

AANEM ANNUAL MEETING

Oct. 29 - Nov. 1, 2025
San Francisco, California

Your Bridge to the Future of
NM & EDX Medicine

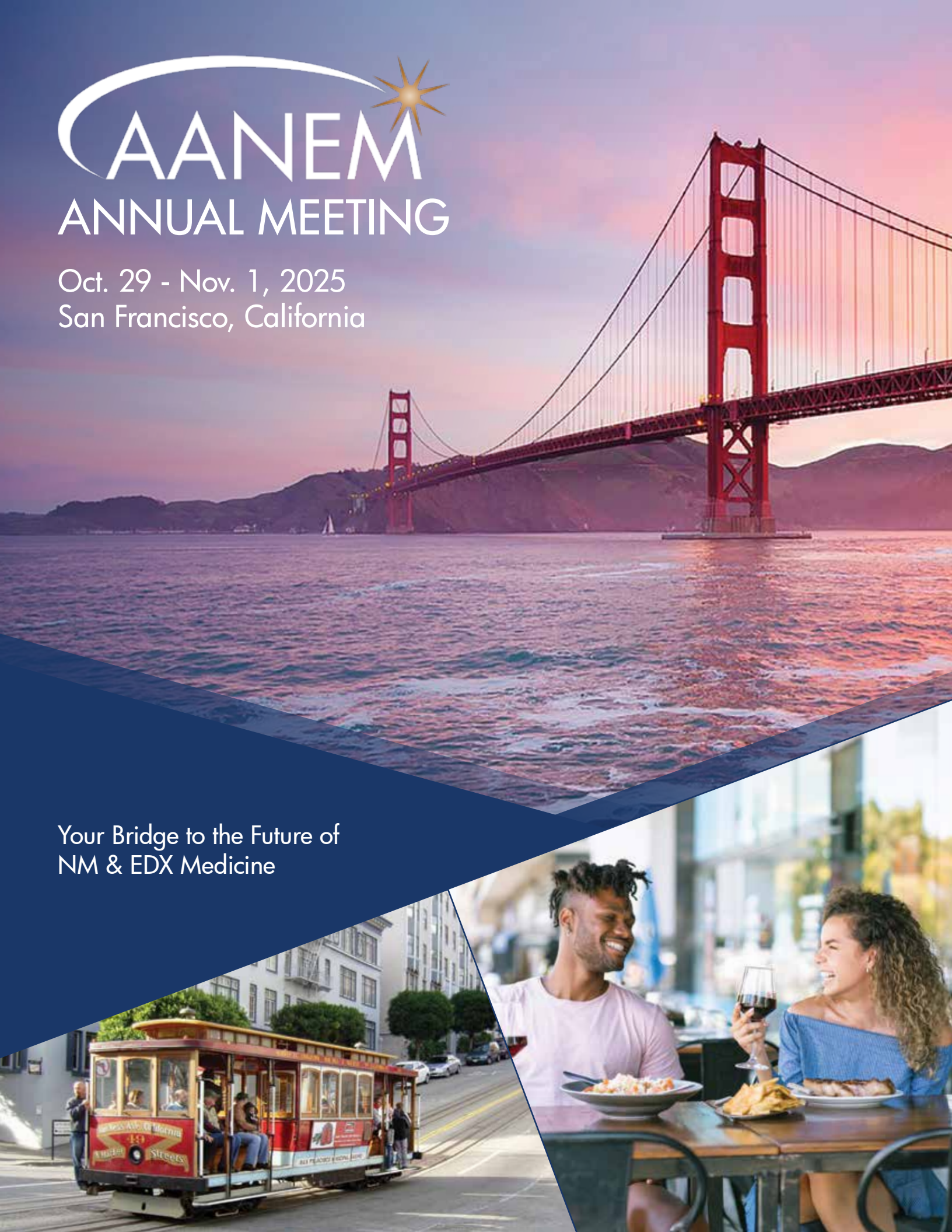






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President's Message

It is with great excitement that I invite you to join us for the 2025 AANEM Annual Meeting, taking place Oct. 29-Nov. 1 in the vibrant city of San Francisco, California. This year, we'll come together at the Hilton San Francisco Union Square to explore groundbreaking science, engage in hands-on learning, and create meaningful connections.

The 2025 plenary topic, *Back to the Future: Advances in NM Medicine*, reflects the rapid innovations shaping the NM and EDX fields and explores the opportunities we have to improve patient care. Plenary sessions will highlight three significant areas: fascicular anatomy, space medicine, and new therapies and technologies. We are honored to feature distinguished speakers who will discuss cutting-edge drug trials and the potential of AI in screening drug candidates, NM conditions affected by space travel, the development of fascicular surgery, motor control of prosthetic limbs, and much more!

Beyond the plenary, this year's meeting is full of diverse educational opportunities in NM, EDX, MSK, and US, including a mix of foundational and advanced sessions, interactive workshops, and thought-provoking abstract presentations. You'll also have the chance to engage with exhibits, attend social events, and connect with colleagues and mentors. Whether you're a physician, technologist, advanced practice provider, or other healthcare professional, this is your opportunity to deepen your expertise, exchange ideas, and collaborate across roles in the combined effort to improve patient care in NM and EDX medicine.

I encourage you to join us in person to take full advantage of the hands-on workshops, lively discussions, and vibrant culture of San Francisco, but virtual registration is available for those who cannot.

I look forward to seeing you there!

Warm regards,



Faye Tan, MD
2025 AANEM & ANF President





Plenary Speakers

The 2025 annual meeting plenary sessions will showcase a distinguished panel of experts addressing this year's plenary topic, *Back to the Future: Advances in NM Medicine*. This topic, selected by AANEM President Faye Tan, MD, will cover three pivotal areas: fascicular anatomy, space medicine, and emerging therapies and technologies in NM and EDX medicine. The sessions aim to explore the latest advancements in these fields, providing attendees with insights into cutting-edge research and its practical applications in patient care.



Lisa Hobson-Webb, MD

Fascicular Imaging: A Closer Look at Peripheral Nerve

Wed. - Invited Lecture

Lisa Hobson-Webb, MD, is a professor of neurology, vice chair of clinical operations, and medical director of the Neurosciences Research Organization at Duke University. Her research focuses on advancing NM imaging, particularly US and 3-D shear wave elastography for NM disorders. She is also involved in NM clinical trials for FSHD and IBM. In her talk, Dr. Hobson-Webb will discuss the latest developments in NM imaging, especially for visualizing peripheral nerves at the fascicular level, and its future impact on diagnosing and treating nerve diseases.



Susan MacKinnon, MD

A Paradigm Shift for Electromyographers and New Options for Nerve Injured Patients

Wed. - Reiner Lecture

Susan MacKinnon, MD, is the Minot Packer Fryer professor of surgery and director of the Center for Nerve Injury and Paralysis at Washington University. A member of the National Academy of Science, she has developed new strategies for nerve injury management, including safe intraneural dissection and motor/sensory fascicle mapping. Her lecture will discuss the adoption of nerve transfers in surgery, how they improve recovery, and the role of EMG in evaluating nerve injuries. Dr. MacKinnon emphasizes the importance of collaboration between surgeons, neurologists, and PM&R physicians to enhance patient outcomes.



Lauren Cheung, MD

Fall and Gait Technology in Apple Watches and Other Devices

Thurs. - Invited Lecture

Lauren Cheung, MD, is an internal medicine physician on the Health team at Apple and assistant professor of medicine at Stanford Medicine. Dr. Cheung was a co-founder of the Stanford Center for Digital Health and medical director of strategy and innovation at Stanford Health Care.

Dr. Cheung will share how sensors on the iPhone and Apple Watch enable capture of a wide variety of movement metrics over time and their broad-reaching applications across health. She will review the features available to consumers and how companies and researchers are using these metrics to care for patients.

BACK TO THE FUTURE: ADVANCES IN NM MEDICINE



Sabrina Paganoni, MD, PhD

Translating ALS Discoveries into Therapies: Innovations in Drug Development

Thurs. - Olney Lecture

Sabrina Paganoni, MD, PhD, is an associate professor at Harvard Medical School and co-director of the Neurological Research Institute at Massachusetts General Hospital. She specializes in ALS clinical trials and therapy development, leading multiple trials and pioneering new trial designs. Her research, supported by the National Institute of Health and others, has led to over 160 peer-reviewed publications. Dr. Paganoni's talk will cover recent ALS drug development advancements, focusing on collaboration, innovative trial designs, and patient-centered research to accelerate therapy evaluation.



Sheyna Gifford, MD

Space for All: Supporting Space Explorers and Aviators With NM Conditions

Fri. - Lambert Lecture

Sheyna Gifford, MD, is an assistant professor of preventive and aerospace medicine at Mayo Clinic and a board-certified physiatrist who focuses on improving health and access for all, especially individuals with disabilities. In her talk, Dr. Gifford will highlight how physicians can support patients with disabilities in pursuing occupational and recreational goals - how encouragement, risk mitigation skills, and medical acumen can mean the difference between surviving and living.



Crystal Yeo, MB BChir, PhD

Translational Applications in Precision Medicine: AI-Driven Biomarker Discovery and Stem Cell Modelling in Motor Neuron Diseases

Fri. - Surinderjit Singh Lecture

Crystal Yeo, MB BChir (Cambridge, Distinction), PhD (Cambridge), is a consultant neurologist at the National Neuroscience Institute and director of the Translational Neuromuscular Research Laboratory at A*STAR, both in Singapore. She is also a senior lecturer at the University of Aberdeen and a Newnham Associate at the University of Cambridge. In her talk, Dr. Yeo will explore how advancements in artificial intelligence (AI), stem cell modeling, and genetic technologies transform NM research and treatment. She will cover AI-driven biomarker discovery, drug repurposing for ALS, and stem cell-based precision medicine for ALS and SMA.

Sessions

Wednesday
Oct. 29

- Clarifying Concepts in NCS: Upper and Lower
- EDX as a Prognostic Tool: Case-Based Interactive Session
- Hot Topics in NM Literature - Part 1
- Hot Topics in NM Literature - Part 2
- Interdisciplinary Care for Peripheral Nerve Injuries
- Lessons From the Lab LIVE!
- Management of CMT Disease in Children
- Member Practice Issue Open Forum
- MGFA Session
- MUAP Recruitment Analysis Made Simple
- Muscle Pathology in the Era of Next Generation Sequencing and Myositis Antibodies
- Muscle US: Quantitative Assessment and Patterns of Muscle Involvement
- New Frontiers in Nerve Injury: Emerging and Experimental Therapeutics
- NM Complications of Cancer Care
- NM Diagnostic Challenges: Pediatric EMG Cases
- NMUS in Children
- Planning NCS
- Plenary 1: Back to the Future: Advances in NM Medicine
- Small Fiber Diagnostic Techniques in Children

Thursday
Oct. 30

- Approach to the NM Exam for APPs
- Basic NCS Physiology and Anomalous Innervations
- CAR-T Therapy for NDS: How Far Can This Treatment Take Us?
- Debate: Should AANEM Mandate NMUS Credentialing?
- EDX NM Challenging Cases - Part 1
- EDX NM Challenging Cases - Part 2
- hATTR Polyneuropathy Diagnosis and Treatment Approach
- How Can Sonographers Navigate Institutional Barriers?
- How to Become a Site PI
- How to Get Started in NM Space Medicine
- How to Incorporate US in Pediatric Practice
- Interpretation of EDX for APPs
- Mitochondrial NMDS
- Muscular Dystrophies Across the Lifespan - Part 1: Diagnostic Odyssey
- Muscular Dystrophies Across the Lifespan - Part 2: Management and Therapies
- Nerve US for Surgical Planning
- NM Care Across the Female Lifespan: Sex Hormones, Aging, and Neuromusculoskeletal Care
- NM Health and Function in Space: From Mice to Mars
- NMUS for MSK Conditions Encountered During an NM Evaluation: An Interactive Demo With Live Q & A
- Paradigm Clashes: Debate and Exploration in Choosing Traditional vs Novel Immunotherapeutics for MG
- Pediatric EMG Pearls
- Plenary 2: Back to the Future: Advances in NM Medicine
- Practical Management of Brachial Plexopathies
- Program Director's Symposium
- SFEMG - Principles, Practice, and Pitfalls
- Small Fiber Neuropathy
- Stepwise Approach to the Diagnosis and Treatment of CIDP
- Technologist Roundtable Discussion: Challenging Cases - 1
- The Life of EDX/NM Neurologists and PM&R Physicians
- The Path to Becoming an EDX/NM Neurologist and PM&R Physician
- TOS
- US Evaluation of Post Surgical Brachial Plexus
- When Is One EDX Not Enough? The Rational for if and When to Perform Serial Studies
- You Make the Call: An Interactive Approach to EMG Waveform Recognition Skills - Basic
- You Make the Call: An Interactive, Multimedia Approach to Improving EMG Waveform - Advanced

“The AANEM meeting is very focused. It’s very rich in NM and EDX medicine. You can dive in and learn and capture as much as possible. If you’re interested in NM medicine, this is the place you need to come. It’s also a great place to meet people, network, and learn from others’ experiences. Someone may come and sit next to you, and you realize it’s an author of a book you love, and I really enjoy that part too.”

-Vijaya Valaparla, 2024 CNP Fellow

Friday
Oct. 31

- Basics of NCS and Needle EMG - Part 1
- Basics of NCS and Needle EMG - Part 2
- Case-Based Approach to Inpatient NM Conditions: Diagnosis and Management
- Challenging Imaging Cases
- Clarifying Concepts in NCS: Instrumentation, Troubleshooting, and Neuroanatomy
- Diagnosing ALS - Using Established and Emerging Techniques
- EDX and US Evaluation of Progressive Upper Limb Weakness - Part 1
- EDX and US Evaluation of Progressive Upper Limb Weakness - Part 2
- Functional Neurological Disorder - Role of EDX and Strategies for Rehabilitation
- Gene Therapies in NMD
- Increasing Our Understanding of Peripheral Nerve Fascicles and Fasciculopathies With Diagnostic NMUS
- Job Contracting
- Joint Session With Peripheral Nerve Society
- NM Fellowship for PMR: The Why
- NMDs and Pregnancy
- Pathologies in NMUS
- Pathways to Landing Your First Job Out of Fellowship
- Plenary 3: Back to the Future: Advances in NM Medicine
- QI Initiatives - Planning a Project From Start to Finish
- Resident and Fellow Career Panel Discussion
- Roundtable: Case Discussions
- Technologist Roundtable Discussions: Challenging Cases - 2
- The Transition of Care in Pediatric Practice
- Traumatic Brachial Plexopathy Symposium
- Treatment Approaches to Immune Related Autonomic Neuropathies: Sjogren’s and Long COVID
- Update on Pediatric Clinical Trials: SMA and DMD
- Utilizing APPs and Team-Based Care to Meet the Challenges of Today’s NM Practice

Saturday
Nov. 1

- An Update on ALS: Biomarkers, Symptomatic Management, and Treatment Trials
- Back to the Future: Exercise as NM Medicine: International Perspectives and Innovative Interventions
- Beyond Bread & Butter: Tricky Cases for Trainees
- Blind Spots and What Lies Beneath in NM Clinic
- Diagnosis and Treatment: Breakthrough Genetic Testing for NMDs
- Getting Started With US in Clinical Practice
- New and Emerging CIDP, MMN, and GBS
- NMUS and Treatment Options for Subclinical or Dynamic Nerve Entrapment Syndromes
- Peripheral Nerve and Muscle Pathology
- RNS Simplified for the EDX Lab
- Update on Pediatric Clinical Trials - Other NMDs
- When Something Doesn’t Look Right: A Case-based Approach to NCS Artifacts and Anomalies

Workshops

Wednesday
Oct. 29

- Advanced Sonographic Needle Guidance for Carpal Tunnel Injections
- Advanced US Guidance for Neurotoxins
- Advanced US of the Brachial Plexus
- Advanced US of Upper Limb Nerves
- Autonomic Testing Using Live Demonstration
- Basic NMUS
- Basic US of Lower Limb Nerves
- Basic US of Upper Limb Nerves - Median and Ulnar From Elbow to Wrist
- Cervical Radiculopathy/Brachial Plexopathy
- Diagnosing TOS
- Disease-Oriented US Protocols
- EDX Approach to Myopathies: Needle EMG of Unusual Muscles
- EDX Evaluation of the Proximal Upper and Lower Limb Nerves, With Adjunctive Use of US
- EMG Elegance: Techniques and Strategies for Achieving Superior Signal Fidelity
- EMG Laryngeal
- Expert US
- Facial NCS and Blink Reflexes
- Getting the Most Out of Your US System
- MUP Quantitation
- Myopathies: EDX Approach
- NMUS Anatomy of the Head and Neck for Chemodenervation Procedures
- SFEMG Using Axonal Stimulation
- SFEMG With Voluntary Activation
- Skin Punch Biopsy in NM Medicine: Technique and Applications
- US Anatomy for EMG

Thursday
Oct. 30

- Advanced EMG and US of Respiratory System
- Autonomic Testing
- Basic MSK and Muscle US - Lower Limb
- Basic MSK and Muscle US - Upper Limb
- Basic Nerve US - Lower Limb
- Basic Nerve US - Upper Limb
- EDX Evaluation of NMJ Transmission Disorder
- Localization of Atypical Muscles on Needle EMG
- Measuring Real World Motor Outcomes
- NCS Pitfalls
- Needle EMG of the Foot
- Unusual Upper Limb Nerve Conductions
- US Anatomy for EMG

"My favorite part of the AANEM Annual Meeting is participating in the workshops. The small group learning environment provides a unique opportunity for hands-on education. The lectures are also fantastic learning opportunities, offering insights and discussion. I always leave the meeting feeling excited and renewed about the field and value the connections made during the event."

- Andriana Tompary, DO

Friday
Oct. 31

- Advanced Nerve US - Lower Limb
- Advanced Nerve US - Upper Limb
- Basic NCS With US - Median and Ulnar
- Diagnostic Approaches to Foot and Ankle: Nerve Assessment and MSK Pathology
- How to Learn NMUS Later in Your Career
- Mastering RNS and NCS: Strategies for Success and Common Pitfalls
- NCS in the Foot
- Pearls and Pitfalls in Performing NCS
- RNS and Blink Reflexes
- RNS With Clinical Applications in Diagnosis of NMJ Disorders
- Stimulated SFEMG for NMJ Disorders in Pediatrics and Sedated Patients
- Unusual NCS

Saturday
Nov. 1

- Advanced US of the Lower Limb Nerves
- Assessment of Hand and Wrist Pain That Is Not CTS
- EDX and Clinical Approach to Lumbosacral Plexopathies
- EDX of Muscles of Face and Neck in Neurogenic Palsies and NMJ Disorders
- Late Responses: F Wave Responses and H Reflexes
- Lower Limb Sensory Study Workshop
- RNS
- SFEMG and Jitter Measurement During Voluntary Muscle Contraction



Two Ways to Participate

Experience the 2025 AANEM Annual Meeting your way. Whether you join in person or online, you'll gain access to top-tier educational sessions and the chance to earn up to 22.5 CME/CEUs, 9 Self-Assessment CME credits, and ABEM Certified Nerve Conduction Technologist Checkpoints. Learn, connect, and advance your expertise however it works for you!



1) In-Person Meeting Option

Join us in person at the Hilton San Francisco Union Square for exclusive experiences not available online. Enjoy access to concurrent in-person sessions, interactive workshops, the Exhibit Hall, and the Poster Hall. Also, take advantage of valuable networking opportunities and reconnect with colleagues at social events throughout the meeting.

Full Attendance (Oct. 29 - Nov. 1)	Early Bird	Regular	Late
	June 15 - July 31	Aug. 1 - Sept. 30	Oct. 1 - Nov. 1
MEMBER			
Physicians	\$625	\$700	\$775
Physicians-in-Training	\$350	\$425	\$500
Technologists, Collaborators, APPs, Researchers	\$350	\$425	\$500
TPP Physicians-in-Training	\$85	\$160	\$235
NONMEMBER			
Physicians	\$925	\$1,000	\$1,075
Physicians-in-Training	\$550	\$625	\$700
Technologists, Collaborators, APPs, Researchers	\$550	\$625	\$700
Friday & Saturday Attendance (Oct. 31 - Nov. 1)	Early Bird	Regular	Late
	June 15 - Jul. 31	Aug. 1 - Sept. 30	Oct. 1 - Nov. 1
MEMBER			
Physicians	\$300	\$375	\$450
Physicians-in-Training	\$200	\$275	\$350
Technologists, Collaborators, APPs, Researchers	\$200	\$275	\$350
TPP Physicians-in-Training	\$85	\$160	\$235
NONMEMBER			
Physicians	\$475	\$550	\$625
Physicians-in-Training	\$350	\$425	\$500
Technologists, Collaborators, APPs, Researchers	\$350	\$425	\$500



2) Virtual Meeting Option

If you cannot attend in person in San Francisco, virtual meeting registration offers access to an interactive livestream of featured sessions and the 2025 Annual Meeting Video Collection. During the live event, you can engage with other virtual attendees, interact with the live audience, and have your questions addressed by the presenters. After the meeting, you can access on-demand recordings from most in-person sessions through the 2025 Annual Meeting Video Collection. Virtual registration allows indefinite access to all video collection content and the option to claim up to 100 CME/CEUs over 3 years.

Register online today at www.aanem.org/AnnualMeeting. Contact meeting@aanem.org for assistance.

Virtual Meeting Stream + Collection	Early Bird	Regular	Late
	June 15 - July 31	Aug. 1 - Sept. 30	Oct. 1 - Nov. 1
MEMBER			
Physicians	\$455	\$530	\$605
Physicians-in-Training	\$295	\$370	\$445
Technologists, Collaborators, APPs, Researchers	\$295	\$370	\$445
TPP Physicians-in-Training	\$190	\$265	\$340
NONMEMBER			
Physicians	\$755	\$830	\$905
Physicians-in-Training	\$495	\$570	\$645
Technologists, Collaborators, APPs, Researchers	\$495	\$570	\$645

Register online today at www.aanem.org/AnnualMeeting. Contact meeting@aanem.org for assistance.



Complimentary Meeting Registration for Medical Students

Medical students are encouraged to register at no cost to experience valuable opportunities to network with peers, program directors, and leaders in neurology and PM&R. Learn from sessions, network at social events, and explore potential career paths in NM and EDX at the AANEM Annual Meeting.

Now, you can make attendance even more affordable. The American Neuromuscular Foundation will grant up to 30 Medical Student Scholarships, supplying each recipient with a \$1,500 travel stipend, among other benefits. Learn about eligibility for this new scholarship and apply today.



Questions? Contact us at membership@aanem.org

In-Person Add-Ons

Pediatric Dinner

Network with others who are either practicing or interested in pediatric NM medicine and hear from the winners of the Pediatric Research Award. Dinner is provided by AANEM. Registration is required for this social event, so be sure to add it when you sign up for the annual meeting.

Guests

Remember to add guests to your registration for only \$25 per guest. While your guests won't be able to attend the sessions or workshops, they can join you for social events throughout the meeting and connect with other attendees.

Workshops

Customize your meeting experience by adding workshops to your registration. These small group sessions, discussions, and demonstrations are led by the best in the field and provide personalized instruction to help develop your skills and techniques in NM, US, and EDX medicine.



Annual Meeting Video Collection

Never miss a moment of the 2025 AANEM Annual Meeting with the Annual Meeting Video Collection (AMVC). This collection offers access to audio and video recordings from many sessions at the annual meeting, allowing you to rewatch presentations at your convenience.*

The AMVC gives you access to content from the annual meeting indefinitely and the option to claim up to 100 *AMA PRA Category 1 Credits™* or CEUs for 3 years.

When you register for the in-person meeting option, add the AMVC during the registration process for only \$145. Adding the collection during registration is a great value, as the cost of the AMCV after the meeting will be \$295 for members and \$445 for nonmembers.

**The Annual Meeting Video Collection contains recordings of most of the sessions; however, it does not include Ask the Experts sessions, sessions that experience technical difficulty during recording, or workshops.*

Annual Meeting Workshop Bundle

Access information from the workshops you missed with the Annual Meeting Workshop Bundle. This bundle includes handouts from all the workshops that provide them, containing key teaching points from each session.* That way, you can access valuable insights and takeaways from the workshops, even if you couldn't attend.

Add the Annual Meeting Workshop Bundle during the meeting registration process for only \$50. The cost of the Annual Meeting Workshop Bundle after the meeting will be \$100 for members and \$250 for nonmembers.

**Please note that while the handouts contain important information, the workshops themselves are not recorded, and audio or video is not available. Workshop CME/CEUs are only available for in-person attendance and cannot be obtained by purchasing the 2025 Workshop Bundle. We highly encourage in-person attendance at our workshops, as many of them feature hands-on demonstrations that offer a unique learning experience.*



Social Events

Enhance your in-person meeting experience beyond the sessions and workshops by reconnecting with colleagues and meeting new friends at lively social events held throughout the week.

Speed Networking Activity | Wednesday 2:30-3:15 pm

Join a fun and easy way to network at the AANEM Annual Meeting while building connections with peers, leaders, and other NM and EDX medicine professionals. Plan to attend our networking event early because space is limited. Networkers will make many connections during the session, so bring your business cards.

Meet and Greets | Wednesday 2:30-3:30 pm

Join peers in your field at the Advanced Practice Provider or Technologist Meet & Greet to learn how to navigate all the opportunities at the meeting.

President's Reception | Wednesday 5:30-7 pm | *Sponsored by UCB, Inc.*

Join us for the official kick-off to the annual meeting. Alcoholic and nonalcoholic beverages will be available, along with appetizers. All meeting registrants and registered guests are welcome and encouraged to attend!

Exhibit Hall | Wednesday 5:30-7 pm | Thursday 9 am-4 pm | Friday 9 am-4 pm

Learn about the latest NM and EDX medical advancements and trends at the Exhibit Hall. Stop by between sessions to discuss innovations with industry professionals and meet representatives from pharmaceutical and equipment companies.

Medical Student Breakfast | Thursday 7-8 am

Meet fellow medical students, members of the Young Leadership Council, and association leaders to learn how to navigate all the opportunities available at the meeting during the special breakfast for medical students. All medical student attendees will be pre-registered.

Abstract Award Reception | Thursday 5:30-7 pm | *Sponsored by Catalyst Pharmaceuticals, Inc.*

Celebrate NM and EDX research advancements by joining our abstract authors for cocktails and appetizers. All authors will be available to discuss their research. Be sure to visit the winners and runner-up candidates for the Golseth Young Investigator Award, Best Abstract Award, Pediatric Research Award, and President's Research Award.



Pediatric Dinner | Thursday 6:45-8 pm | *Sponsored by Sarepta Therapeutics.*

Network with others who are either practicing or interested in pediatric NM medicine and hear from the winners of the Pediatric Research Award. Dinner is provided by AANEM. Registration is required for this social event, so be sure to add it when you sign up for the annual meeting.

EMG Talk | Thursday 7-9 pm | *Sponsored by Cadwell Laboratories, Inc.*

EMG Talk is an interactive, entertaining, lighthearted look at EMG that is sure to provide a lot of laughs. Join the fun and camaraderie, including complimentary drinks and sweet treats.

Medical Student Lunch | Friday 11:45 am-12:45 pm

Take advantage of this unique opportunity for medical students to connect with AANEM leadership and peers over a complimentary meal—a can't-miss chance to engage in meaningful conversations with leading voices in neurology and PM&R.

Resident & Fellow Lunch | Friday 11:45 am-12:45 pm | *Sponsored by Grifols USA, LLC.*

Enjoy a complimentary meal while you network with the leadership of AANEM and other peers at this unique opportunity dedicated for residents and fellows. You will not want to miss this chance to chat with the great minds in neurology and PM&R!

ANF Happy Hour | Friday 5:30-6:30 pm

Enjoy music and good company at this lively happy hour with the American Neuromuscular Foundation. Join us for refreshments, cocktails, wine, and more during this final social event.

Beers for Fears | Friday 5:30-6:30 pm

“Everybody Wants to Rule the (EDX) World.” This session is for residents, fellows, and early-career physicians. We invite you to share your EDX fears/anxieties/challenges with experts in EDX medicine in exchange for beers (or your choice of beverage) in a very informal setting. Our nationally recognized faculty will welcome all your questions and gladly share insights gained from years of experience.



Plan Your Stay

Renowned for its eclectic culture, iconic landmarks, and breathtaking natural beauty, San Francisco is the host city for the 2025 AANEM Annual Meeting. A vibrant blend of history, innovation, and scenic landscapes provides an inspiring backdrop as we delve into the latest advancements in NM and EDX medicine at the Hilton San Francisco Union Square. Between sessions, take the opportunity to explore the city's famous attractions and savor the local flavors.



Alcatraz Island



Fisherman's
Wharf & Pier 39



Chinatown



Painted Ladies



Palace of Fine
Arts Theater

Accommodations

Make your hotel reservation in AANEM's official room block. To secure a room at the Hilton Union Square, we recommend making your reservation early, as the number of available guest rooms is limited.

Travel

The San Francisco International Airport is approximately 14 miles from the Hilton San Francisco Union Square Hotel.

We are pleased to partner with United Airlines for air travel to our upcoming event. To make flight reservations online, utilize discount code **ZQK7331488**. You may also call the United Meetings Reservation Desk at (800) 426-1122 for booking assistance.

Delta Air Lines is pleased to offer special discounts for AANEM. Utilize the Meeting Event Code **NY3NZ** when booking online or when calling the Conference and Events booking line at (800) 328-1111.

AANEM has partnered with Hertz to receive the best available rate on rental cars. Provide discount code **CDP 2188961** when making your reservation online (hertz.com) or via telephone (800) 654-2240.

Uber, Lyft, and rental car services are readily available in the area. Alternatively, you can use the cable cars and Muni public transportation for convenient travel around the city.

Cable Cars: The Powell/Mason and Powell/Hyde cable car lines, two of the most well-known cable car routes, are accessible from Powell Street, just a few blocks away from the Hilton Union Square.

Muni Buses & Metro: Several Muni bus lines and the Muni Metro also serve the area around Union Square, with stops within walking distance from the hotel, providing convenient access to many parts of the city.



**Book
Through
AANEM's
Room Blocks**



Palace of the
Legion of Honor



War Memorial
Opera House



City Hall



Columbus Tower



Transamerica
Pyramid

Customize Your Schedule

SESSIONS

Create the perfect itinerary for the 2025 AANEM Annual Meeting. With your registration, you'll have full access to a wide range of sessions covering everything from basic anatomy to advanced NM and EDX topics that are perfect for professionals at any stage of their career.

Sessions marked "CME" are reserved for physicians, while "CME/CEU" sessions are open to all attendees.

WORKSHOPS

Develop your skills and techniques in NM, MSK, NMUS, and EDX medicine by attending hands-on workshops led by field leaders. These small group sessions provide personalized instruction that can help advance your practice. All workshops require registration, and space is limited, so act fast and register soon. Prices vary from \$25 to \$165, depending on the workshop and registration date. Register before July 31 to secure the best price.

All workshops are available for physicians. Workshops labeled "CEU" are available to technologists and other healthcare professionals.

SOCIAL EVENTS

Connect with colleagues and mentors at any of our scheduled social events. Kick off the meeting at the President's Reception and meet the individuals who contribute to cutting-edge research at the Exhibit Hall or the Abstract Poster Presentations. Then, network with colleagues over complimentary refreshments during coffee breaks and happy hour.

These events and many more are included in the registration cost and do not have an additional fee. Registered guests are welcome to attend most social events.

08:00 am -
09:30 am

Workshop

W02A Autonomic Testing Using Live Demonstration

Familiarize participants with three quantitative tests of autonomic function using specialized equipment designed for autonomic reflex function testing including sudomotor testing; cardiovagal testing with heart-rate response to deep breathing; and Valsalva maneuver testing to evaluate cardiovagal and adrenergic function.

1.50
CME/CEU

Amanda C. Peltier, MD, MS

08:00 am -
09:30 am

Workshop

W08A EMG Laryngeal

Develop skills in the clinical and EDX evaluation of vocal cord dysfunction, including performance of specific EDX testing of the larynx; and discuss how to evaluate which tests to perform on patients presenting with hoarseness and laryngeal dysfunction.

1.50 CME

Michael C. Munin, MD

08:00 am -
09:30 am

Workshop

W103A Diagnosing TOS

Practice hands-on US evaluation of both neurogenic and vascular causes of TOS in the supraclavicular and infraclavicular regions; demonstrate US evaluation of the brachial plexus at the scalenes triangle and pectoral regions for potential compression; and evaluate the proximal brachial plexus and peripheral nerves through the axilla and proximal upper limb. There will be faculty providing hands-on experience at both the EMG and US stations.

1.50 CME

Albert Clairmont, MD | Lester S. Duplechan, MD

08:00 am -
09:30 am

Workshop

W105A Disease-Oriented US Protocols

Demonstrate US scanning techniques and protocols for evaluating suspected ALS, myopathy (specifically IBM), and scapular winging; discuss the most frequent US abnormalities; and explain the role of US as a complementary diagnostic tool in these conditions.

1.50
CME/CEU

Mansoureh Mamarabadi, MD

08:00 am -
09:30 am

Workshop

W107A US Anatomy for EMG

Demonstrate how US can enhance the safety and accuracy of needle placement in the EMG lab; recognize situations in which US may be a useful adjunct for muscle localization; identify with US relevant muscle anatomy and nearby nervous/vascular structures for optimal needle placement including but not limited to pronator teres, flexor digitorum profundus, extensor digitorum communis, extensor carpi radialis, flexor pollicis longus, abductor pollicis brevis, rectus femoris, long and short heads of the biceps femoris, tibialis anterior, extensor digitorum longus, fibularis longus, extensor hallucis longus, and tibialis posterior.

1.50 CME

Sarada Sakamuri, MD

08:00 am -
09:30 am

Workshop

W113A Skin Punch Biopsy in NM Medicine: Technique and Applications

Discuss the role for skin biopsy as a clinical technique and its limitations in clinical practice, and become more comfortable performing this billable procedure in their office.

1.50 CME

David W. Polston, MD

08:00 am -
09:30 am

Workshop

W18A Basic NMUS

Obtain images with transverse and longitudinal transducer positions; describe how to manipulate basic US instrumentation to include focal depth, Doppler flow, and transducer frequency; describe how muscle, nerve, and tendon appear with US; and discuss the principle of anisotropy.

1.50
CME/CEU

Vanessa Baute Penry, MD

08:00 am -
09:30 am

W81A Basic US of Lower Limb Nerves

Workshop

Explain optimal transducer frequencies for imaging lower extremity nerves and appropriate choice of transducers; describe echogenicity and methods of demonstrating Morton's neuroma in the foot; identify and trace the sciatic nerve from the ischiofemoral outlet into the posterior thigh; identify common muscles for EMG and chemodenervation and methods of safe approaches with needle; describe and demonstrate the branching patterns of sciatic, tibial, fibular, and sural nerves in the lower extremities; and list expected findings of nerve entrapment as may be seen on US and findings in structures other than nerve that may be significant. This workshop will focus on the sciatic nerve at bifurcation, fibular nerve at fibular head, and the tibial nerve at ankle.

1.50 CME

Jeffrey A. Strakowski, MD

08:00 am -
09:30 am

W84A Advanced US of the Brachial Plexus

Workshop

Explain recommended transducer frequencies and image optimization methods for imaging of the brachial plexus; explain US-anatomy of the brachial plexus and adjacent structures; demonstrate scanning technique of the brachial plexus in the interscalene groove as well as supraclavicular, infraclavicular, and axillary areas; demonstrate US identification of the following nerves: vagus, phrenic, dorsal scapular, long thoracic, suprascapular, and spinal accessory; and summarize expected findings of brachial plexopathies as may be seen on US and findings in structures other than the nerve that may be significant.

1.50
CME/CEU

Monika Krzesniak-Swinarska, MD

08:00 am -
09:30 am

W97A SFEMG Using Axonal Stimulation

Workshop

Gain proficiency in SFEMG techniques using axonal stimulation; describe the technique on the extensor digitorum communis with stimulation of the posterior interosseous nerve and on the orbicularis oculi with stimulation of the facial motor nerve; and discuss the process of stimulated SFEMG, including its advantages and limitations compared to volitional SFEMG.

1.50 CME

Benn E. Smith, MD

08:00 am -
09:30 am

Clarifying Concepts in NCS: Upper and Lower

Session

Identify the relevant anatomical structures necessary for performing NCS on the upper and lower limb and troubleshoot common pitfalls in performing these studies.

This is a technologist-focused session. Anyone who has interest is welcome to attend.

1.50
CME/CEU

Haibi Cai, MD | Georgette Dib, MD | Kelly G. Gwathmey, MD | John W. Norbury, MD

08:00 am -
09:30 am

Hot Topics in NM Literature - Part 1

Session

Evaluate impactful findings in NM literature over the past year; assess the clinical value of these studies and their impact on NM patients (EDX and sonographic methods, hereditary and acquired myopathy evaluation, peripheral neuropathy testing and treatment, motor neuron disease understanding; and NMJ disorder advancements); summarize hot topics and groundbreaking work in these areas of NM medicine; and incorporate emerging knowledge into clinical practice.

1.50
CME/CEU

Jonathan Katz, MD | Ruple S. Laughlin, MD | Nicholas J. Silvestri, MD

08:00 am -
09:30 am

Management of CMT Disease in Children

Session

Assess genetic counseling strategies for family members affected by CMT disease; describe surgical and nonsurgical management options for CMT patients; and evaluate supportive measures for CMT patients: the impact on school, sports and mental health.

1.50
CME/CEU

Susan Apkon, MD | Diana Baruschka-Goebel, MD | Jaclyn C. Omura, MD | Michele L. Yang, MD

08:00 am -
11:30 am

MGFA Session

Session

The Myasthenia Gravis Foundation of America (MGFA) Medical & Scientific Advisory Council (MSAC) invites clinical and scientific experts to share current and prospective peer-reviewed research focused on myasthenia gravis (MG) and related disorders of the NMJ. The scientific session will include presentations highlighting the latest advancements in our understanding of MG etiology, immunopathology, therapeutic developments, and management. Program and speakers subject to change.

No CME/CEU

08:00 am -
09:30 am

NM Complications of Cancer Care

Session

Identify common NM complications of cancer care, including chemotherapy-induced peripheral neuropathy and NM immune-related adverse events such as MG and myositis; analyze current evidence-based guidelines for the prevention, diagnosis, and management of these disorders; and apply this knowledge to optimize patient care.

1.50
CME/CEU

Amanda C. Guidon, MD | Noah A. Kolb, MD | Brendan L. McNeish, MD

08:00 am -
09:30 am

NMUS in Children

Session

Explain the unique aspects of using NMUS when assessing children, and illustrate how NMUS can be combined with EDX studies in this population.

1.50
CME/CEU

Michael S. Cartwright, MD | Craig M. Zaidman, MD

09:30 am -
10:00 am

Break

Social Event

Enjoy complimentary beverages and use break time to network and socialize with your colleagues.

No CME/CEU

10:00 am -
11:30 am

W02B Autonomic Testing Using Live Demonstration

Workshop

Familiarize participants with three quantitative tests of autonomic function using specialized equipment designed for autonomic reflex function testing including sudomotor testing; cardiovagal testing with heart-rate response to deep breathing; and Valsalva maneuver testing to evaluate cardiovagal and adrenergic function.

1.50
CME/CEU

Jasvinder P. Chawla, MBBS, MD, MBA

10:00 am -
11:30 am

W18B Basic NMUS

Workshop

Obtain images with transverse and longitudinal transducer positions; describe how to manipulate basic US instrumentation to include focal depth, Doppler flow, and transducer frequency; describe how muscle, nerve, and tendon appear with US; and discuss the principle of anisotropy.

1.50 CME

Michael S. Cartwright, MD

10:00 am -
11:30 am

W45B Cervical Radiculopathy/Brachial Plexopathy

Workshop

Discuss the anatomy of the cervical roots and the brachial plexus; describe the role of the sensory NCS in the initial localization of axon loss processes to preganglionic versus ganglionic/postganglionic; illustrate the role of the sensory NCS in localizing focal lesions to specific regions of the brachial plexus (root, trunk, division, cord, terminal nerve); discuss the role of motor NCS in further localizing the lesion and in defining its severity; describe the role of the needle EMG in confirming the NCS findings and in defining the temporal features of the disorder (slowly progressive, rapidly progressive, acute, subacute, chronic); and demonstrate this information using illustrative cases.

1.50 CME

Mark A. Ferrante, MD

10:00 am -
11:30 am

W55B EDX Approach to Myopathies: Needle EMG of Unusual Muscles

Workshop

Discuss the role of EDX testing in myopathies; identify EDX findings in muscle disorders; determine muscle selection criteria for EDX in patients with suspected myopathy; and use the EDX findings to generate a differential diagnosis.

1.50 CME

Elie Naddaf, MD

10:00 am -
11:30 am

W58B Basic US of Upper Limb Nerves - Median and Ulnar From Elbow to Wrist

Workshop

Describe basic principles of US imaging and equipment requirements; demonstrate scanning technique of the median and ulnar nerves, dynamic testing, and measurements; and discuss sonographic findings of common entrapment neuropathies.

1.50
CME/CEU

Elena Shanina, MD, PhD

10:00 am -
11:30 am

W59B Advanced US Guidance for Neurotoxins

Workshop

Discuss the pros and cons of using in-plane and out-of-plane US views to guide needle placement; compare and contrast the use of EMG needle guidance, nerve stimulation, and US for identifying neurotoxin targets in patients; and identify common targets for needle-guided injections using US.

1.50 CME

Michael C. Munin, MD

10:00 am -
11:30 am

W70B Expert US

Workshop

Demonstrate advanced US practices involving challenging and complicated nerves and measurement techniques of the peripheral nerve in the upper and lower limbs.

1.50
CME/CEU

Jeffrey A. Strakowski, MD

10:00 am -
11:30 am

W76B Basic US of Upper Limb Nerves

Workshop

Describe basic principles of US imaging and equipment requirements; demonstrate scanning technique of the median and ulnar nerves, dynamic testing, and measurements; and discuss sonographic findings of common entrapment neuropathies.

1.50
CME/CEU

Lester S. Duplechan, MD

10:00 am -
11:30 am

W98B Getting the Most Out of Your US System

Workshop

Review the basics of US systems and the system settings needed to perform NMUS; demonstrate the basics of obtaining nerve and muscle images, with potential pitfalls; and discuss how basic NMUS is applied in EDX laboratories.

1.50
CME/CEU

Shumaila Sultan, MD

10:00 am - 11:30 am	Hot Topics in NM Literature - Part 2
Session	Evaluate impactful findings in NM literature over the past year; assess the clinical value of these studies and their impact on NM patients (EDX and sonographic methods, hereditary and acquired myopathy evaluation, peripheral neuropathy testing and treatment, motor neuron disease understanding; and NMJ disorder advancements); summarize hot topics and groundbreaking work in these areas of NM medicine; and incorporate emerging knowledge into clinical practice.
1.50 CME/CEU	Ruple S. Laughlin, MD Bhaskar Roy, MBBS Annabel K. Wang, MD
10:00 am - 11:30 am	Interdisciplinary Care for Peripheral Nerve Injuries
Session	Outline the recommended timeline for evaluating and following patients with acute peripheral nerve injuries; identify the disciplines that should be involved in the care of these patients and describe the role of each discipline; and interpret how the results of EDX testing, US, and magnetic resonance imaging are integrated in a team setting to make collaborative decisions about patient care.
1.50 CME/CEU	Monika Krzesniak-Swinarska, MD Yusha Katie Liu, MD, PhD James B. Meiling, DO Sarah M. Smith, MD
10:00 am - 11:30 am	MUAP Recruitment Analysis Made Simple
Session	Identify MUAP firing rates with a high degree of accuracy; analyze recruitment ratios using auditory recognition skills; evaluate whether recruitment is normal or abnormal across a variety of examples.
1.50 CME/CEU	Devon I. Rubin, MD

10:00 am - 11:30 am	Muscle Pathology in the Era of Next Generation Sequencing and Myositis Antibodies
Session	Identify the typical pathological findings of various acquired and hereditary muscle diseases; correlate muscle pathological findings with EDX abnormalities; and incorporate muscle biopsy appropriately as a diagnostic tool in the context of next-generation sequencing and myositis antibody testing.
1.50 CME/CEU	Robert Bucelli, MD, PhD Teerin Liewluck, MD Stefan Nicolau, MD Erin K. O'Ferrall, MD
10:00 am - 11:30 am	NM Diagnostic Challenges: Pediatric EMG Cases
Session	Describe the role of NCS/EMG in diagnosing NM problems in infants, children, and adolescents; compare the approaches to testing between children and adults and explain how these differences can enhance data acquisition; and evaluate the reliability and quality of data collected in children, considering potential challenges, in comparison to data obtained in adults.
1.50 CME/CEU	Matias J. Lopez-Chacon, MD Bridget McGowan, MD Gabrielle Nguyen, MD Suzanne L. Woodbury, MD
11:30 am - 01:00 pm	Lunch Break
Social Event	Take advantage of your session break by joining our industry partners to discover what's new during a lunch forum or presentation stage. Prefer to explore on your own? Enjoy Union Square's vibrant culinary scene or sample a variety of diverse food trucks nearby while recharging for the sessions ahead.
No CME/CEU	
01:00 pm - 02:30 pm	W07C SFEMG With Voluntary Activation
Workshop	Demonstrate how jitter and fiber density are measured using SFEMG electrodes; and identify machine settings and limitations. Must be familiar with the basic concepts of SFEMG.
1.50 CME	Janice M. Massey, MD Donald B. Sanders, MD

01:00 pm -
02:30 pm

Workshop

W106C EMG Elegance: Techniques and Strategies for Achieving Superior Signal Fidelity

Enhance skills in performing high-quality EMG recordings of key muscles for pinpoint precision and quality results, including facial, trunk, limb, and neck muscles. Quantitative EMG will be demonstrated to obtain reliable results regarding spontaneous activity, multi-MUP analysis, and interference pattern analysis. Attendees will be able to choose the correct muscles in different NM condition evaluations, including motor neuron disease and myopathy.

1.50 CME

Anna R. Punga, MD, PhD

01:00 pm -
02:30 pm

Workshop

W16C MUP Quantitation

Identify the physiologic composition of the MUP, a fundamental signal in routine EMG, and its morphologic analogue, the motor unit; demonstrate the process of interactively recording MUPs by manipulating the EMG system; analyze how MUP signals are altered in NMDs; and apply an objective quantitative approach to assess muscles, akin to performing an electrophysiologic biopsy.

1.50 CME

Paul E. Barkhaus, MD

01:00 pm -
02:30 pm

Workshop

W51C NMUS Anatomy of the Head and Neck for Chemodenervation Procedures

Review functional and NM anatomy of the cranio-cervical region, including a review of complex structural and functional anatomy; correctly identify abnormal postures and the contributing muscles; discuss the benefits and limitations of NMUS; and use US to identify muscles, nerves, and other key structures including US pattern recognition and key regional structures. The goal of this workshop is to optimize safety and patient outcomes when performing chemodenervation procedures in the cranio-cervical region.

1.50
CME/CEU

Katharine E. Alter, MD

01:00 pm -
02:30 pm

Workshop

W55C Myopathies: EDX Approach

Discuss the role of EDX testing in myopathies; identify EDX findings in muscle disorders; determine muscle selection criteria for EDX in patients with suspected myopathy; and use the EDX findings to generate a differential diagnosis.

1.50 CME

Hani A. Kushlaf, MD

01:00 pm -
02:30 pm

Workshop

W74C Advanced Sonographic Needle Guidance for Carpal Tunnel Injections

Explain sono-anatomy of the carpal tunnel and adjacent structures; discuss approaches for US needle imaging; compare US-guided and “blind method” injections for treatment of CTS; and distinguish structural abnormalities and common anatomic variations that may affect the procedure.

1.50 CME

Elena Shanina, MD, PhD

01:00 pm -
02:30 pm

Workshop

W81C Basic US of Lower Limb Nerves

Explain transducer frequencies for lower extremity nerve US and transducer choice; demonstrate Morton's neuroma using echogenicity and methods; trace the sciatic nerve from the ischiofemoral outlet to the posterior thigh; identify muscles for EMG and chemodenervation, and safe needle approaches; demonstrate branching patterns of sciatic, tibial, fibular, and sural nerves; and identify expected US findings of nerve entrapment and non-nerve structures.

1.50 CME

Lester S. Duplechan, MD

01:00 pm -
02:30 pm

Workshop

W86C Advanced US of Upper Limb Nerves

Explain recommended transducer frequencies and image optimization methods for imaging of upper extremity nerves; demonstrate scanning technique and measurement of the following nerves: musculocutaneous, MAC, and LAC; describe and demonstrate the branching pattern of radial nerve from arm to wrist including PIN and superficial radial sensory; discuss sonographic findings of the most frequent abnormalities affecting these nerves; and list expected findings in structures other than nerve that may be significant. This workshop will focus on musculocutaneous, radial from arm to wrist including PIN and superficial radial sensory, MAC, and LAC.

1.50
CME/CEU

Monika Krzesniak-Swinarska, MD

01:00 pm -
02:30 pm

Workshop

W88C EDX Evaluation of the Proximal Upper and Lower Limb Nerves, With Adjunctive Use of US

Explain the rationale and clinical context for performing specific proximal NCSs; describe the best practices to obtain reliable and reproducible responses; address the technical challenges of obtaining responses in proximal nerves; and demonstrate the role of US in performing proximal NCSs.

1.50
CME/CEU

Andrea J. Boon, MB ChB | William J. Litchy, MD

01:00 pm -
02:30 pm

Workshop

W99C Facial NCS and Blink Reflexes

Perform neurophysiological testing of the facial nerve and blink reflexes; discuss the principles and practice of studying the facial NCS and the blink reflex with electric stimulation; and identify the clinical values and limitations of the blink reflex as an EDX study.

1.50
CME/CEU

Bashar Katirji, MD

01:00 pm -
02:30 pm

Session

EDX as a Prognostic Tool: Case-Based Interactive Session

In this interactive, case-based session, participants will rotate through four stations, using EDX to determine the prognosis for each case. Data will be revealed in real time, and participants will practice study design and data interpretation in small groups. Identify key elements of an EDX study that inform prognosis; critically design and tailor an EDX examination in real time to yield information on prognosis; formulate diagnostic impressions that include prognosis; and discuss how the findings may influence the next steps in a patient's care.

1.50
CME/CEU

Haibi Cai, MD | Anthony E. Chiodo, MD, MBA | Sandra L. Hearn, MD | Sarah M. Smith, MD

01:00 pm -
02:30 pm

Session

Lessons From the Lab LIVE!

Examine a practical EDX approach and outline a step-by-step decision-making process based on the analysis of individual sequential EDX data in patients presenting with new NM symptoms.

1.50
CME/CEU

Devon I. Rubin, MD

01:00 pm -
02:30 pm

Session

MGFA Session

The Myasthenia Gravis Foundation of America (MGFA) Medical & Scientific Advisory Council (MSAC) invites clinical and scientific experts to share current and prospective peer-reviewed research focused on myasthenia gravis (MG) and related disorders of the NMJ. The scientific session will include presentations highlighting the latest advancements in our understanding of MG etiology, immunopathology, therapeutic developments, and management. Program and speakers subject to change.

No CME/CEU

01:00 pm -
02:30 pm

Muscle US: Quantitative Assessment and Patterns of Muscle Involvement

Session

Evaluate US findings characteristic of myopathic and neurogenic disorders; explain methods for quantifying skeletal muscle thickness and echo intensity; assess the utility of quantitative muscle US for diagnosis and disease monitoring; and demonstrate the application of quantitative muscle US techniques in evaluating patients with NMDs.

1.50
CME/CEU

Adam D. Comer, MD | James B. Meiling, DO

01:00 pm -
02:30 pm

New Frontiers in Nerve Injury: Emerging and Experimental Therapeutics

Session

Explore cutting-edge devices, therapeutics, and surgical and rehabilitation strategies to optimize and measure recovery after nerve injury and repair. Discuss axonal regeneration with nerve stimulation and intraoperative polyethylene glycol fusion; analyze CNS plasticity and reorganization following nerve transfer procedures, including the implications of neurotherapeutic hypoxia, spinal cord stimulation, and targeted neuro-rehabilitation strategies; identify predictors of optimal surgical candidates for nerve transfer surgery; examine objective nerve assessments including muscle US, targeted electrophysiology, and exam measures.

1.50
CME/CEU

Mike Berger, MD, PhD | Colin K. Franz, MD, PhD | Sarada Sakamuri, MD | TJ Wilson, MD

01:00 pm -
02:30 pm

Planning NCS

Session

Implement a rational approach to selecting NCS based on presenting symptoms; and compare the advantages and disadvantages of specific NCS and apply them appropriately based on clinical studies.

This is a technologist-focused session. Anyone who has interest is welcome to attend.

1.50
CME/CEU

Daniel B. Simmons, MD | Brian Stephens, MD

01:00 pm -
02:30 pm

Small Fiber Diagnostic Techniques in Children

Session

Identify several techniques to assess vasomotor reactivity in children; recognize the differences between using quantitative sudomotor axon reflex testing (QSART) and Thermoregulatory Sweat Testing (TST) to assess sweating in children and use that knowledge diagnostically; and assess cardiovascular reactivity in children using bedside monitoring and by invoking responses with hyperventilation and Valsalva maneuvers.

1.50
CME/CEU

Nancy L. Kuntz, MD | Bridget McGowan, MD

02:30 pm -
03:30 pm

Advanced Practice Provider Meet & Greet

Social Event

Join fellow advanced practice providers, and association leaders to learn how to navigate all the opportunities available at the meeting.

No CME/CEU

02:30 pm -
03:30 pm

Break

Social Event

Enjoy complimentary refreshments and use break time to network and socialize with your colleagues.

No CME/CEU

02:30 pm -
03:30 pm

Speed Networking Activity

Social Event

Join a fun, easy way to network at the AANEM Annual Meeting, while building connections with peers, leaders, and other professionals in NM and EDX medicine. Plan to attend our networking event early, because space is limited. Networkers will make several connections during the session, so remember your business cards.

No CME/CEU

02:30 pm -
03:30 pm

Technologist Meet & Greet

Social Event

Join fellow technologists to learn how to navigate all the opportunities available at the meeting.

No CME/CEU

03:30 pm -
05:30 pm

Plenary 1: Back to the Future: Advances in NM Medicine

Session

Discuss the adoption of nerve transfers in surgery, how they improve recovery, and the role of EDX testing in evaluating nerve injuries. Dr. MacKinnon emphasizes the importance of collaboration between surgeons, neurologists, and PM&R physicians to enhance patient outcomes.

Discuss the latest developments in NM imaging, especially for visualizing peripheral nerves at the fascicular level, and its future impact on diagnosing and treating nerve diseases.

Note: AANEM's Annual Business Meeting will be held at the beginning of this session. Fellow, Active, and Research members will have the opportunity to vote and are encouraged to attend.

2.00
CME/CEU

Lisa D. Hobson-Webb, MD | Susan
Mackinnon, MD | Nicholas J. Silvestri, MD |
Faye C. Tan, MD

05:30 pm -
07:00 pm

Exhibit Hall

Social Event

Learn about the products that help you provide quality care for your patients. Stop by the Exhibit Hall and see the latest innovations in our industry.

No CME/CEU

05:30 pm -
07:00 pm

President's Reception

Social Event

The President's Reception is the official kickoff event of the meeting each year. Socialize with attendees and exhibitors while enjoying appetizers, beer, wine, and refreshments. Sponsored by UCB, Inc.

No CME/CEU

AANEM PODCAST

Transform brief moments into powerful learning opportunities with the AANEM Podcast.

From complex brachial plexopathies to the latest in myasthenia gravis treatment—we bring NM expertise straight to you.



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Google Podcasts, and AANEM.org

#AANEMinSanFran

Join the #AANEMinSanFran conversation and community on social media to connect with fellow meeting attendees, share in the excitement, and stay up-to-date on all the latest meeting updates.



07:00 am -
08:00 am

Medical Student Breakfast

Social Event

Join fellow medical students and Young Leadership Council representatives to learn how to navigate all the opportunities at the meeting.

Registration is required.

No CME/CEU

07:30 am -
07:00 pm

Poster Hall

Social Event

Stroll through the Poster Hall to view this year's research. Refer to the the Poster Presentation List and the Abstract Poster Session times in the Program to determine when specific authors will be available to discuss their research.

No CME/CEU

08:00 am -
09:30 am

W02RTA Autonomic Testing

Workshop

Familiarize participants with three quantitative tests of autonomic function using specialized equipment designed for autonomic reflex function testing, including sudomotor testing, cardiovagal testing with heart-rate response to deep breathing, and Valsalva maneuver testing to evaluate cardiovagal and adrenergic function.

Limited to residents, fellows, technologists, and medical students only.

1.50
CME/CEU

Amanda C. Peltier, MD, MS

08:00 am -
09:30 am

W115RTA Measuring Real World Motor Outcomes

Workshop

One of the major challenges in many NM diseases is evaluating real world therapy outcomes. We will address novel methods to assess these outcomes.

Limited to physicians, residents, fellows, technologists, and medical students.

1.50
CME/CEU

Mathula Thangarajh, MD, PhD

08:00 am -
09:30 am

W11RTA Advanced EMG and US of Respiratory System

Workshop

Perform phrenic NCSs; utilize techniques for safe needle EMG of the diaphragm (including US assisted); localize and perform needle EMG of chest wall muscles, which are helpful in the diagnosis of respiratory failure; and utilize US for evaluating thickness and contractility of the diaphragm.

Limited to physicians, residents, fellows, and medical students.

1.50 CME

Andrea J. Boon, MB ChB | William J. Litchy, MD

08:00 am -
09:30 am

W193RTA Basic MSK and Muscle US - Lower Limb

Workshop

Review typical indications for NMUS, as well as recognition and scanning techniques for key peripheral nerve and MSK structures of the lower limb, including evaluation of the knee and ankle joints as well as fibular and tibial nerves.

This is an introductory workshop limited to residents, fellows, technologists, and medical students only.

1.50
CME/CEU

Dale Colorado, DO, MPH | Emily Miller Olson, MD

08:00 am -
09:30 am

W21RTA NCS Pitfalls

Workshop

Identify common instrumentation, physiologic, and operator errors; alter recording electrode montages and use the instrument's filters to help optimize the recording of motor and sensory potentials; and minimize stimulus artifact interference with waveform recording.

Limited to residents, fellows, technologists, and medical students only.

1.50
CME/CEU

Bassam A. Bassam, MD

08:00 am -
09:30 am

Workshop

W83RTA Basic Nerve US - Upper Limb

Discuss US devices and equipment, how to incorporate US into a busy EDX laboratory, how to image muscle, how to image nerve, and how to assess for the following potential conditions: CTS, ulnar neuropathy at the elbow, ulnar neuropathy at the wrist, and fibular neuropathy at the knee. As time permits, the assessment of other NM conditions will be addressed.

Limited to residents, fellows, and medical students only.

1.50 CME

Shumaila Sultan, MD

08:00 am -
08:40 am

Session

Approach to the NM Exam for APPs

Identify the key components of the NM exam; differentiate various physical exam approaches based on common NM symptoms or diagnoses; apply a localization-based framework to interpret physical exam findings; and perform exam techniques and special tests for the evaluation of NM and musculoskeletal (MSK) differential diagnoses.

This is an "Ask the Expert" session. There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.

0.75
CME/CEU

Phillip Mongioli, MD | Maggie Naclerio, PA-C

08:00 am -
09:30 am

Session

CAR-T Therapy for NDS: How Far Can This Treatment Take Us?

Describe the fundamental principles of CAR-T cell design and function; outline the multi-disciplinary team involvement and processes required for CAR-T cell production; define early experience with and differences between CAR-T therapies in autoimmune NMDs; describe early identification and treatment of novel and severe acute toxicity (cytokine release syndrome [CRS], immune effector cell-associated neurotoxicity syndrome [ICANS]) that can be seen in CAR-T therapies; and define early experience in safety and tolerability between CAR-T use in autoimmune disorders compared with oncologic indications.

1.50
CME/CEU

Ali A. Habib, MD | Lekha Mikkilineni, MD |
Srikanth Muppudi, MD

08:00 am -
08:40 am

Session

Debate: Should AANEM Mandate NMUS Credentialing?

Analyze models utilized by various medical specialties for point of care US training and credentialing; Evaluate the advantages and disadvantages of a comprehensive training and credentialing pathway for NM POCUS.

This session is a debate, immediately followed by the How Can Sonographers Navigate Institutional Barriers? Ask the Expert session.

There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.

0.75
CME/CEU

Marie Beaudin, MD, MSc | Gautam Malhotra,
MD | Sarada Sakamuri, MD

08:00 am - 09:30 am **EDX NM Challenging Cases - Part 1**

Session
Implement and optimize the process of diagnostic formulation in NM medicine and clinical EMG, and assess and enhance patient care by presenting and analyzing challenging NM and EDX cases.

1.50
CME/CEU
Bashar Katirji, MD

08:00 am - 08:40 am **How to Become a Site PI**

Session
Describe the steps involved in initiating a research career; summarize various learning opportunities related to research methodology; explain the requirements of the Sunshine Act; identify key components of a successful research team to support the role of a principal investigator (PI); and recommend creative and practical solutions to address challenges in trial participation, in order to improve trial enrollment and time management.

This is an "Ask the Expert" session. There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.

0.75
CME/CEU
Kavita M. Grover, MD

08:00 am - 08:40 am **How to Get Started in NM Space Medicine**

Session
Identify the learning materials (textbooks, courses, major meetings) that can be used to initiate learning in Space Medicine and explain the unique medical needs of future space travelers that NM Medicine physicians can address.

This is an "Ask the Expert" session. There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.

0.75
CME/CEU
Faye C. Tan, MD

08:00 am - 09:30 am **Pediatric EMG Pearls**

Session
Establish a pediatric EDX laboratory (comparing sedated and non-sedated EMG, developing study protocols, and training participants); evaluate the role of pediatric EDX in the context of contemporary genetic testing; and assess the value of serial EMG studies and incorporating MSK US in the pediatric EDX laboratory.

1.50
CME/CEU
Alexander Fay, MD, PhD | Ai Sakonju, MD | Sumit Verma, MD

08:00 am - 09:30 am **Program Director's Symposium**

Session
This interactive symposium will focus on evaluating and discussing opportunities and current solutions for competency assessment within EDX and NM fellowships. The panel discussion will encompass three main areas: clinical care, EDX skills, and NMUS. At present, the ACGME mandates competency assessment through milestones, but there is a noticeable gap in formal and vetted tools to evaluate trainees. Panelists will share and review the tools they have developed or utilized along with their limitations. The goal is to engage symposium participants to identify new opportunities or needs that they can apply to their own programs or tools they can share with others. This symposium can fulfill the ACGME Program Requirement for annual faculty development (II.B.2.f) of core faculty and program directors.

1.50
CME/CEU
Michael K. Hehir, MD | Ruple S. Laughlin, MD | Marianne Luetmer, MD

08:00 am - 09:30 am **SFEMG - Principles, Practice, and Pitfalls**

Session
Explain the EDX principles underlying SFEMG technique and jitter measurement; describe technical pitfalls that can result in misidentification of jitter and blocking; and apply jitter assessment to clinical situations, differentiating between scenarios where it provides valuable insight and those where it may mislead the clinician.

1.50
CME/CEU
Amanda C. Guidon, MD | Vern C. Juel, MD | Donald B. Sanders, MD

08:00 am -
08:40 am

Stepwise Approach to the Diagnosis and Treatment of CIDP

Session

Describe the stepwise approach to diagnose CIDP, based on identifying the clinical phenotype; apply the EDX criteria for diagnosis; distinguish red flags/mimickers of CIDP; and summarize the latest treatment approaches for CIDP.

This is an "Ask the Expert" session. There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.

0.75
CME/CEU

Said R. Beydoun, MD

08:00 am -
09:30 am

The Path to Becoming an EDX/NM Neurologist and PM&R Physician

Session

Panelists will share insights on residency and fellowship training, clinical practice settings, and emerging trends in the field to help students make informed career decisions. Gain a comprehensive understanding of the training pathways, career opportunities, and key considerations involved in becoming an EDX and NM neurologist or PM&R physician.

This session is designed for medical students and residents.

1.50
CME/CEU

Zachary N. London, MD | Amber Vocelle, DO, PhD

08:00 am -
08:40 am

TOS

Session

Identify clinical features of the five entities recognized as TOS: true neurogenic (TN-TOS), arterial (A-TOS), venous (V-TOS), traumatic neurovascular, and disputed TOS; differentiate conditions that mimic TN-TOS; evaluate imaging studies used for the assessment of patients with suspected TOS; interpret EDX findings of TN-TOS; and discuss treatment options for the various types of TOS.

This is an "Ask the Expert" session. There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.

0.75
CME/CEU

Vita G. Kesner, MD, PhD

08:00 am -
09:30 am

You Make the Call: An Interactive Approach to EMG Waveform Recognition Skills - Basic

Session

Describe the firing patterns of different types of EMG waveforms; distinguish the characteristics of a variety of normal and abnormal spontaneous waveforms; analyze normal and abnormal patterns of recruitment of MUAPs; and interpret the significance of changes in the morphology of MUAPs in diseases.

This session is designed for physicians performing EMGs.

1.50 CME

Devon I. Rubin, MD



Engage with a lively digital community on the latest NM and EDX topics exclusively for trainees with Trainee Connect.

Join the conversation at www.aanem.org/Trainee-Connect.

08:45 am -
09:30 am

hATTR Polyneuropathy Diagnosis and Treatment Approach

Session

Assess hATTR polyneuropathy based on clinical presentation and the application of diagnostic tools; identify red flags associated with hATTR polyneuropathy; and recognize the importance of early diagnosis and treatment for hATTR polyneuropathy.

This is an "Ask the Expert" session. There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.

0.75
CME/CEU

Said R. Beydoun, MD

08:45 am -
09:30 am

How Can Sonographers Navigate Institutional Barriers?

Session

Strategically navigate pushback from radiology, healthcare system administrators, and risk management; identify specific rationale and language that can be used to justify and integrate NM POCUS in the healthcare system.

This is an ATE session, immediately preceded by Debate: Should AANEM Mandate NMUS Credentialing?

There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.

0.75
CME/CEU

Marie Beaudin, MD, MSc | Lisa D. Hobson-Webb, MD | David C. Preston, MD | Sarada Sakamuri, MD

08:45 am -
09:30 am

How to Incorporate US in Pediatric Practice

Session

Describe the benefits and limitations of US in pediatric NM practice; summarize age-related changes of the peripheral nervous system; illustrate methods for incorporating nerve US in children; and evaluate the use of muscle US as an appropriate initial screening test in evaluating NMDs.

This is an "Ask the Expert" session. There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.

0.75
CME/CEU

Monika Krzesniak-Swinarska, MD

08:45 am -
09:30 am

Interpretation of EDX for APPs

Session

Explain how to interpret the information presented in an EDX report; identify features of a good EDX report; and discuss how findings may guide next steps in patient care.

This is an "Ask the Expert" session. There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.

0.75
CME/CEU

Phillip Mongioli, MD

08:45 am -
09:30 am

Practical Management of Brachial Plexopathies

Session

Describe the outcomes of brachial plexopathies and review and compare tendon and nerve transfer surgical options.

This is an "Ask the Expert" session. There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.

0.75
CME/CEU

Kathy Chuang, MD

08:45 am -
09:30 am

Small Fiber Neuropathy

Session

Discuss how to overcome challenges in diagnosis, discuss testing needs and treatment options available.

This is an "Ask the Expert" session. There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.

0.75
CME/CEU

Divpreet Kaur, MD

09:00 am -
04:00 pm

Exhibit Hall

Social Event

Learn about the products that help you provide quality care for your patients. Stop by the Exhibit Hall and see the latest innovations in our industry.

No CME/CEU

09:30 am -
10:00 am

Break

Social Event

Enjoy complimentary refreshments in the Exhibit Hall and use break time to network and socialize with your colleagues.

No CME/CEU

10:00 am -
11:30 am

EDX NM Challenging Cases - Part 2

Session

Implement and optimize the process of diagnostic formulation in NM medicine and clinical EMG, and assess and enhance patient care by presenting and analyzing challenging NM and EDX cases.

1.50
CME/CEU

Bashar Katirji, MD

10:00 am -
11:30 am

Muscular Dystrophies Across the Lifespan - Part 1: Diagnostic Odyssey

Session

Identify the different types of muscular dystrophies that present from infancy to late adulthood; determine appropriate ancillary tests to assist in the diagnosis of muscular dystrophies; and analyze and interpret the results of those tests, including variants of unknown significance.

1.50
CME/CEU

Teerin Liewluck, MD | Pushpa Narayanaswami, MD | Erin K. O'Ferrall, MD | Megan A. Waldrop

10:00 am -
11:30 am

Nerve US for Surgical Planning

Session

Identify the basic pathophysiology of peripheral nerve injury secondary to trauma and relevant US correlations; examine individual cases to assess how US findings correlate with nerve trauma; evaluate how US findings may influence the patient's diagnosis and/or management, particularly in relation to surgical planning; and engage in effective collaboration with surgical colleagues for treatment planning in patients with nerve injuries.

1.50
CME/CEU

Yusha Katie Liu, MD, PhD | Sarada Sakamuri, MD | Sarah M. Smith, MD

10:00 am -
11:30 am

NM Care Across the Female Lifespan: Sex Hormones, Aging, and Neuromusculoskeletal Care

Session

Summarize current literature regarding the effects of perimenopause and postmenopause on the peripheral nervous and MSK systems; identify the evolving range of treatment options available in the United States for perimenopausal and postmenopausal individuals; discuss potential implications for neuromusculoskeletal practice, including EMG and MSK care, considering the unique needs of this population.

1.50
CME/CEU

Ileana Howard, MD | Rebecca A. O'Bryan, MD | Seneca A. Storm, MD | Amanda Wise, DO

10:00 am -
11:30 am

Technologist Roundtable Discussion: Challenging Cases - 1

Session

Discuss advanced EDX cases in a small group setting with NM faculty.

This round table session is limited to technologists.

1.50
CME/CEU

Christopher Hanson, R.NCS.T. | Ruple S. Laughlin, MD | John W. Norbury, MD | Macy A. Taylor, R.EEG T., R. NCS. T.

10:00 am -
11:30 am

The Life of EDX/NM Neurologists and PM&R Physicians

Session

Panelists will provide insights into clinical practice, patient care, interdisciplinary collaboration, and career satisfaction to help students envision their future in these specialties. Acquire a deeper understanding of the day-to-day responsibilities, work-life balance, and professional experiences of EDX and NM neurologists and PM&R physicians.

This session is designed for medical students and residents.

1.50
CME/CEU

Ryan D. Jacobson, MD | Nassim Rad, MD

10:00 am -
11:30 am

US Evaluation of Post Surgical Brachial Plexus

Session

Develop a systemic approach to using US to assess the supraclavicular, infraclavicular, and branch level of the brachial plexus and discuss the relative strengths and limitations of EDX and NMUS and other imaging.

Case examples of varying sources of brachial plexus dysfunction will be discussed.

1.50
CME/CEU

Jeffrey A. Strakowski, MD

10:00 am -
11:30 am

You Make the Call: An Interactive, Multimedia Approach to Improving EMG Waveform - Advanced

Session

Describe the characteristics of various uncommon abnormal spontaneous waveforms; differentiate between normal and abnormal patterns of MUAP recruitment; analyze subtle or complex changes in MUAP morphology; and explain their significance in relation to specific diseases.

The workshop will incorporate audience participation and video demonstrations of EMG waveforms.

This session is designed for physicians performing EMGs.

1.50 CME

Devon I. Rubin, MD

11:30 am -
01:00 pm

Lunch Break

Social Event

Take advantage of your session break by joining our industry partners to discover what's new during a lunch forum or presentation stage. Prefer to explore on your own? Enjoy Union Square's vibrant culinary scene or sample a variety of diverse food trucks nearby while recharging for the sessions ahead.

No CME/CEU

01:00 pm -
02:30 pm

W107RTC US Anatomy for EMG

Workshop

Demonstrate how US can enhance the safety and accuracy of needle placement in the EMG lab; recognize situations in which US may be a useful adjunct for muscle localization; identify with US relevant muscle anatomy and nearby nervous/vascular structures for optimal needle placement including but not limited to pronator teres, flexor digitorum profundus, extensor digitorum communis, extensor carpi radialis, flexor pollicis longus, abductor pollicis brevis, rectus femoris, long and short heads of the biceps femoris, tibialis anterior, extensor digitorum longus, fibularis longus, extensor hallucis longus, and tibialis posterior.

Limited to physicians, residents, fellows, and medical students.

1.50 CME

Marie Beaudin, MD, MSc

01:00 pm -
02:30 pm

Workshop

W109RTC Unusual Upper Limb Nerve Conductions

Perform reliable nerve conductions in evaluation of the following nerves: medial antebrachial cutaneous, lateral antebrachial cutaneous, anterior interosseus, radial motor, ulnar motor evaluation to first dorsal interosseus muscle, suprascapular, and axillary nerves.

Limited to residents, fellows, technologists, and medical students only.

1.50
CME/CEU

Lester S. Duplechan, MD

01:00 pm -
02:30 pm

Workshop

W116RTC Localization of Atypical Muscles on Needle EMG

Localize atypical muscles, including rhomboids, serratus anterior, supraspinatus, infraspinatus, teres minor, teres major, latissimus dorsi, iliopsoas, adductor longus/brevis, amongst others on needle exam.

Limited to residents, fellows, medical students, and physicians only.

1.50 CME

Kathy Chuang, MD

01:00 pm -
02:30 pm

Workshop

W293RTC Basic MSK and Muscle US - Upper Limb

Describe typical indications for NMUS, as well as recognition and scanning techniques for key peripheral nerves and MSK structures of the upper limb. Hands-on practice will emphasize evaluation of the shoulder and elbow joints, as well as the median, ulnar and radial nerves.

Limited to residents, fellows, technologists, and medical students with some experience conducting NMUS.

1.50
CME/CEU

Rebecca Dutton, MD | Shaohua Xu, MD, PhD

01:00 pm -
02:30 pm

Workshop

W35RTC Needle EMG of the Foot

Discuss the anatomy of the tibial nerve branches in the foot (including the medial plantar nerve, lateral plantar nerve, and Baxter's nerve) and the deep peroneal nerve branches in the foot; identify the potential entrapment sites for these nerve branches; distinguish the anatomic basis for needle placement; discuss special considerations for the technique in each muscle; and identify how to develop a meaningful interpretation of findings.

Limited to physicians, residents, fellows, and medical students.

1.50 CME

Tracy A. Park, MD

01:00 pm -
02:30 pm

Workshop

W83RTC Basic Nerve US - Lower Limb

Review the scanning techniques for the nerves of the lower limb, with a focus on scanning of the tibial and fibular nerves.

Limited to residents, fellows, technologists, and medical students only.

1.50
CME/CEU

Mansoureh Mamarabadi, MD

01:00 pm -
02:30 pm

Workshop

W91RTC EDX Evaluation of NMJ Transmission Disorder

Discuss the EDX approach to delineate NMJ disorders using RNS; perform RNS of hand, shoulder, and facial muscles; and discern patterns of findings suggestive of disease versus technical artifact.

Limited to residents, fellows, and medical students only.

1.50 CME

Ruple S. Laughlin, MD

01:00 pm -
02:30 pm

Basic NCS Physiology and Anomalous Innervations

Session

Explain the basic physiological principles of NCS; identify patterns of peripheral nerve dysfunction based on NCS findings; and discuss anomalous innervations and the methods to confirm their presence using NCS.

This is a technologist-focused session. Anyone who has interest is welcome to attend.

1.50
CME/CEU

Morgan Jordan, DO | Daniel B. Simmons, MD

01:00 pm -
02:30 pm

Mitochondrial NMDS

Session

Describe pediatric onset mitochondrial disorders that cause myopathy, neuropathy, or mixed patterns; analyze case studies related to these disorders; interpret genetic testing results related to these disorders; summarize current insights into the pathophysiology and treatment of these conditions; and review research updates concerning Friedreich ataxia in pediatrics.

1.50
CME/CEU

Matthew Ginsberg, MD | Ai Sakonju, MD | S. H. Subramony, MD

01:00 pm -
02:30 pm

Muscular Dystrophies Across the Lifespan - Part 2: Management and Therapies

Session

Recognize the systemic manifestations of certain types of muscular dystrophies and implement appropriate surveillance; provide comprehensive care for patients with muscular dystrophies, including rehabilitation; and navigate the advances in genetic therapies, including those currently available and those under development.

1.50
CME/CEU

Susan Apkon, MD | Hani A. Kushlaf, MD | Teerin Liewluck, MD | Stefan Nicolau, MD | Jeffrey Statland, MD

01:00 pm -
02:30 pm

NM Health and Function in Space: From Mice to Mars

Session

Enhance knowledge of the effects of space travel on NM health and function, as well as strategies for monitoring and addressing these potential effects.

Participants will be able to discuss the challenges associated with extended missions in space and the current research efforts aimed at ensuring successful long-term exploration of the solar system.

This is a roundtable session.

1.50
CME/CEU

Tim Macaulay, PhD | Seward B. Rutkove, MD

01:00 pm -
02:30 pm

NMUS for MSK Conditions Encountered During an NM Evaluation: An Interactive Demo With Live Q & A

Session

Identify common MSK problems that can confound symptom presentation and NM evaluations when using high-frequency US; discuss MSK dilemmas facing NM specialists; and describe techniques for identifying confounding concomitant MSK comorbidities.

1.50
CME/CEU

Jeffrey A. Strakowski, MD | Craig M. Zaidman, MD

01:00 pm -
02:30 pm

Paradigm Clashes: Debate and Exploration in Choosing Traditional vs Novel Immunotherapeutics for MG

Session

Compare the advantages and pitfalls of traditional immunotherapies for MG, including corticosteroids, corticosteroid-sparing agents, and thymectomy; describe the advantages and pitfalls of novel immunotherapies for MG, such as B-cell depleting agents, complement inhibitors, and FcRn inhibitors; and develop an individualized and cost-effective approach to managing patients with MG.

1.50
CME/CEU

Benjamin Claytor, MD | Neelam Goyal, MD | Michael K. Hehir, MD | Yuebing Li, MD, PhD | Mamatha Pasnoor, MD

01:00 pm -
02:30 pm

Session

When Is One EDX Not Enough? The Rational for if and When to Perform Serial Studies

Most electrodiagnosticians occasionally perform repeat or serial EDX. However, a lack of precise understanding of what these studies can and cannot add is a barrier to precise interpretation and meaningful communication. This session will provide a rational approach to serial EDX and provide examples of how to design a repeat study and tailor the interpretation with the prior study in mind. Describe four broad indications for serial EDX; explain how serial EDX informs the pathophysiology, temporal evolution, and spatial evolution of neurologic abnormalities; apply this knowledge to identify common clinical situations for serial EDX; design and interpret serial EDX studies to provide diagnostic clarity or inform prognosis; and identify limitations of serial EDX and describe low-utility situations.

1.50
CME/CEU

Sandra L. Hearn, MD | Ileana Howard, MD | Gautam Malhotra, MD | Lawrence R. Robinson, MD | Amro M. Stino, MD

02:30 pm -
03:30 pm

Social Event

Break

Enjoy complimentary coffee and tea in the Exhibit Hall and use break time to network and socialize with your colleagues.

No CME/CEU

03:30 pm -
05:30 pm

Session

Plenary 2: Back to the Future: Advances in NM Medicine

Describe recent advancements in ALS drug development, including collaborative efforts, innovative trial designs, and patient-centered research approaches to accelerate therapy evaluation; and explain how iPhone and Apple Watch sensors capture movement metrics and discuss how these data are used by consumers, companies, and researchers to support patient care.

2.00
CME/CEU

Lauren Cheung, MD | Lisa D. Hobson-Webb, MD | Sabrina Paganoni, MD, PhD | Nicholas J. Silvestri, MD | Faye C. Tan, MD

05:30 pm -
07:00 pm

Social Event

Abstract Award Reception

Enjoy an evening celebrating research! Socialize with colleagues and abstract authors while enjoying complimentary food, wine, beer, and other refreshments. All abstract authors will be available to discuss their research. Be sure to visit the Golseth, Best Abstract, Best Abstract Runner-Up, and President's Research award-winning abstracts. Sponsored by Catalyst Pharmaceuticals, Inc.

No CME/CEU

06:15 pm -
06:45 pm

Social Event

Abstract Poster Session I

Abstract authors will be available to discuss their research. Stop by to review the information from this year's abstracts and meet the authors. Refer to the Poster Presentations List in the Program for abstract titles and authors that will be available to discuss their research.

No CME/CEU

06:45 pm -
08:30 pm

Social Event

Pediatric Networking Dinner

Join us for an exclusive networking event for pediatric NM physicians and advanced practice providers (APPs). You will have the opportunity to connect with other pediatric peers, share insights, and build professional relationships. This exciting event celebrates excellence in pediatric NM research with brief presentations from the American Neuromuscular Foundation NM pediatric abstract award winners. Don't miss this chance to expand your network and celebrate the award winners. Sponsored by Sarepta Therapeutics.

Dinner will be provided by AANEM for session attendees. Seating is limited. Open to attendees interested in Pediatric Medicine.

Registration is required.

No CME/CEU

07:00 pm - 09:00 pm **EMG Talk**

Social Event

Entertaining, lighthearted look at EMG that is sure to provide a lot of laughs. Join the fun and camaraderie, including complimentary drinks and sweet treats. Sponsored by Cadwell Laboratories, Inc.

Get ready to bid on some iconic EMG Talk hats from the past! Spike and Wave will host a live auction of these unique items are sure to be a hit among EMG enthusiasts. The hat auction will benefit the American Neuromuscular Foundation.

No CME/CEU

William J. Litchy, MD | Lawrence R. Robinson, MD



Take the next step in your career with the help of the AANEM Career Center.

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- Upload your resume to easily apply

Find a new job today.
HealtheCareers.com/AANEM



07:30 am -
04:00 pm

Poster Hall

Social Event

Stroll through the Poster Hall to view this year's research. Poster authors will be available at specified times to discuss their research.

No CME/CEU

08:00 am -
09:30 am

W102RFA NCS in the Foot

Workshop

Discuss the basics and "tricks of the trade" in recording multiple sensory and motor NCS in the foot, including medial and lateral plantar nerves (sensory & motor), Baxter's nerve (aka 1st branch of lateral plantar nerve), superficial fibular (peroneal) sensory nerve, saphenous nerve, sural sensory nerve, and describe to do a novel motor NCS technique of the deep peroneal nerve with recording over extensor digitorum brevis that is based on anatomic landmarks, is reliable and easily reproducible; develop an algorithm when doing motor and sensory NCS to evaluate for TTS vs tibial branch neuropathy in the foot, and recognize when to perform different sensory and motor NCS to differentiate TTS from peripheral polyneuropathy.

Limited to residents, fellows, technologists, novice EDX physicians (<5 yrs in practice) and medical students only.

1.50
CME/CEU

David R. Del Toro, MD

08:00 am -
09:30 am

W110RFA RNS and Blink Reflexes

Workshop

Perform RNS studies and blink reflexes with correct technique; and discuss the clinical scenarios in which these studies are best utilized.

Limited to residents, fellows, technologists, and medical students only.

1.50
CME/CEU

Betty J. Mitchell, R.NCS.T.

08:00 am -
09:30 am

W114RFA Stimulated SFEMG for NMJ Disorders in Pediatrics and Sedated Patients

Workshop

NMJ disorders are treatable with specific medications, yet the diagnosis can be tricky in pediatrics. Stimulated SFEMG is a method that does not require voluntary muscle contraction, is relatively quick, and effective in diagnosing children with NMJ dysfunction. In this session, cases as well as demonstration of techniques will be reviewed.

Limited to physicians, residents, and fellows only.

1.50 CME

Ai Sakonju, MD | Sumit Verma, MD

08:00 am -
09:30 am

W117RFA Mastering RNS and NCS: Strategies for Success and Common Pitfalls

Workshop

Recognize how to perform RNS and NCSs in the best possible technical way, also including difficult nerves; recognize common errors in recording and operator technique; adjust stimulating and recording electrodes for optimal recording of motor and sensory potentials; and recognize actual abnormal and technical decrements in RNS.

Limited to residents, fellows, technologists, and novice EDX physicians only.

1.50
CME/CEU

Annika K. Eriksson | Anna R. Punga, MD, PhD

08:00 am - 09:30 am	W118RFA RNS With Clinical Applications in Diagnosis of NMJ Disorders
Workshop	Review physiology of NMJ in healthy states and in states of disease; Discuss the principles and practice RNS of spinal accessory, median, ulnar and facial nerves; Identify electrophysiology in presynaptic and postsynaptic disorders; discuss quality control when performing RNS; and recognize technical challenges and limitations of RNS in diagnosing NMJ disorders
	Limited to residents, fellows, and novice EDX physicians (<5 yrs in practice) only.
1.50 CME/CEU	Vita G. Kesner, MD, PhD
08:00 am - 09:30 am	W90RFA Pearls and Pitfalls in Performing NCS
Workshop	Through an interactive workshop, identify the pearls and pitfalls of NCSs and answer your burning NCS questions.
	Limited to residents, fellows, technologists, and medical students only.
1.50 CME/CEU	Kim Rosenworth, CNC T. , BS Teresa Spiegelberg, CNCT, R.NCS.T., R.EEGT
08:00 am - 09:30 am	W92RFA Advanced Nerve US - Lower Limb
Workshop	Perform scanning techniques for nerves of the lower limb, including but not necessarily limited to the fibular nerve (including deep and superficial branches), tibial nerve (including the branchpoint for the medial and lateral plantar nerves, sural nerve, and lateral femoral cutaneous nerve). Hands-on scanning will be emphasized.
	Limited to residents, fellows, technologists, and medical students with some experience conducting NMUS.
1.50 CME/CEU	Nicholas J. Miller, MD

08:00 am - 09:30 am	Basics of NCS and Needle EMG - Part 1
Session	Describe the basic concepts underlying nerve conduction and approach to the study; perform and interpret NCSs in the upper and lower extremities and recognize anomalous innervations; summarize the use of specialized studies including RNS, cranial nerve studies, and blink reflex; utilize needle EMG for the diagnosis of NM disorders and identify common pitfalls; and explain technical factors and important safety considerations affecting the study.
1.50 CME/CEU	Kelly G. Gwathmey, MD Mohammad K. Salajegheh, MD
08:00 am - 09:30 am	Challenging Imaging Cases
Session	Identify challenging imaging findings encountered on NMUS including anomalies of nerve, muscle, and bone; neoplastic lesions of nerve and nearby structures; and unusual pathologies of nerve and muscle.
1.50 CME/CEU	Monika Krzesniak-Swinarska, MD David C. Preston, MD Tyler A. Rehbein, MD
08:00 am - 09:30 am	Clarifying Concepts in NCS: Instrumentation, Troubleshooting, and Neuroanatomy
Session	Analyze key concepts in NCS instrumentation, including differential amplification, electrical noise, filters, and electrical safety; and identify common artifacts in NCS instrumentation and discuss strategies to mitigate them to achieve more precise results.
	This is a technologist-focused session. Anyone who has interest is welcome to attend.
1.50 CME/CEU	Gautam Malhotra, MD Michael Mehnert, MD

08:00 am - 09:30 am	Functional Neurological Disorder - Role of EDX and Strategies for Rehabilitation
Session	Explain how EDX aids in excluding structural neurological conditions and/or offers objective evidence to support a diagnosis; describe a rehabilitation-focused approach to functional neurological disorder (FND) involving collaboration between rehabilitation physicians and a psychologist; develop strategies for presenting findings and explaining the diagnosis of FND to patients in a manner that promotes successful rehabilitation outcomes.
1.50 CME/CEU	Talia R. Collier, MD Gabrielle Nguyen, MD Thy Erinn Ton, MD Suzanne L. Woodbury, MD
08:00 am - 09:30 am	Gene Therapies in NMD
Session	Evaluate the evidence supporting gene transfer and gene-modifying therapies in NMDs; identify and manage common and uncommon side effects associated with these therapies; and discuss emerging therapies and their potential impact.
	Sessions will include discussions of both adult and pediatric disorders.
1.50 CME/CEU	Michael S. Cartwright, MD Natalie Goedeker, CPNP Craig M. Zaidman, MD
08:00 am - 09:30 am	NMDs and Pregnancy
Session	Identify challenges and complex decision-making in managing patients with NMDs who are contemplating pregnancy; describe the incidence and impact of various NMDs on conception, pregnancy, and potential complications during labor and delivery, as well as the need for ongoing monitoring and a multidisciplinary approach in management; and explain the importance of pre-pregnancy counseling, the effects of medications (per FDA), and other treatments on fertility, pregnancy, fetal development, and lactation.
1.50 CME/CEU	Cherine Fawaz Kavita M. Grover, MD Christelle Haddad, MD Iram F. Zaman, DO

08:00 am - 08:40 am	QI Initiatives - Planning a Project From Start to Finish
Session	Formulate a research question in quality improvement (QI) and develop a step-wise approach to project planning; evaluate the benefits, limitations, and resources needed in QI research and compare options for dissemination or publication; and share their own QI ideas for group discussion and receive feedback.
	This is an "Ask the Expert" session. There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.
0.75 CME/CEU	Michal Vytopil, MD
08:00 am - 08:40 am	Resident and Fellow Career Panel Discussion
Session	Describe potential career paths available after training, including medical affairs in industry.
	This session is designed for residents/fellows. Anyone who has interest is welcome to attend.
	This is an "Ask the Expert" session. There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.
0.75 CME/CEU	Anthony E. Chiodo, MD, MBA Collin Grant, MD Ileana Howard, MD John A. Morren, MD Emma Weiskopf, MD

08:45 am - 09:30 am **NM Fellowship for PMR: The Why**

Session Explain the clinical need for physiatrists in the world of NM medicine; describe the role of the NM physiatrist in academic, community, and private practice settings; and assess the job prospects for an NM physiatrist.

This session is designed for residents/fellows. Anyone who has interest is welcome to attend.

This is an "Ask the Expert" session. There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.

0.75 CME/CEU Colin K. Franz, MD, PhD | James B. Meiling, DO | Sarah M. Smith, MD | Andriana Tompany, DO | Lisa M. Williams, MD

08:45 am - 09:30 am **The Transition of Care in Pediatric Practice**

Session Describe the challenges of initiating the transition of care process from childhood to adulthood for NM patients; summarize the elements of the hybrid transition model adapted from an institution for the transition of care; and outline the steps in establishing a transition of care model.

This is an "Ask the Expert" session. There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.

0.75 CME/CEU Hani A. Kushlaf, MD

09:00 am - 04:00 pm **Exhibit Hall**

Social Event Learn about the products that help you provide quality care for your patients. Stop by the Exhibit Hall and see the latest innovations in our industry.

No CME/CEU

09:30 am - 10:00 am **Abstract Poster Session II**

Social Event Abstract authors will be available to discuss their research. Stop by to review the information from this year's abstracts and meet the authors. Refer to the Poster Presentations List in the Program for abstract titles and authors that will be available to discuss their research.

No CME/CEU

09:30 am - 10:00 am **Break**

Social Event Enjoy complimentary coffee and tea in the Exhibit Hall and use break time to network and socialize with your colleagues.

No CME/CEU

10:00 am - 11:30 am **Basics of NCS and Needle EMG - Part 2**

Session Describe the basic concepts underlying nerve conduction and approach to the study; perform and interpret NCSs in the upper and lower extremities and recognize anomalous innervations; summarize the use of specialized studies including RNS, cranial nerve studies, and blink reflex; utilize needle EMG for the diagnosis of NM disorders and identify common pitfalls; and explain technical factors and important safety considerations affecting the study.

1.50 CME/CEU Joseph M. Choi, MD | Aaron Izenberg, MD

10:00 am - 11:30 am **EDX and US Evaluation of Progressive Upper Limb Weakness - Part 1**

Session Identify the sonographic appearance of nerves and muscles and surrounding anatomic structures frequently used in the identification and assessment of progressive upper limb weakness; review scanning techniques for image optimization; and describe the EDX approach to evaluate an individual with progressive upper limb weakness.

1.50 CME/CEU Devon I. Rubin, MD | Jeffrey A. Strakowski, MD

10:00 am - 11:30 am	Increasing Our Understanding of Peripheral Nerve Fascicles and Fasciculopathies With Diagnostic NMUS
Session	Compare and contrast peripheral nerve fascicle characteristics as visualized using ultra-high-frequency US with those observed using standard high-frequency US, cadaveric dissection, and histopathology; describe the normal amount of physiologic fascicular rotation in healthy individuals; and recognize and differentiate pathologic changes in nerve fascicles ("fasciculopathies"), including focal fascicular enlargement, fascicular entwinement, and partial/complete torsion.
1.50 CME/CEU	Michael S. Cartwright, MD James B. Meiling, DO Nicholas J. Miller, MD
10:00 am - 11:30 am	Joint Session With Peripheral Nerve Society
Session	Analyze updates, new research, developments, and treatment guidelines for peripheral neuropathies across three interest groups of the PNS (inflammatory, hereditary, toxic, or metabolic), and apply the knowledge to manage patient care.
1.50 CME/CEU	Bipasha Mukherjee-Clavin, MD, PhD Mamatha Pasnoor, MD Arjun Seth, MD Rebecca Traub, MD

10:00 am - 10:40 am	Pathways to Landing Your First Job Out of Fellowship
Session	Describe potential pathways to secure an initial NM position in both academic and private practice settings, and outline the key steps required to optimize the success of obtaining your first NM job.
	This session is designed for residents/fellows. Anyone who has interest is welcome to attend.
	This is an "Ask the Expert" session. There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.
0.75 CME/CEU	Aaron S. Zelikovich, MD
10:00 am - 11:30 am	Roundtable: Case Discussions
Session	Apply expert guidance to improve the interpretation of clinical and EDX studies in a one-on-one setting; incorporate clinical input to enhance patient diagnosis and treatment; utilize quality EDX studies for improved diagnosis and treatment of patients; and analyze cases during the session to facilitate learning and application of new knowledge.
1.50 CME/CEU	Said R. Beydoun, MD Kamal R. Chémali, MD Mark A. Ferrante, MD Bashar Katirji, MD David C. Preston, MD Bryan E. Tsao, MD

10:00 am -
11:30 am

Session

Treatment Approaches to Immune Related Autonomic Neuropathies: Sjogren's and Long COVID

Experienced autonomic neurologists Dr. Brent Goodman and Dr. Mitch Miglis will help you describe recent advances in the approach to diagnosing and managing immune-mediated autonomic neuropathies and autonomic dysfunction in the context of Sjogren's disease and long COVID.

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the ACCME through joint providership of AANEM and Dysautonomia International.

1.50
CME/CEU

Brent P. Goodman, MD | Mitch Miglis, MD

10:00 am -
11:30 am

Session

Update on Pediatric Clinical Trials: SMA and DMD

Analyze ongoing and early data from trials related to SMA and Duchenne muscular dystrophies.

Zurisadai Gonzalez Castillo, MD | Jaclyn C. Omura, MD | Marissa Robertson, MPH | Michele L. Yang, MD

1.50
CME/CEU

10:45 am -
11:30 am

Session

Job Contracting

Recognize common physician compensation models, including base salary structures, productivity bonuses, and quality-based incentives. Participants will learn how to assess the components of a compensation package, understand what factors impact earning potential, and identify questions to ask during contract discussions to ensure alignment with their career goals.

Please note: This session will not cover legal contract terms. Attendees are strongly encouraged to seek guidance from a lawyer with expertise in physician contracting when reviewing or negotiating an employment agreement.

This session is designed for residents/fellows. Anyone who has interest is welcome to attend.

This is an "Ask the Expert" session. There will be an interactive discussion designed around audience participation. There are no handouts nor a planned presentation, and this session will not be included in the Annual Meeting Video Collection.

0.75
CME/CEU

Bilal Saulat, MD, MPH | Bonnie J. Weigert, MD

11:30 am -
01:00 pm

Social Event

Lunch Break

Take advantage of your session break by joining our industry partners to discover what's new during a lunch forum or presentation stage. Prefer to explore on your own? Enjoy Union Square's vibrant culinary scene or sample a variety of diverse food trucks nearby while recharging for the sessions ahead.

No CME/CEU

11:45 am -
12:45 pm

Social Event

Medical Student Lunch

All medical students are invited to attend this lunch to meet with other medical students and AANEM Board Members.

No CME/CEU

11:45 am - 12:45 pm	Resident and Fellow Lunch	
Social Event	All residents and fellows are invited to attend this lunch to meet with other residents, fellows and AANEM Board Members. Sponsored by Grifols USA, LLC.	
No CME/CEU		
01:00 pm - 02:30 pm	W104RFC Basic NCS With US - Median and Ulnar	
Workshop	Demonstrate how US combined with NCS can be useful in median and ulnar neuropathies. Obtain median and ulnar nerve images in transverse and longitudinal transducer positions; describe how muscle, nerve, and tendons in relation to these two nerves appear with US; conduct median and ulnar NCS; and discuss scenarios and reasons why these two diagnostic studies work together in obtaining a diagnosis and pinpointing the nerve entrapment and/or lesion.	
	Limited to residents, fellows, technologists, and medical students only.	
1.50 CME/CEU	Betty J. Mitchell, R.NCS.T. John W. Norbury, MD	
01:00 pm - 02:30 pm	W119RFC Diagnostic Approaches to Foot and Ankle: Nerve Assessment and MSK Pathology	
Workshop	Conduct detailed US imaging of the nerves around the ankle, including the tibial nerve for diagnosing tarsal tunnel syndrome (TTS), the deep and superficial branches of the fibular nerve, the saphenous nerve, and the sural nerve. They will also gain the skills to evaluate structural pathologies contributing to TTS and it's mimics, such as plantar fasciitis and posterior tibialis or Achilles tendinopathy. Additionally, techniques for assessing Morton's neuroma will be reviewed. Hands-on training will be emphasized for practical skill development.	
	Limited to residents, fellows, technologists, and physicians only.	
1.50 CME/CEU	Marianne Luetmer, MD Mansoureh Mamarabadi, MD	
01:00 pm - 02:30 pm	W120FC How to Learn NMUS Later in Your Career	
Workshop	Discuss what resources are available in learning NMUS; address barriers to new skill development once finished with formal training; develop a learning plan to acquire competency in NMUS.	
	Limited to physicians only.	
1.50 CME/CEU	Sarah M. Smith, MD	
01:00 pm - 02:30 pm	W23RFC Unusual NCS	
Workshop	Identify less commonly used NCSs and discuss pitfalls associated with common NCSs.	
	Limited to residents, fellows, technologists, and medical students only.	
1.50 CME/CEU	Lawrence R. Robinson, MD	
01:00 pm - 02:30 pm	W92RFC Advanced Nerve US - Upper Limb	
Workshop	Apply scanning techniques for nerves of the upper limb; describe scanning of the median, ulnar, radial nerves; and discuss the assessment of the brachial plexus, musculocutaneous, medial, and lateral antebrachial nerves. Hands-on scanning will be emphasized.	
	Limited to residents, fellows, technologists, and medical students with some experience conducting NMUS.	
1.50 CME/CEU	Rebecca Dutton, MD James B. Meiling, DO	

01:00 pm - 02:30 pm	Case-Based Approach to Inpatient NM Conditions: Diagnosis and Management	01:00 pm - 02:30 pm	Pathologies in NMUS
Session	Recognize a range of inpatient NM conditions, including NMJ disorders (e.g., MG), rhabdomyolysis, myositis, and acute/subacute neuropathies; diagnose NMJ disorders (MG), with emphasis on critical care management; implement treatment strategies for a range of inpatient NM conditions, including NMJ disorders (MG), rhabdomyolysis, myositis, and acute/subacute neuropathies, with emphasis on critical care management; analyze the challenges and technical considerations of inpatient EDX testing, and determine the appropriate indications for ordering inpatient electrophysiologic tests.	Session	Illustrate a variety of case-based examples of pathologies visualized using NMUS; summarize the practical applications of NMUS, covering mononeuropathies, polyneuropathy, muscle diseases, and anatomical variations; and identify potential diagnostic challenges and "red herrings" encountered when using NMUS.
1.50 CME/CEU	Long F. Davalos Loo, MD Mazen M. Dimachkie, MD Mamatha Pasnoor, MD	1.50 CME/CEU	Mary Hopfinger, NP Christine Meadows, MD Craig M. Zaidman, MD
01:00 pm - 02:30 pm	Diagnosing ALS - Using Established and Emerging Techniques	01:00 pm - 02:30 pm	Technologist Roundtable Discussions: Challenging Cases - 2
Session	Analyze current and emerging clinical and fluid-based markers, including neurofilament light; describe the use of EDX techniques in the diagnosis of ALS; and evaluate the utility of imaging modalities, specifically MRI, to facilitate early and accurate diagnosis of ALS.	Session	Discuss advanced EDX cases in a small group setting with NM faculty.
1.50 CME/CEU	Bjorn E. Oskarsson, MD Dianna Quan, MD Jaimin Shah, MD	1.50 CME/CEU	This round table session is limited to technologists.
01:00 pm - 02:30 pm	EDX and US Evaluation of Progressive Upper Limb Weakness - Part 2	01:00 pm - 02:30 pm	Traumatic Brachial Plexopathy Symposium
Session	Recognize the scientific basis for using NMUS for evaluating upper limb weakness; and review the integration of both NMUS and EDX and the relative strengths and weaknesses of both. Case studies will also be used with this session.	Session	Review the anatomy of the brachial plexus and clinical presentations of traumatic brachial plexopathies; discuss the use of EDX studies in localization, quantification of the degree of injury and prognosis; evaluate imaging studies including MRI neurography, CT myelogram, US and its limitations; describe intraoperative modalities (CMAP, NAP) employed for brachial plexus surgeries and how IOM helps guide the surgical options; and review the cutting edge surgical options, including neurolysis, nerve grafting, and transfer.
1.50 CME/CEU	Michael S. Cartwright, MD Jeffrey A. Strakowski, MD	1.50 CME/CEU	Nicholas M. Boulis, MD Vita G. Kesner, MD, PhD Philip K. Wong, MD

01:00 pm -
02:30 pm

Session

Utilizing APPs and Team-Based Care to Meet the Challenges of Today's NM Practice

Explore diverse team-based care models that utilize APPs and other non-physician roles; present concrete practice models that support patient access and support; share innovative ways shared and team-based care models to approach novel medication approval, patient portal in-basket burden, and coordination of care; and facilitate connections between physicians, APPs, and other members of the NM practice team.

1.50
CME/CEU

Christopher Doughty, MD | Jerrica Farias, MS, ARNP | Maggie Naclerio, PA-C | Sarah A. Yang, MD

02:30 pm -
03:30 pm

Break

Social Event

Enjoy complimentary coffee and tea in the Exhibit Hall and use break time to network and socialize with your colleagues.

No CME/CEU

02:45 pm -
03:15 pm

Abstract Poster Session III

Social Event

Abstract authors will be available to discuss their research. Stop by to review the information from this year's abstracts and meet the authors. Refer to the Poster Presentations List in the Program for abstract titles and authors that will be available to discuss their research.

No CME/CEU

03:30 pm -
05:30 pm

Session

Plenary 3: Back to the Future: Advances in NM Medicine

Highlight how physicians can support patients pursuing various goals, from flying planes to space travel, emphasizing the importance of encouragement, risk assessment, and medical expertise for success and safety.

Describe how advancements in AI, stem cell modeling, and genetic technologies are transforming NM research and treatment; explain the role of AI in biomarker discovery and drug repurposing for ALS; discuss the application of stem cell-based precision medicine in the treatment of ALS and SMA.

2.00
CME/CEU

Anthony E. Chiodo, MD, MBA | Sheyna Gifford, MD | Lisa D. Hobson-Webb, MD | Faye C. Tan, MD | Crystal Jing Jing Yeo, MB, BChir, PhD, MRCP(UK)

05:30 pm -
06:30 pm

Beers for Fears

Social Event

"Everybody Wants to Rule the (EDX) World". This session is for residents, fellows, medical students, and early career physicians. We invite you to share your EDX fears, anxieties, and/or challenges with experts in EDX medicine, in exchange for beers (or your choice of beverage), in a very informal setting. Our nationally recognized faculty will welcome all of your questions and will be happy to share their insights gained from years of experience.

No CME/CEU

05:30 pm -
06:30 pm

Orange You Glad It's Foundation Friday? ANF Happy Hour

Social Event

Wrap up your week with a splash of fun and a whole lot of purpose at the American Neuromuscular Foundation (ANF) Happy Hour! We're turning the spotlight on the ANF with a lively celebration featuring drinks, music, and good company. Show your support by wearing orange—or rocking your ANF T-shirt if you have one—and help us raise awareness and funds for groundbreaking research and education in neuromuscular and electrodiagnostic medicine. Let's toast to a brighter future!

Enjoy live music, refreshments, and socializing with friends and colleagues. Attend the last social event of this year's annual meeting to celebrate another successful meeting, and say farewell until next year!

No CME/CEU



Help STRENGTHEN the Global Effort to CURE Neuromuscular Disease

The American Neuromuscular Foundation (ANF) is committed to enhancing the lives of patients with NMDs through the advancement of research, advocacy, and education. ANF research grants fuel the discovery of innovative treatments, foster collaboration among advocacy organizations and healthcare professionals, and support ongoing education for providers.

Together, we can help STRENGTHEN the global effort to CURE NM disease. Join us in this vital mission by donating at www.neuromuscularfoundation.org/donate.



Support the ANF Charity Team Running for a Cure

Five runners will join ANF's charity team in the 2025 TCS New York City Marathon on Nov. 2, racing to raise awareness and funds for NM research and education! Visit ANF's website and follow along on social media to learn more about the foundation and charity team. Don't let them run alone—show your support by cheering them on or contributing to their fundraising efforts. Every donation will directly support vital research and education to improve the lives of those affected by NMDs.

Show your support today!



08:00 am - 09:30 am	W100AS Late Responses: F Wave Responses and H Reflexes
Workshop	Discuss the principles and practice of eliciting F wave responses and H reflexes; demonstrate anatomical localization of late responses, including axon reflex; identify clinical utility and indications for testing; and address limitations and technical challenges.
1.50 CME	Vita G. Kesner, MD, PhD
08:00 am - 09:30 am	W101AS EDX of Muscles of Face and Neck in Neurogenic Palsies and NMJ Disorders
Workshop	Recognize the utility of EDX studies and learn their implication to measure the functional integrity of the cranial nerves and their value in making the diagnosis, predicting prognosis, and providing a long-term follow-up tool; utilize the blink reflex study and the masseter reflex study to evaluate the trigeminal (blink and jaw jerk) and facial nerves (blink), as well as the direct facial nerve study and EMG of facial muscles as a diagnostic and prognostic tool in Bell's palsy and trigeminal neuralgia; review the utility of accessory nerve repetitive stimulation in the workup of dysfunction of NMJ transmission; perform SFEMG of frontal muscles as part of detecting NMJ disorders; and recognize different approaches to evaluate the presence or absence of denervation in the bulbar muscles as a diagnostic marker of ALS according to the Gold Coast criteria and of primary lateral sclerosis according to the consensus diagnostic criteria for primary lateral sclerosis.
1.50 CME	Rima N. El-Abassi, MD
08:00 am - 09:30 am	W111AS Lower Limb Sensory Study Workshop
Workshop	Demonstrate how to do superficial peroneal, sural, saphenous, posterior femoral cutaneous and lateral femoral cutaneous nerve studies.
1.50 CME/CEU	Channarayapatna R. Sridhara, MD

08:00 am - 09:30 am	W112AS Assessment of Hand and Wrist Pain That Is Not CTS
Workshop	Describe key historical features for hand MSK mimics of upper limb neuropathies; demonstrate simple and efficient hand MSK physical exam techniques that can easily be performed bedside in an EMG lab; and utilize NMUS techniques to quickly explore hand MSK mimics.
1.50 CME	Rebecca Dutton, MD James B. Meiling, DO
08:00 am - 08:00 am	W27AS RNS
Workshop	Perform RNS to shoulder, upper arm, hand, and facial muscles; and discuss sequential examination for detecting NM transmission defects, such as artifacts.
1.50 CME	Taylor B. Harrison, MD
08:00 am - 09:30 am	W31AS SFEMG and Jitter Measurement During Voluntary Muscle Contraction
Workshop	Demonstrate SFEMG during voluntary contraction of the orbicularis oculi and frontalis muscles; demonstrate how SFEMG during slight muscle contraction is performed; and discuss its advantages and limitations in diagnosing NM transmission disorders; and recognize common pitfalls.
1.50 CME	Anna R. Punga, MD, PhD
08:00 am - 09:30 am	W45AS Advanced US of the Lower Limb Nerves
Workshop	Obtain images with transverse and longitudinal transducer positions; describe how to manipulate basic US instrumentation to include focal depth, Doppler flow, and transducer frequency; describe how muscle, nerve, and tendon appear with US; and discuss the principle of anisotropy.
1.50 CME/CEU	Steven J. Shook, MD, MBA

08:00 am - 09:30 am	W46AS EDX and Clinical Approach to Lumbosacral Plexopathies
Workshop	Review the anatomy of the lumbosacral plexus; discuss routine and unusual NCSs to assist with localization to lumbosacral plexus; identify the most appropriate muscles to test and needle placement for needle EMG examination; and discuss clinical and EDX findings that can point towards possible etiologies of lumbosacral plexopathies.
1.50 CME	Rocio Vazquez Do Campo, MD
08:00 am - 09:30 am	Back to the Future: Exercise as NM Medicine: International Perspectives and Innovative Interventions
Session	Apply the medical benefits of exercise in diverse clinical settings, demonstrating the application of exercise as medicine; and evaluate innovative care methods, such as tele rehabilitation, to improve outcomes in the US and abroad.
1.50 CME/CEU	Jennifer A. Baima, MD Tarannum Rampal, MBBS, FRCA
08:00 am - 09:30 am	Beyond Bread & Butter: Tricky Cases for Trainees
Session	Describe features during history, physical exam, and NCS/EMG that warrant consideration of less common diagnoses.
	This session is designed for residents/fellows. Anyone who has interest is welcome to attend.
1.50 CME/CEU	Rahila Ansari, MD, MS Amtul S. Farheen, MD Erica Seidel, MD Maryam Tahmasbi Sohi, MD

08:00 am - 09:30 am	Getting Started With US in Clinical Practice
Session	Formulate a strategy for integrating POCUS into their clinical practice; compare and contrast features of different US machine types and evaluate their clinical relevance in purchase decisions; summarize the criteria for appropriate and complete clinical documentation of diagnostic US evaluations and provide examples of comprehensive reports; and identify relevant billing codes for US procedures.
1.50 CME/CEU	Michael J. Hadler, DO Marisa Barclay McGhee, MD Nicholas J. Miller, MD Chelsea Shugars, MD
08:00 am - 09:30 am	New and Emerging CIDP, MMN, and GBS
Session	Describe the rationale and mechanistic action of new and emerging targeted immunotherapies in CIDP, MMN, and GBS; determine the appropriate indications for the use of these therapies; and analyze the limitations associated with each of the new therapies.
1.50 CME/CEU	Jeffrey A. Allen, MD Karissa Gable, MD Amro M. Stino, MD
08:00 am - 09:30 am	Update on Pediatric Clinical Trials - Other NMDs
Session	Identify the genetic mutations associated with FSHD and myotonic dystrophy, and explore potential pathways for epigenetic and genetic modulation; examine the mechanisms of muscle recovery currently under study, including myostatin inhibition; evaluate the role of disease-specific clinical outcome measures and biomarkers of disease in advancing research in these fields; compare treatments for MG approved for adults with those that are approved for pediatric patients; and review data from recent clinical trials involving FSHD, myotonic dystrophy, and MG in the pediatric population.
1.50 CME/CEU	Alexandra Bonner, MD Nicholas E. Johnson, MD Emmanuelle Tionsgon, MD

08:00 am - 09:30 am	When Something Doesn't Look Right: A Case-based Approach to NCS Artifacts and Anomalies	10:00 am - 11:30 am	Blind Spots and What Lies Beneath in NM Clinic
Session	Identify and interpret common technical anomalies encountered during NCS; discuss the influence of understimulation and overstimulation on CMAPs and SNAPs; explain how limb positioning impacts ulnar NCS; recognize the effect of misplaced electrodes on latency and amplitude calculations; describe the impact of temperature, height, and age on NCS responses; recognize and differentiate frequently encountered electrical artifacts; analyze the impact of sweep speed and sensitivity on the latency of responses; identify anomalous innervations in NCS; and evaluate the effect of temperature, limb movement, and submaximal stimulation on RNS testing.	Session	Recognize hidden perceptions that may affect clinical judgment and potentially influence patient outcomes; assess the impact on clinical care, healthcare team workflows, and interpersonal relationships with team members and patients; develop strategies to mitigate the negative impact on patient outcomes; and discuss real clinical cases to illustrate the concepts.
1.50 CME/CEU	Kelly G. Gwathmey, MD Isabel V. Narvaez Correa, MD Peter P. Pacut, MD	1.50 CME/CEU	Pushpa Narayanaswami, MD Bonnie J. Weigert, MD Sasha Zivkovic, MD, PhD
09:30 am - 10:00 am	Break	10:00 am - 11:30 am	Diagnosis and Treatment: Breakthrough Genetic Testing for NMDs
Social Event	Enjoy complimentary coffee and tea and use break time to network and socialize with your colleagues.	Session	Describe how current testing platforms contribute to recent advancements in population genomic-driven treatment discovery; apply the principles of genetic diagnosis and interpretation in the NM clinic setting; analyze the translation of novel molecular therapeutics into clinical practice; and evaluate ongoing technological advancements and clinical trial data utilizing gene therapies for NMDs to identify therapeutics that are likely to be available in the clinic within the next 5 years.
No CME/CEU		1.50 CME/CEU	Nicolas N. Madigan, MBBCh, PhD Jennifer M. Martinez-Thompson, MD Zhiyv N. Niu, PhD Michael Skolka, MD
10:00 am - 11:30 am	An Update on ALS: Biomarkers, Symptomatic Management, and Treatment Trials	10:00 am - 11:30 am	NMUS and Treatment Options for Subclinical or Dynamic Nerve Entrapment Syndromes
Session	Describe the current and potential role of biomarkers in the management of ALS, including their utility as surrogates for therapy; identify symptomatic treatments for complications that can greatly improve quality of life; and summarize important recent disease-modifying therapeutic trials and their targeted pathogenic pathways and outcomes.	Session	Evaluate the evidence for physical examination maneuvers, NMUS, and diagnostic nerve blocks in the diagnosis of subclinical or dynamic nerve entrapment syndromes such as neurogenic TOS, CTS, radial tunnel syndrome, lacertus syndrome, and subclinical peroneal neuropathy; and describe strategies for collaboration with surgeons regarding the treatment of these conditions.
1.50 CME/CEU	Bjorn E. Oskarsson, MD Nassim Rad, MD Michael D. Weiss, MD	1.50 CME/CEU	Raymond Chou, MD Anna Luan, MD Chantal Nguyen Sarada Sakamuri, MD

10:00 am -
11:30 am

Peripheral Nerve and Muscle Pathology

Session

Describe the fundamentals of nerve and muscle biopsy procedures, including common histological stains; examine clinical cases that illustrate the appropriate use of nerve and muscle biopsy; identify criteria for selecting biopsy targets based on clinical presentation and diagnostic imaging; interpret findings from nerve and muscle biopsies in correlation with EMG, MRI, and US results; and analyze relevant nerve and muscle pathology findings as demonstrated in the clinical cases presented.

1.50
CME/CEU

Michelle L. Mauermann, MD | Aziz Shaibani, MD

10:00 am -
11:30 am

RNS Simplified for the EDX Lab

Session

Review the basics of NMJ neurotransmission, the fundamental basis of RNS, facilitation, and exhaustion; discuss why we do what we do in this regard; and recognize common mistakes and pitfalls.

This session will include a live demonstration.

This is a technologist-focused session. Anyone who has interest is welcome to attend.

1.50
CME/CEU

Sankar Bandyopadhyay, MD | Taylor B. Harrison, MD



Lessons From the Lab

Learn from leaders in the NM and EDX fields with Lessons From the Lab. Watch in the AANEM Learning Center, on YouTube, or listen on the go with Spotify, Apple Music, and more!

Abbreviations

AANEM: American Association of Neuromuscular & Electrodiagnostic Medicine

ACGME: Accreditation Council for Graduate Medical Education

ALS: Amyotrophic Lateral Sclerosis

APP: Advanced Practice Provider

ATTR: Transthyretin Amyloidosis

CBD: Cannabidiol

CEU: Continuing Education Unit

CIDP: Chronic Inflammatory Demyelinating Polyradiculoneuropathy

CME: Continuing Medical Education

CMAP: Compound Muscle Action Potential

CMT: Charcot-Marie-Tooth

CNE: Concentric Needle Electrodes

CNS: Central Nervous System

CTS: Carpal Tunnel Syndrome

DMD: Duchenne Muscular Dystrophy

DNA: Deoxyribonucleic Acid

DX: Diagnosis

EDX: Electrodiagnostic

EHR: Electronic Health Record

EMG: Electromyography

FSHD: Facioscapulohumeral Muscular Dystrophy

GBS: Guillain-Barré Syndrome

IBM: Inclusion Body Myositis

LAC: Lateral Antebrachial Cutaneous

LEMS: Lambert-Eaton Myasthenic Syndrome

MAC: Medial Antebrachial Cutaneous

MG: Myasthenia Gravis

MGFA: Myasthenia Gravis Foundation of America

MSK: Musculoskeletal

MUAP: Motor Unit Action Potential

MUP: Motor Unit Potential

NAP: Nerve Action Potentials

NCS: Nerve Conduction Study

NIH: National Institutes of Health

NIV: Non-Invasive Ventilation

NM: Neuromuscular

NMD: Neuromuscular Disease/Disorder

NMJ: Neuromuscular Junction

NMUS: Neuromuscular Ultrasound

PI: Principal Investigator

PIN: Posterior Interosseous Nerve

PM&R: Physical Medicine and Rehabilitation

POTS: Postural Orthostatic Tachycardia Syndrome

RNS: Repetitive Nerve Stimulation

RX: Prescription

SA: Self-Assessment

SARS-COV-2: Severe Acute Respiratory Syndrome Coronavirus 2

SFEMG: Single-Fiber Electromyography

SNAP: Sensory Nerve Action Potential

SMA: Spinal Muscular Atrophy

TOS: Thoracic Outlet Syndrome

TPP: Training Program Partnership

TTS: Tarsal Tunnel Syndrome

UCNS: United Council for Neurologic Subspecialties

US: Ultrasound

Diamond Support

(\$150,000 +)

AANEM deeply appreciates the support, contributions, and partnership from the following companies. Their assistance helps AANEM provide an exceptional annual meeting.



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Driven by science.

ABEM CERTIFICATION OPPORTUNITIES



Showcase Your Expertise and Commitment to Providing Quality Patient Care

American Board of Electrodiagnostic Medicine (ABEM) certification opportunities:



Physicians:

- ABEM Certification Exam
- Neuromuscular Ultrasound Certificate of Added Qualification (CAQ) Exam
 - NEW! Now it's even easier to earn your NMUS CAQ. Check out our new eligibility requirements: www.aanem.org/abem/certification-requirements



Technologists:

- Certified Nerve Conduction Technologist (CNCT) Exam



www.aanem.org/abem/home



Meeting Objectives & Policies

Meeting Objectives

The following objective for the 2025 meeting was developed:

- The 2025 annual meeting will focus on improving patient care, medical knowledge, interpersonal communication, professionalism, and systems-based practices in the following areas: Neuromuscular (NM) and Musculoskeletal (MSK) disorders; inherited muscle diseases; genomics and emerging gene therapies; new technologies and treatments; autoimmune disorders; neuropathies, antibody testing, ultrasound (US), electrodiagnosis (EDX), disability and small-fiber biopsy skills.

After attending this activity, attendees will:

- Enhance their ability to obtain a comprehensive patient history and examination; improve their ability to develop a differential diagnosis and direct appropriate diagnostic work-ups; assess rehabilitation potential for patients with NM and MSK disease; treat patients with pain, utilize EDX to precisely assess the severity of nerve injuries, and recognize how novel assessment and treatment techniques can improve the lives of patients. Develop a strategy to address concomitant disabilities with NM disease issues. (Patient care)
- Develop technical skills necessary to perform neurologic, EDX, and rehabilitative procedures; identify and describe important EDX, biopsy, genetic, and US findings; develop awareness of treatments, therapies, and side effects, and discuss the latest literature on NM disorders. (Medical knowledge, Practice-based learning)
- Improve ability to communicate with and educate patients, families, and members of the healthcare team; articulate a confident clinical approach to common questions faced as an inpatient consultant; demonstrate professionalism in clinical, research, and academic practice. (Interpersonal communication skills, Professionalism)
- Develop strategies for working in an interdisciplinary care team, awareness of emerging treatments and therapies; identify and access supportive healthcare services and mechanisms that improve patient care and patient quality of life. (Systems-based practice)

Accreditation Statement

The AANEM is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

AMA Credit Designation Statement

The AANEM designates this live activity for a maximum of 22.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Self-Assessment Credit

Self-assessment credits will be available for those attending the live in-person meeting. AANEM will report completion of this self-assessment activity to the American Board of Psychiatry and Neurology and American Board of Physical Medicine & Rehabilitation.

Disclaimer Statement

AANEM will disclose to learners the relevant financial relationships for those in control of CME content prior to the educational activity or disclose that there were no relevant financial relationships. Information will be provided through print and verbal disclosures.

AANEM Annual Meeting Refund Policy

The association dedicates a significant amount of time and expense to deliver a great annual meeting each year. While we hope everyone who registers for the annual meeting will be able to attend, we understand that circumstances may sometimes prevent this from happening. AANEM has established the following policy for those who request a refund.

Refund requests received prior to 60 days from the start of late registration will be refunded at 100%.

Refund requests received 60 days to 14 days from the start of late registration will be subject to a \$100 cancellation fee and any remaining amount will be refunded.

Refund requests received from 13 days through the start of late registration will be subject to a \$150 cancellation fee and any remaining amount will be credited toward future AANEM purchases (credit expires 2 years after the first day of the annual meeting). Registration fees will not be refunded after the start of late registration.*

**Individual workshops, events, or sessions that were purchased in addition to the standard registration fee may be cancelled during the meeting, as long as the attendee has not cancelled their standard meeting registration. A refund of 50% of the purchase price will be provided.*

AANEM CME Programming

It is the policy of the AANEM to ensure balance, independence, objectivity, and scientific rigor in all of its educational activities. This program is for scientific and educational purposes only and will not, directly or indirectly, promote the interests of any commercial interest. All CME sessions that are offered as part of the official AANEM Annual Meeting program are determined solely by the AANEM Annual Meeting planning committees and approved by the AANEM Board. Planning committees identify professional practice gaps, choose topics, and identify session chairs for each session, and determine the educational format. Material presented at the sessions cannot contain any advertising, corporate logo, trade name, or product group message. All scientific research referred to, reported or used in support of justification of a patient care recommendation will conform to generally accepted standards of experimental design, data collection and analysis. Speakers are requested to provide a balanced view of therapeutic options, using generic names in presentations to contribute to impartiality. If content includes trade name, speakers are instructed to incorporate the trade names from several companies.

Specific disclosure information for all speakers, planning committee members and course chairs participating in the 2025 Annual Meeting is provided in the Disclosure Index at the registration desk or online at www.aanem.org/disclosures.

Industry Forums /Presentation Stages

Industry Forums/Presentation Stages are commercially supported educational activities held in conjunction with the AANEM Annual Meeting. These sessions are not part of the AANEM's official annual meeting program and are planned by an outside company or party. These sessions are clearly labeled as "Industry Forums" or "Presentation Stages" to allow the participant to be fully aware of any bias in the presentations. Seating at sessions is limited. Food at the Industry Forums is provided by the AANEM to attendees on a first come, first served basis.



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