poster Session

Saturday, January 13, 2024

4:00pm-5:00pm

**Posters will be on display for the duration of Saturday, January 13th*

P1: Automated Detection of Middle Cerebral Artery Stenosis in Transcranial Doppler Ultrasound Using Convolutional Neural Networks

Yong-Jae Kim

Eunpyeong St. Mary's Hospital, The Catholic University of Korea, Seoul, Republic of Korea

P2: Critical Convergence: The Enigma of Shoshin Beriberi Amid Multifaceted Illness

Ramit Singla¹, Chetan Saini², Ana Claudia Benevides Tadinac¹, Prabhmallikarjun Patil², Savdeep Singh³

¹Medical University of South Carolina, Columbia, USA. ²Emory University, Atlanta, USA.

³University of Arizona, Phoenix, USA

P3: Gazing Into the Depths: A Comprehensive Systematic Review of Wall-Eyed Bilateral Internuclear Ophthalmoplegia (WEBINO) Syndrome

Ramit Singla¹, Dhaivat Shah², Aakanksha Pitliya³, Ana Claudia Tadinac¹, Prabhmallikarjun Patil⁴, Chetan Saini¹

¹Medical University of South Carolina, Columbia, USA. ²Icahn Sch of Med at Mount Sinai, New York, USA. ³Pamnani Hosp and Res Ctr, Mandasaur, India. ⁴Emory University, Atlanta, USA

P4: Rapid Fluctuations in Cerebrospinal Fluid Pressure and the Affinity to Corpus Callosum Lesions

Paras Patel¹, Kunal Desai²

¹Greenwich Hospital, Greenwich, USA. ²Yale University School of Medicine, New Haven, USA

P5: Transcranial Doppler – The Fifth Decade

Thomas Alexander^{1,2}, George Plotkin²,

¹Southwestern Cerebral Circulatory Dynamics, Tyler, USA. ²UT-Health East Texas, Tyler, USA.

P6: Correlation of MBP with lowest MVI and highest PI in POTS or PSWT patients

**2024 McKinney Award Recipient*

Jawad Shahid, Ali Bin Waseem, Osama Ijaz, Kazma Kulsoom, Amna Butt, Amer Suleman
The Heartbeat Clinic, McKinney, USA

P7: Oral Cilostazol and Intravenous Humanized Albumin in Aneurysmal Subarachnoid Hemorrhage Patients with Refractory Cerebral Ischemia

Navpreet Bains¹, Ba Minh Ngo¹, Farhan Siddiq¹, Jose Ignacio Suarez², Camilo Gomez¹, Adnan Qureshi¹

¹University of Missouri, Columbia, USA. ²Johns Hopkins, Baltimore, USA

P8: Reversal of Ischemic Core on CT Perfusion in Acute Ischemic Stroke Patients Following Mechanical Thrombectomy

**2024 Qureshi Award Recipient*

Rakesh Shetty Rajalbandi, Adnan Iqbal Qureshi, Navpreet Bains

University of Missouri, Columbia, USA

P9: Echoencephalography of brainstem necrosis in asphyxiated term newborns

Paul Maertens, Sharma Kamal
University of South Alabama, Mobile, USA

P10: Exploring Brain Depths: An Analysis of Intracranial Hypotension Syndrome through Neuroimaging

Valentina Casas, Jorge Carrizosa, Andrés Solano
Hospital Universitario Fundación Santa Fe de Bogotá, Bogotá, Colombia

P11: The Hidden Menace: Reversible Cerebral Vasoconstriction in the Shadows of Pneumococcal Infectious Vasculitis - Neurocritical Experience

Andrés Solano, Jorge Carrizosa, Valentina Casas
Hospital Universitario Fundación Santa Fe de Bogotá, Bogotá, Colombia

P12: Neurosarcoidosis manifesting as Longitudinally Extensive Transverse Myelitis Responsive to Steroids

Madhav Nallani, Yathish Haralur
State Health Dept, Jackson, USA

P13: Findings of Medulla Oblongata lesion on MRI in a patient with progressive bulbar syndrome

Jorge Carrizosa^{1,2,3}, José David Suarez-Mera⁴, Diana Díaz Caicedo², Teo Nicolás Campo-Puerto⁵, Gabriel Quiñonez-Ossa⁵, Juan Pablo Leal-Isaza⁵, Diego Gomez Amarillo¹
¹Fundación Santa Fe de Bogotá, Bogota DC, Colombia. ²Universidad del Rosario, Bogota DC, Colombia. ³Universidad de los Andes, Bogota DC, Colombia, ⁴Universidad del Norte, Barranquilla, Colombia. ⁵Universidad El Bosque, Bogotá, Colombia

P14: Middle Meningeal Artery Embolization for Bilateral Chronic Subdural Hematoma: A semi systematic literature review

**2024 Resident Award Recipient*
Jorge Carrizosa^{1,2,3}, Jorge Mario Gaspar-Toro⁴, María Paula Zafra-Sierra⁵, Juan Andrés Mejía¹, Diana Díaz Caicedo²
¹Fundación Santa Fe de Bogotá, Bogota DC, Colombia. ²Universidad del Rosario, Bogota DC, Colombia. ³Universidad de los Andes, Bogota DC, Colombia. ⁴Universidad Nacional de Colombia, Bogota DC, Colombia. ⁵Universidad El Bosque, Bogotá, Colombia

P15: Learning curves for point-of-care ultrasound training for ultrasound pupillometry by nurses.

Jorge Carrizosa^{1,2,3}, Andrés Solano², Jorge Hernández-Aranda², Valentina Casas-Romero², Andrés Ordoñez¹
¹Fundación Santa Fe de Bogotá, Bogota DC, Colombia. ²Universidad del Rosario, Bogota DC, Colombia. ³Universidad de los Andes, Bogota DC, Colombia.

P16: Ictal SPECT In Patients with Focal Aware Seizure without Ictal EEG Changes: Single Center Experience

**2024 Oldendorf Award Recipient*
Saniya Pervin, Jordan Clay, Riham ElKhouli, Sally Mathias
University of Kentucky, Lexington, USA

**Full abstracts can be viewed at asnweb.org.
underlined authors indicated poster presenters.*

2024 Award Winners

Oldendorf Award

The Oldendorf Award is for the best abstract submitted by a student, resident or fellow that is based in basic or clinical research in CT, MRI, SPECT or PET.

Ictal SPECT In Patients with Focal Aware Seizure without Ictal EEG Changes: Single Center Experience

Saniya Pervin, Jordan Clay, Riham ElKhouli, Sally Mathias

University of Kentucky, Lexington, USA

McKinney Award

The McKinney Award is for the best abstract submitted by a student, resident or fellow that is based in basic or clinical research in Neurosonology.

Correlation of MBP with lowest MVI and highest PI in POTS or PSWT patients

Jawad Shahid, Ali Bin Waseem, Osama Ijaz, Kazma Kulsoom, Amna Butt, Amer Suleman

The Heartbeat Clinic, McKinney, USA

Qureshi Award

The Qureshi Award is for excellence in diagnostic angiography.

Reversal of Ischemic Core on CT Perfusion in Acute Ischemic Stroke Patients Following Mechanical Thrombectomy

Rakesh Shetty Rajalbandi, Adnan Iqbal Qureshi, Navpreet Bains

University of Missouri, Columbia, USA

Resident Award

The Resident Award is for excellence of abstract presented by a resident in a neurology program.

Middle Meningeal Artery Embolization for Bilateral Chronic Subdural Hematoma: A semi systematic literature review

Jorge Carrizosa^{1,2,3}, Jorge Mario Gaspar-Toro⁴, María Paula Zafra-Sierra⁵, Juan Andrés Mejía¹, Diana Díaz Caicedo²

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Networking. We connect you to other medical professionals who use neuroimaging in their day-to-day clinical practice via our Annual Meeting and membership directory.

Professional Development. We have opportunities for you to get involved on committees, which allow you to sharpen your volunteer skills.

Fellowship in the American Society of Neuroimaging (FASN)

Fellowship in the American Society of Neuroimaging (FASN) is meant to recognize individuals who have made significant contributions to the field of neuroimaging and have impacted the growth and practice of neuroimaging at a regional and national level.

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Dallas, TX • January 17-19

The Westin Irving Convention
Center at Las Colinas