AANEM ANNUAL MEETING
Aurora, Colorado | October 13-16, 2021
Planning Guide

GAYLORD ROCKIES™
American Association of Neuromuscular & Electrodiagnostic Medicine
Including sessions by Myasthenia Gravis Foundation of America & Dysautonomia International
Neurology Reviews is proud to announce the publication of its seventh annual Rare Neurological Disease Special Report. This annual publication is produced in partnership with the National Organization for Rare Disorders (NORD).

**Articles include:**

- Advances in Amyotrophic Lateral Sclerosis: Clues to Causes Are a Ray of Hope: A conversation with Richard S. Bedlack, MD, PhD, MS
- Duchenne Muscular Dystrophy: Current Management and the Therapeutic Pipeline: A conversation with MDA’s Sharon Hesterlee
- The Fast-Changing World of Myasthenia Gravis Treatment: Interviews with Richard J. Nowak, MD, and Gil I. Wolfe, MD
- Developments in the Diagnosis and Potential Treatment of Neuromyelitis Optica Spectrum Disorder: Interviews with Brian Weinshenker, MD, and Dean Wingerchuk, MD
- Challenges of Lysosomal Storage Disorders Need Not Dishearten the Nonspecialist: An interview with Raymond Y. Wang, MD
- Small-Fiber Dysimmune Neuropathy Emerges as a New Treatable Disease: An interview with Anne Louise Oaklander, MD, PhD
- Rare Epilepsies: Update on Recent Treatment Approvals and the Pipeline By Tania Stewart, PharmD, FCSHP; Yuu Ohno; Brizha M. Knowles
- Upcoming Breakthrough Therapies for Rare Neuromuscular Disorders By Kacey Egusa; Cheyenne Laurel Anderson; Jeniffer Hernandez, PhD
- Effects of Cannabidiol on Infantile Spasms and Seizures in Rett Syndrome By Christian Mark Antonio; Vanessa Patrao; Suzanne Liu, MD; and Travis S. Schlappi, PhD
- Ethics Meets Practice in Gene Therapy for Neuromuscular Disease: Insights from four experts—Alison Bateman-House, PhD, Lesha D. Shah, MD, Jennifer Kwon, MD, and Richard Finkel, MD
- Meeting the Challenges of a Pandemic in Rare Disease Care and Research: Insights from the NIH Rare Diseases Clinical Research Network
- A Family’s Perspective on Caring for a Child With a Rare Neuromuscular Condition By Fatima Khan
- Screening Newborns for Rare Diseases: Collaboration and Confirmatory Testing Are Key By José Abdeneur, MD, and Rebekah Barrick, CGC
President’s Message

It goes without saying that the last year has been difficult in so many ways for all of us, both personally and professionally. I have been so proud of the way AANEM has responded to this unprecedented challenge — the staff, committee members, and editors of *Muscle & Nerve* mobilized quickly to provide our membership with the best information available about taking care of our patients effectively and safely, from PPE to vaccines. We were able to transition to a virtual meeting that provided excellent education to a record number of attendees.

But we missed important elements of our in-person meetings that make them unique, including the opportunity for up-close learning through workshops and demonstrations, small group discussions where you can ask the expert, and casual conversations with colleagues and friends. These things are part of what makes AANEM Annual Meetings so valuable, and why we are all looking forward to meeting in person this fall!

The Plenary this year, “New Worlds, New Ways,” will look at how far we have come with new therapies for neuromuscular disease (NMD), and how we can move forward in a clinically effective and ethical way. We will look at how we are educating our residents and fellows to diagnose and treat NMD effectively, and how we can encourage women to take a leadership role in the field. Perhaps most importantly we will examine how we can provide more equitable care during a pandemic and beyond.

As you are making your plans to attend the meeting, please encourage your residents and fellows to attend as well. AANEM is an organization where anyone can contribute to excellence in education and research, not just in the shadow of the giants in the field, but shoulder to shoulder with them. I hope you will consider sharing that experience and opportunity with them. Whether you are attending for the first time or coming back for a happy reunion, we look forward to seeing you in Aurora!

Warm Regards,

Bonnie J. Weigert, MD  
2021 AANEM President
This unique event is where PM&R, neurology, and other specialties come together to learn and collaborate. Whether you are early in your career or an advanced practitioner, our annual meeting has sessions and workshops that help you provide quality care for your patients.

Bonnie J. Weigert, MD
2021 AANEM President
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Plenary Speakers

This year’s plenary topic is “New World, New Ways.” It will build on the plenary programs of the past several meetings, which have focused on the new groundbreaking treatments for multiple NMDs. The plenaries will look at the clinical progress of those treatments and the ethical challenges they present. As we continue to navigate the COVID-19 pandemic, we also want to explore how we can better address care for NM patients, along with disparities in healthcare, as well as the needs of those who provide it.

Wednesday Plenary 1 | 4:00pm - 5:30pm

Engineering Medicine to Transform Healthcare
Lambert Lecture

Roderic I. Pettigrew, MD, PhD
CEO of EnHealth
Executive Dean for EnMed
Robert A. Welch Professor of Medicine,
Texas A&M University and Houston Methodist Hospital

Thursday Plenary 2 | 10:00am - 12:00pm

Oh Snap!: Ethical Issues with New (& Old) Neuromuscular Therapies
Olney Lecture

Walton O. Schalick III, MD, PhD
University of Wisconsin, Madison, WI

Spinal Muscular Atrophy: Clinical Outcomes With New Treatments

Basil T. Darras, MD
Chief, Division of Clinical Neurology, Boston Children’s Hospital
Director, Neuromuscular Center and SMA Program, Boston Children’s Hospital
Professor of Neurology, Harvard Medical School
Friday Plenary 3 | 10:00am - 12:00pm

Importance of Quality EDX
Reiner Lecture

Peter Grant, MD
Past President, AANEM
Chairman, American Board of Electrodiagnostic Medicine
EDX Fraud Consultant, FBI & OIG
Assistant Professor, Adjunct, Department of PM&R, The Ohio State University
Private Practice, Medford, OR

Pushing the Boundary of Normal in EDX Interpretation
Surinderjit Singh Young Lecture

Sandra Hearn, MD
Michigan Medicine, Ann Arbor, MI

Saturday Plenary 4 | 10:00am - 12:00pm

Advancing Gender Equity in Medicine

Kathryn Rexrode, MD, MPH
Chief, Division of Women’s Health, Department of Medicine, Brigham and Women’s Hospital
Faculty Director, Office for Women’s Careers, Center for Diversity and Inclusion, Brigham and Women’s Hospital
Associate Professor of Medicine, Harvard Medical School
### Session Overview

**Wednesday | October 13**

- Hot Topics in NM Literature - Part 1
- Telemedicine for Management of NM Patients
- EMG Study Design
- Infections and Immunizations in NMD
- MGFA Session
- Hot Topics in NM Literature - Part 2
- EMG Reports
- Challenging Imaging Cases
- Pearls and Pitfalls: Using Immunosuppressive Medications in NM Medicine
- Spine Injections
- Cutting Edge US and NM Imaging
- Axonal, Demyelinating & Conduction Block Neuropathies: Distinguishing CMAP Metrics
- Myalgia and Muscle Stiffness: Approach and Management
- EDX Clinical and Laboratory Evaluation of Polyneuropathy
- Common Inpatient Consults, Questions and Dilemmas
- Evaluation of Common Problems in Persons Referred for EDX
- Plenary 1: New Worlds, New Ways

**Thursday | October 14**

- Ancillary Testing for Diagnosis of Myopathies
- Bracing Principles in Practice
- APP NM Examination
- Complex Regional Pain Syndrome
- Opioid Management
- EDX NM Challenging Cases - Part 1
- Clinical Manifestation and Diagnosis of MG
- Mastering NCSs
- Quantitating Your EMG
- Practical EDX in the Pediatric Population
- US Evaluation of Post-Surgical Ulnar Neuropathy of the Elbow
- Plenary 2: New Worlds, New Ways
- Radiculopathy
- Brachial Plexopathies
- EDX Evaluation of the Foot
- APP EDX Testing & Interpretation
- Injection Techniques 1 - Upper
- EDX NM Challenging Cases - Part 2
- Recent Advances in Nerve Surgery: Changing the Game for Nerve and Spinal Cord Injury
- Building a Successful EDX/NM US Practice: A Case-Based Approach
- MG Treatments: Consensus Guidelines and Novel Therapies
- Approach to Muscle Channelopathies and Their Management
- EDX and US of Entrapment Neuropathies - Part 1
- History of EDX and NM Diseases
- MUP Recruitment Analysis Made Simple
- ROUNDTABLE: Case Discussions

**Friday | October 15**

- Neurology Patients in the Spine Clinic - A Case Based Approach
- The Use of Multiple Testing Modalities in Challenging NM Cases
- EDX and US of Entrapment Neuropathies - Part 2

- Small Fiber Neuropathy
- Peripheral Neuropathy
- How to Incorporate Genetic Testing
- Painful Shoulder
- Evaluation of Suspected Lumbosacral/Cervical Radiculopathy
- Upper Extremity NCS: Lesion Localization and Severity Assessment
- Tip of the Iceberg: When NCS Suggests Other Pathology
- NM Disease in Pregnancy
- MSK US for MSK Conditions Encountered During an NM Evaluation
- EDX Approach to Plexopathies
- Plenary 3: New Worlds, New Ways
- EDX Evaluation of CIDP and MMN
- Autoimmune Neuropathies
- Planning NCSs
- Lumbrosacral Plexopathy
- Injection Techniques 2 - Lower
- Antibody Testing and NMDs
- COVID-19 and NM Disorders
- Autoantibodies and the Evolving MG Treatment Landscape
- Supporting Mobility: Orthotics and Technology to Maximize Mobility and Function in NM Disorders
- Use of NM US Evaluation in Polyneuropathies
- Video NM Cases
- Diagnosis and Treatment: Breakthrough Genetic Testing
- Muscular Dystrophies: From Bedside Diagnosis to Gene Therapy
- When Something Doesn’t Look Right: A Case-Based Approach to Technical Anomalies on NCSs
- Mission to Mars: NM Medical Issues in Space Travel
- Around the World of Gait in 80 Minutes
- Dysautonomia International – Postural Orthostatic Tachycardia Syndrome (POTS)

**Saturday | October 16**

- MSK Mimics of Radiculopathy
- Peripheral Nerve Conditions in the Running Athlete
- Current Topics in IOM
- Needle EMG Review and Approach to Study
- Neurodiagnostic Jeopardy: Let Us Get on Your Nerves!
- Plenary 4: New Worlds, New Ways
Social Events

The 2021 AANEM Annual Meeting offers plenty of chances to connect with colleagues outside of sessions and workshops. After a year of virtual meetings, make the most of the in-person experience by adding these social events to your agenda.

**Speed Networking | Wednesday 3:00pm – 3:45pm**
Connect with colleagues from around the world on Wednesday afternoon. Build your professional relationships by joining peers, leaders, innovators, and other healthcare professionals for a chance to develop your career. Space will be limited so be sure to arrive early. No pre-registration is required.

**President’s Reception | Wednesday 5:45pm – 7:15pm**
Join us in the Exhibit Hall for the official kick-off to the annual meeting. Alcoholic and non-alcoholic beverages will be made available, along with appetizers and other refreshments. All meeting registrants are welcome and encouraged to attend!

**Abstract Poster Presentations | Thursday 1:00pm – 1:30pm | Thursday 3:30pm – 4:00pm | Friday 3:30pm – 4:00pm**
Walk through the abstract poster hall to see the latest cutting-edge research in NM diseases. Authors will be present to answer questions and discuss findings during set times of the day. The poster hall will be open from 7:30am – 9:00pm Thursday and Friday.

**Abstract Award Reception | Thursday 5:45pm – 6:45pm**
Celebrate the advancements of research in the field of NM and EDX medicine by joining our abstract authors for cocktails and appetizers. Engage with winners and the runner-up candidates for the Golseth Young Investigator Award, the Best Abstract Award, and the President’s Research Award.

**EMG Talk | Thursday 7:00pm – 9:00pm**
Drs. Bill Litchy and Larry Robinson are on stage once again for their highly anticipated EMG Talk featuring Spike and Wave. Sit back and enjoy an entertaining and educational evening while relaxing with a beverage. Alcoholic and non-alcoholic beverages will be provided.

**Happy Hour | Friday 5:30pm – 6:30pm**
Enjoy music and good company on Friday evening. Reunite with peers and colleagues from around the world in a fun, intimate setting. Enjoy refreshments, cocktails, wine, and more all during this fun social event.

**Exhibit Hall | Wednesday 5:45pm – 7:15pm | Thursday 9:00am – 4:00pm | Friday 9:00am – 4:00pm**
Learn about the latest medical advancements and trends in EDX and NM medicine at our Exhibit Hall. Stop by Wednesday, Thursday, or Friday in between your sessions and workshops to discuss innovations with industry professionals. You will meet representatives from technology, pharmaceutical, and equipment companies.

**Resident & Fellow Lunch | Friday 11:30am – 1:00pm**
Network with the leadership of AANEM and other peers at this unique opportunity dedicated for residents and fellows in training. A free lunch will be provided to those who attend, but pre-registration is required. You will not want to miss this chance to chat with the great minds in neurology and PM&R!
Two Ways To Participate

For the first time ever, the annual meeting offers two ways for you to participate – a virtual option and an in-person option. Both options offer brand-new, valuable information for physicians, technologists, advanced practice providers, and other healthcare professionals interested in NM and EDX medicine.

After the success of the 2020 AANEM Virtual Annual Meeting, we are offering a virtual option for those unable to attend in person. And for those of you who are ready to reunite with fellow members and colleagues in a fun, safe setting, join us in-person in Aurora, CO from October 13-16, 2021.

Virtual Meeting Option

Virtual Meeting Registration
When you register for the virtual meeting option you will be able to join featured sessions in a live stream and chat with other virtual attendees, the live audience, and have your questions answered by the presenters. You also will have access to the 2021 Annual Meeting Video Collection, which includes a majority of the in-person sessions in an on-demand portal. You will have access to all the sessions in the video collection for 3 years. The collection includes 36 Self-Assessment credits and 85 AMA PRA Category 1 Credits™.

### Virtual Meeting Stream & Collection

<table>
<thead>
<tr>
<th>MEMBER &amp; NONMEMBER</th>
<th>Early Bird</th>
<th>Regular</th>
<th>Late</th>
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<td>Aug. 7-Sept. 26</td>
<td>Sept. 27-Oct. 16</td>
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AANEM members and nonmembers receive the same great low price, thanks to a generous grant from ABPN.
In-Person Meeting Option

In-Person Registration
Registering for the in-person meeting option offers experiences that are not available through the virtual option, such as exclusive in-person sessions, participation in workshops, the Exhibit Hall, the Abstract Poster Hall, and opportunities to connect with friends and colleagues.

<table>
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<tr>
<th><strong>Full Attendance (Oct.13-16)</strong></th>
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<tr>
<td>Technologists, Collaborators, Researchers</td>
<td>$300</td>
<td>$375</td>
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Guest registration is available for $25.
Add Extras

You will have the opportunity to experience a lot of great content through the sessions that are included with your meeting registration. But did you know there are some extras that you can add?

**Annual Meeting Video Collection**

AANEM records the audio and video from most of the sessions at the annual meeting. Recordings of the presentations and the discussions that occur during the sessions are combined into one easy-to-access collection. The Annual Meeting Video Collection also offers enduring credit for 3 years, including 36 Self-Assessment credits and 85 *AMA PRA Category 1 Credits™.*

When you register for the in-person meeting option, you can add the Annual Meeting Video Collection during the registration process for only $145. The cost of the Annual Meeting Video Collection after the meeting is $295. If you register for the virtual meeting option, the Annual Meeting Video Collection is included, free of charge.

*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, and workshops. Workshop materials are available in the Workshop Bundle.

**Annual Meeting Workshop Bundle**

Due to the nature of the workshop setting (e.g. hands-on demonstrations), AANEM encourages in-person attendance. However, if in-person attendance is not possible for all of the workshops you are interested in, AANEM offers the Annual Meeting Workshop Bundle.

You can add the Annual Meeting Workshop Bundle during the meeting registration process for only $50. When you add this bundle, you will receive handouts from all workshops that provide them. These handouts contain the teaching points of the workshops; however, the workshops are not recorded and audio/video is not available.*

*Workshop CME/CEUs are only available for in-person attendance. Workshop CME/CEUs cannot be obtained by purchasing the 2021 Workshop Bundle.

**Guests**

You can add guests to your registration for only $25 per guest. This allows your guests to join you at all the social events throughout the meeting. Guests cannot attend sessions or workshops; however, they can enjoy all the amenities the resort has to offer including an indoor pool, heated outdoor pool with waterslides and a lazy river, and the spa! They also can explore Denver and the surrounding area.

**Workshops**

To customize your meeting experience, add workshops to your registration. Most workshops involve learning in small groups, led by experts in the field. Some workshops are larger group discussions and provide information through demonstrations by experts in the field. Check out the great lineup of available workshops offered this year, and add your choices during registration.
Workshop Overview

**Wednesday, October 13**
- Autonomic Testing Using Live Demonstration
- EMG Laryngeal
- EMG and US Respiratory
- MUAP Quantitation
- Myopathies: EDX Approach
- MSK US of Lower Limb
- US-Guided Treatment of Peripheral Mononeuropathies
- Blink Reflex
- Basic US of Lower Limb Nerves
- Advanced US of Lower Limb Nerves
- EDX Evaluation of the Lower Cranial Nerves
- Cranial NCS and EMG Testing
- EMG Needle Basics
- EMG and US Respiratory
- Entrapment Lower Limb
- Cervical Radiculopathy/Brachial Plexopathy
- US Guidance for Neurotoxins – ADVANCED
- MSK US of Upper Limb
- Expert US
- Basic US of Upper Limb Nerves
- EDX Evaluation of Proximal Upper and Lower Limb Mononeuropathies
- SFEMG and Measuring Jitter Using Concentric Needle
- EMG Needle Basics
- Basic NM US
- NCS Pitfalls
- Skin Biopsy Technique & Applications
- Repetitive Nerve Stimulation
- US Guidance for Neurotoxins
- Basic US of Upper Limb Nerves
- Advanced US of Upper Limb Nerves

**Thursday, October 14**
- Unusual NCSs (Resident/Fellow)
- Basic Nerve Ultrasound (Resident/Fellow)
- EDX Evaluation of Neuromuscular Junction (NMJ) Transmission Disorder (Resident/Fellow)

**Friday, October 15**
- NCS Pitfalls (Resident/Fellow)
- You Make the Call: An Interactive Approach to EMG Waveform Recognition Skills – BASIC
- Advanced Nerve Ultrasound (Resident/Fellow)
- You Make the Call: An Interactive Approach to EMG Waveform Recognition Skills – ADVANCED
- NCSs Basic and Advanced (Tech/Resident/Fellow)
- Basic MSK and Muscle Ultrasound (Resident/Fellow)

**Saturday, October 16**
- Autonomic Testing Using Live Demonstration
- SFEMG and Measuring Jitter Using Concentric Needle
- Basic NM US
- Needle EMG of the Foot
- Anatomy & Kinesiology of the Shoulder/Upper Limb
- Cervical Radiculopathy/Brachial Plexopathy
- Myopathies: EDX Approach
- Sonographic Needle Guidance for Carpal Tunnel Injections
- Basic US of Lower Limb Nerves
- Advanced US of Brachial Plexus
- NCS Workshop – See One, Do One, Teach One (Tech)
Plan Your Stay

Location
Join us in beautiful Aurora, Colorado at the Gaylord Rockies Resort & Convention Center. Only a 15-minute drive from the Denver International Airport, this stunning resort captures the spirit of Colorado balancing rustic charm with a modern spin. Enjoy waking up to the serene view of the mountains.

The Gaylord Rockies Resort offers a variety of restaurants ranging from Vista Montagne, their Italian fine-dining option, to the Old Hickory Steakhouse. Start your day off at the Cocoa Bean with a Starbucks coffee and finish it out with a hand-crafted cocktail at the Pinyons while enjoying 24-hour room service. Covering over 500,000 square feet, this resort comes complete with its very own spa, an indoor and outdoor pool, a shopping center, an arcade and entertainment for days. You will find it difficult to run out of any activities while staying here.

Make your reservation at the elite Gaylord Rockies Resort & Convention Center in our official room block. Book online for rates starting at $269 per night. Booking through our link will credit AANEM for your stay, and will help with AANEM’s guaranteed minimum.

Gaylord Rockies Resort & Convention Center
6700 N Gaylord Rockies Blvd, Aurora, CO 80019
book.passkey.com/go/AANEMAnnualMtg

Off-Site Hotels
While the Gaylord Rockies Resort & Convention Center was hand-picked as the premier gathering place for our members and attendees, there are other hotels in the vicinity. We would like to remind you that staying on site helps AANEM meet our guaranteed room limit, which helps keep conference costs lower.

Airfare
Denver International Airport is 8.5 miles away from Gaylord Rockies Resort & Convention Center.

*AANEM does not provide discounts or assistance on airfare.*
Transportation
Hotel parking starts at $29 per night. Though the resort does not provide shuttle service, Uber and Lyft are available in the area. AANEM has partnered with Hertz to provide a discounted rate on rental cars. Use code CV022Q9322 online at hertz.com or provide the code via telephone for the discount. **Hertz (303) 695-8787 or 1-800-654-2240**

Childcare Services
While there are no childcare services directly through the resort, there are several nearby daycare options for children 7 and older.

Smoke-Free Resort
The Gaylord Rockies Resort & Convention Center has a smoke-free policy. There are designated smoking areas surrounding the resort.

Things to do in Aurora, Colorado
AANEM selected a luxurious resort with everything needed right on site to keep the meeting intimate and safe. The Gaylord Rockies is sure to give you a refreshing break from your hectic day-to-day schedule in this beautiful, secluded area. If you are interested in arriving early or extending your stay, there will be plenty for you to see and experience in both Aurora and Denver.

Sight-Seeing
- Museum of Contemporary Art (Denver) 18.8 mi
- Union Station (Denver) 19.5 mi
- Stanley Marketplace (Aurora) 12.1 mi
- United States Mint (Denver) 20.9 mi
- Denver Zoo (Denver) 16.2 mi

Outdoor Activities
- Aurora Reservoir (Aurora) 18.2 mi
- Cherry Creek State Park (Aurora) 17.5 mi
- Rocky Mountain Arsenal National Wildlife Refuge (Aurora) 9.7 mi
- Red Rocks Amphitheater (Morrison) 34.5 mi

Breweries
- Odell Brewing Co (Denver) 17.2 mi
- Blue Moon Brewing Co (Denver) 16.1 mi
- Cerebral Brewing (Denver) 16.7 mi
- Dry Dock Brewing (Aurora) 5.7 mi

Go to visitaurora.com for more tourism information.
The AANEM Annual Meeting is an excellent venue for physicians to earn AMA PRA Category 1 Credits™ and for technologists and other healthcare professionals to earn CEUs. A wide selection of free sessions are available and most offer CME/CEUs. Almost all of our workshops offer CME and some offer CEUs as well. In addition to these credits, physicians can earn Self-Assessment CME and ABEM certified technologists can earn CNCT Checkpoints.

• 22 AMA PRA Category 1 Credits™ for physicians
• 27 Self-Assessment credits for physicians
• 22 CEUs for technologists and other healthcare professionals
• 4 CNCT Checkpoints for technologists

Self-Assessment CME for Physicians
In addition to AMA PRA Category 1 Credits™, member physicians can earn up to 27 FREE Self-Assessment CME at the 2021 AANEM Annual Meeting. The cost of Self-Assessment CME for nonmember physicians is $50.

The following sessions have been designated for Part II SA credit toward maintenance of certification. Of the 8 available sessions, attendees must attend 2 for every 9 SA CMEs they would like to claim. Due to ABPN & ABPMR guidelines, SA CME will only be given for every combination of 2 sessions you attend. AANEM will report completion of each SA activity to ABPN and ABPMR. Since some of the 8 sessions are scheduled at the same time, the maximum available SA CMEs for physicians is 27.

### Wednesday
- Infections and Immunizations in NMD
- Pearls and Pitfalls: Using Immunosuppressive Medications in NM Medicine
- Common Inpatient Consults, Questions and Dilemmas

### Thursday
- Mastering NCSs

### Friday
- The Use of Multiple Testing Modalities in Challenging NM Cases
- Muscular Dystrophies: From Bedside Diagnosis to Gene Therapy

### Saturday
- Needle EMG Review and Approach to Study
- MSK Mimics of Radiculopathy

CNCT Checkpoints for Technologists
Technologists have the opportunity to receive 4 CNCT Checkpoints at the 2021 AANEM Annual Meeting. Technologists can attend the following sessions to earn up to 3 checkpoints toward CNCT maintenance of certification through the American Board of Electrodiagnostic Medicine (ABEM) and one free checkpoint, for members and nonmembers, is added for attending the entire annual meeting. The 3 checkpoints are also free to members, however they are $50 for nonmember technologists. AANEM will report completion of checkpoints to ABEM.

### Wednesday
- Evaluation of Common Problems in Persons Referred for EDX

### Thursday
- Mastering NCSs

### Friday
- When Something Doesn’t Look Right: A Case-Based Approach to Technical Anomalies on NCSs
Plan Your Schedule

SESSIONS

Sessions are included in the cost of your annual meeting registration. They offer learning opportunities and a chance for you to grow in your area of practice. Create your own curriculum by choosing topics that meet your interests and needs for career development. Whether you are just starting out, or are advanced in your profession, physicians, technologists, and other healthcare providers will find sessions with valuable information in NM, EDX, US, and other practice areas.

Sessions labeled CME are only for physicians, and sessions labeled CEU are only for technologists and other healthcare providers. Everyone is welcome to sessions labeled as CME/CEU.

Roundtable: Case Discussions and Industry Forums have limited seating. Please arrive early as these are available on a first-come, first-served basis. Dr. Bashar Katirji’s EDX NM Challenging Cases – Part 1 and Part 2 are the only sessions that require pre-registration.

WORKSHOPS

Workshops provide you with chances to learn from the experts in EDX and NM medicine via hands-on demonstrations in a small group setting. Develop your personal skill and technique by adding a workshop to your registration. Review the great lineup of workshops offered this year, and add your choices during registration.

Workshop prices are not included in your registration fee and will vary from $25 to $165 depending on the workshop and the date that you register. All workshops are available for physicians. Workshops listing CEU are available to technologists and other healthcare professionals. Please keep in mind that space is limited. Register before August 6 for the best price on workshops.

SOCIAL EVENTS

Mingle with colleagues and experts from around the world at one of our social events. Events are included in the cost of registration and do not have an additional fee.

Kick-off the meeting at the President’s Reception on Wednesday evening where food and beverages will be available. Meet the individuals who contribute to cutting-edge research at the Exhibit Hall or the Abstract Poster Presentations. Residents and fellows in training are invited to attend our Resident and Fellow Lunch, where a free lunch will be provided. Connect in-person with your peers at Speed Networking or grab a beverage on Friday night at our Happy Hour. Join Spike and Wave (Drs. Bill Litchy and Larry Robinson) for a laugh as they return to the stage with their performance of their long standing EMG Talk.

The Resident and Fellow Lunch requires pre-registration to save your place. Space is limited at Speed Networking, but does not require pre-registration. Please arrive early to this event to secure your place.
### Hot Topics in NM Literature - Part 1

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

Amanda C. Guidon, MD | Ruple S. Laughlin, MD | Nathan P. Staff, MD, PhD

### Telemedicine for Management of NM Patients

Describe the current types of telemedicine and its integration into the practice of NM medicine; identify patient perceptions and define practical strategies that increase provider and patient comfort and communication during NM exam in the telemedicine environment; define the role of telemedicine in the future practice of NM medicine; recognize the role of telemedicine in NM clinical trials.

Raghav Govindarajan, MD | Jennifer M. Martinez-Thompson, MD | Michelle L. Mauermann, MD | Aziz Shaibani, MD

### EMG Study Design

Participants will discuss planning the EDX evaluation, interpreting the resulting data, modifying the evaluation as might be needed and composing a meaningful report. Examples of common clinical problems referred to EDX labs will be the basis of the presentation.

John C. Kincaid, MD | Rebecca A. O’Bryan, MD

### Infections and Immunizations in NMD

Recognize the effects of infections in people with underlying NMDs; outline the associations between infections and NMDs; immunizations and NMDs; describe the risks of infections in people with NMD who are on immunosuppressive or immunomodulatory agents; discuss the effectiveness of immunizations in this group; identify the neurologic complications associated with COVID-19 infections; review COVID-19 vaccines; list current recommendations for immunizations in individuals with NMDs, with emphasis on COVID-19.

This is a Self-Assessment (SA) CME session. To receive the SA CME credit, a post-test must be completed with a 70% passing rate. Post-tests are free to members and $50 for nonmembers.

Gregory Gruener, MD, MBA, MHPE | Pushpa Narayanaswami, MBBS, DM | Sasha Zivkovic, MD, PhD

### 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.

Jasvinder P. Chawla, MBBS, MD, MBA

### W08A EMG Laryngeal

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

Michael C. Munin, MD
### W11A EMG and US Respiratory

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.

**Andrea J. Boon, MD**

### W16A MUP Quantitation

The motor unit potential (MUP) is a fundamental signal in routine EMG. This workshop will demonstrate the physiologic composition of the MUP with its morphologic analogue (the motor unit), how it is ‘interactively’ recorded by manipulating the EMG system, and how the MUP signals are altered in NM disorders. An ‘objective’ quantitative approach permits the electromyographer to assess muscles as if performing an ‘electrophysiologic biopsy’.

**Paul E. Barkhaus, MD**

### W55A 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.

**Elie Naddaf, MD**

### W57A MSK US of Lower Limb

Explain which transducer frequencies are typically used for imaging lower extremity joints in adults; develop a differential diagnosis of lower extremity joint pain; identify key landmarks in lower extremity joints using US; and describe the pathologic changes of tendon rupture, tear, and inflammation.

**Jeffrey A. Strakowski, MD**

### W67A US-Guided Treatment of Peripheral Mononeuropathies

Describe the technical aspects of US-guided needle placement; utilize US-guided procedures to treat common peripheral neuropathies; and demonstrate the ability to track a needle under real-time US guidance in order to quickly and accurately target a structure through a hands-on approach.

**John W. Norbury, MD, NMUS CAQ**

### W72A Blink Reflex

Discuss the principles and practice of eliciting the blink reflex with electric stimulation or by mechanical taps; and identify the clinical values and limitations of the blink reflex as an EDX study.

**Jun Kimura, MD**

### W81A Basic US of Lower Limb Nerves

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; 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 at ankle.

**Lester S. Duplechan, MD**
### W85A Advanced US of Lower Limb Nerves

**8:00am - 9:30am**  
**Workshop**  

Explain recommended transducer frequencies and image optimization methods for imaging of lower extremity nerves; demonstrate scanning technique and measurement of the following nerves: femoral, saphenous, obturator and lateral femoral cutaneous nerve (LFCN); describe and demonstrate the branching pattern of fibular nerve; 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 the femoral, saphenous, obturator, LFCN, and fibular.

Steven J. Shook, MD

*1.50 CME/CEU*

### W89A EDX Evaluation of the Lower Cranial Nerves

**8:00am - 9:30am**  
**Workshop**  

Lower cranial neuropathy evaluation in the EDX lab is an informative complement to the clinical evaluation and exam. Discuss a methodical approach to the EDX evaluation of cranial nerves XI and XII, with particular emphasis on topics pertaining to electrode placement, stimulation site, needle insertion site, side to side testing, and the proper interpretation of normal and abnormal findings; use such findings to then support or refute diagnoses encountered in clinic.

Hani A. Kushlaf, MD | Amro M. Stino, MD

*1.50 CME*

### Silent Auction

**8:00am - 8:00pm**  
**Social Event**  

All money raised from the Silent Auction goes to the American Neuromuscular Foundation to provide funds for scientific research on NM diseases.

*1.50 CME/CEU*

### MGFA Session

**8:00am - 12:45pm**  
**Session**  

The Myasthenia Gravis Foundation of America (MGFA) Medical/Scientific Advisory Board presents a scientific session highlighting research in the area of MG and myasthenic disorders. This session is the premier annual event around the U.S. and world related to the pathogenesis, immunology, diagnosis, and treatment of MG and related disorders of the NMJ. Included in the program will be leaders in MG research from the scientific and clinical areas.

### Coffee Break

**9:30am - 10:00am**  
**Social Event**  

Enjoy free coffee and use break time to network and socialize with your colleagues.

### Hot Topics in NM Literature - Part 2

**10:00am - 11:30am**  
**Session**  

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

Jeffrey A. Allen, MD | Mazen M. Dimachkie, MD | Ruple S. Laughlin, MD

*1.50 CME/CEU*

### EMG Reports

**10:00am - 11:30am**  
**Session**  

Convey important information about radiculopathies in EMG reports to referring physicians; identify information necessary for inclusion in an EMG report; and implement appropriate degree of clinical and EDX interpretation into a meaningful EMG report.

Kerry H. Levin, MD | Elizabeth A. Mauricio, MD | Devon I. Rubin, MD

*1.50 CME/CEU*
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Description</th>
<th>Speakers</th>
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<tbody>
<tr>
<td>10:00am -</td>
<td>10:30am</td>
<td>W05B Cranial NCS and EMG Testing</td>
<td>Perform neurophysiological testing of the cranial nerves including blink reflexes and jaw jerk; seventh NCSs; eleventh nerve testing; and discuss EMG of key muscles that complement the cranial NCS.</td>
<td>Jun Kimura, MD</td>
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<tr>
<td>11:30am</td>
<td>10:30am</td>
<td>W10B EMG Needle Basics</td>
<td>Utilize electrophysiologic techniques related to needle EMG; apply a problem-directed approach to the study; identify insertional and spontaneous activity; and identify the characterization of MUAP morphology and recruitment in normal and diseased states.</td>
<td>Atul T. Patel, MD, MHSA</td>
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<td>W11B EMG and US Respiratory</td>
<td>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.</td>
<td>William J. Litchy, MD</td>
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<td>10:00am -</td>
<td>10:30am</td>
<td>W13B Entrapment Lower Limb</td>
<td>Familiarize participants with techniques needed to evaluate and diagnose entrapments in lower limbs. Acquire skills to perform NCSs for fibular (peroneal), tibial, medial, and lateral plantar nerves; and identify the appropriate muscles for evaluating lower limb nerve entrapments and appropriate needle placement for EMG examination.</td>
<td>Michael T. Andary, MD, MS</td>
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<td>10:00am -</td>
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<td>Challenging Imaging Cases</td>
<td>Identify challenging imaging findings encountered on NM US including anomalies of nerve, muscle and bone; neoplastic lesions of nerve and nearby structures; and unusual pathologies of nerve and muscle.</td>
<td>Christopher Geiger, DO</td>
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<td>11:30am</td>
<td></td>
<td>Pearls and Pitfalls: Using Immunosuppressive Medications in NM Medicine</td>
<td>Describe common side effects, rare adverse reactions, and key monitoring parameters for corticosteroids and steroid-sparing immunosuppressive medications used to treat NM conditions; appraise general principles and guidelines for the use of immunosuppressive medications in NM medicine; analyze case-based approaches for corticosteroid and steroid-sparing drug initiation, dose titration, and taper in MG and inflammatory myopathy; discuss the implications of the COVID-19 pandemic in the use of these medications.</td>
<td>Anthony A. Amato, MD</td>
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<td>10:00am -</td>
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<td>Spine Injections</td>
<td>Outline the different types of spinal injections that can be used in patient care; assess which patients would benefit from a spinal injection; recognize when history and physical exam findings suggest possible benefit from spinal injections; differentiate between the spinal injections and their uses; summarize the main uses of spinal injections and what the newest evidence based information is on these procedures.</td>
<td>Robert W. Irwin, MD</td>
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<td>10:30am - 12:00pm</td>
<td><strong>W45B Cervical Radiculopathy/Brachial Plexopathy</strong></td>
<td>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.</td>
<td>Ghazala R. Hayat, MD</td>
<td>1.50 CME</td>
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<td>10:30am - 12:00pm</td>
<td><strong>W59B US Guidance for Neurotoxins - ADVANCED</strong></td>
<td>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.</td>
<td>Katharine E. E Alter, MD</td>
<td>1.50 CME</td>
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<td>10:30am - 12:00pm</td>
<td><strong>W60B MSK US of Upper Limb</strong></td>
<td>Explain which transducer frequencies are optimal for imaging upper extremity joints in adults; provide a differential diagnosis of joint pain in the upper extremity; identify key landmarks in upper extremity joints using US; and describe the pathologic changes of tendon rupture, tear, and inflammation.</td>
<td>Lester S. Duplechan, MD</td>
<td>1.50 CME/CEU</td>
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<td>10:30am - 12:00pm</td>
<td><strong>W68B Expert US</strong></td>
<td>Demonstrate advanced US practices involving challenging and complicated nerves and measurement techniques of the peripheral nerve in the upper and lower limbs.</td>
<td>Jeffrey A. Strakowski, MD</td>
<td>1.50 CME/CEU</td>
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<td>10:30am - 12:00pm</td>
<td><strong>W76B Basic US of Upper Limb Nerves</strong></td>
<td>Describe basic principles of US imaging and equipment requirement; demonstrate scanning technique of the median and ulnar nerves, dynamic testing and measurements; and discuss sonographic findings of common entrapment neuropathies. This workshop will focus on the median and ulnar nerves from the elbow to wrist.</td>
<td>Elena Shanina, MD, PhD</td>
<td>1.50 CME/CEU</td>
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<td>10:30am - 12:00pm</td>
<td><strong>W88B EDX Evaluation of Proximal Upper and Lower Limb Mononeuropathies</strong></td>
<td>EDX evaluation of proximal limb nerves is often challenging given the potential of under-stimulation during NCSs. Demonstrate the best practices in order to obtain reliable responses and address the technical challenges faced during performing and analyzing NCSs of these nerves.</td>
<td>Bashar Katirji, MD</td>
<td>1.50 CME</td>
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<td>1:30pm - 3:00pm</td>
<td><strong>Cutting Edge US and NM Imaging</strong></td>
<td>Illustrate the role for NM imaging in DMD and related disorders; demonstrate the role of US and MRI in diagnosing and understanding neuralgic amyotrophy; and critically evaluate how NM US can improve the diagnosis and care of ALS.</td>
<td>Lisa D. Hobson-Webb, MD</td>
<td>1.50 CME/CEU</td>
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<td>1:30pm - 3:00pm</td>
<td><strong>Axonal, Demyelinating &amp; Conduction Block Neuropathies: Distinguishing CMAP Metrics</strong></td>
<td>Recognize the EDX features and accurately distinguish between the three nerve pathologies; over diagnosis of demyelinating neuropathies (GBS, CIDP and MMN) is common and leads to inappropriate and costly therapies.</td>
<td>Mark B. Bromberg, MD, PhD</td>
<td>1.50 CME/CEU</td>
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<td>1:30pm -</td>
<td><strong>Myalgia and Muscle Stiffness: Approach and Management</strong></td>
<td>Classify and identify causes of muscle pain and stiffness; diagnose and manage various forms of myotonic disorders and painful myopathies; identify and manage stiff person syndrome &amp; peripheral nerve hyperexcitability; evaluate for and treat myofascial pain syndrome and fibromyalgia.</td>
<td>Goran Rakocevic, MD</td>
<td>Mohammad K. Salajegheh, MD</td>
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<td>1:30pm -</td>
<td><strong>EDX Clinical and Laboratory Evaluation of Polyneuropathy</strong></td>
<td>Recognize the clinical features of the major types of peripheral neuropathy; assess how EDX studies can help to differentiate the major subtypes of polyneuropathy; identify which laboratory and ancillary tests are most useful in the evaluation of polyneuropathy.</td>
<td>Rima El-Abassi, MD</td>
<td>John D. England, MD</td>
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<td>1:30pm -</td>
<td><strong>Common Inpatient Consults, Questions and Dilemmas</strong></td>
<td>Articulate a confident clinical approach to common questions both neurologists and physiatrists face as an inpatients consultant and give learners a toolkit, both clinical and electrodiagnostic, to thoughtfully approach a variety of situations including ICU-acquired weakness, respiratory failure, and postsurgical weakness.</td>
<td>Gary W. Gallagher, MD</td>
<td>Ryan D. Jacobson, MD</td>
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<td>1:30pm -</td>
<td><strong>Evaluation of Common Problems in Persons Referred for EDX</strong></td>
<td>Utilize the latest clinical guidelines, techniques, and strategies for evaluating patients for the most common scenarios we face with EDX referrals: CTS, ulnar neuropathy, polyneuropathy, and cervical and lumbosacral radiculopathy.</td>
<td>Timothy R. Dillingham, MD</td>
<td>MS</td>
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<td>W07C</td>
<td><strong>SFEMG and Measuring Jitter Using Concentric Needle</strong></td>
<td>Demonstrate how jitter can be measured using CNE, and identify machine settings and limitations. Must be familiar with the basic concepts of SFEMG techniques.</td>
<td>Janice M. Massey, MD</td>
<td>Donald B. Sanders, MD</td>
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<tr>
<td>W10C</td>
<td><strong>EMG Needle Basics</strong></td>
<td>Utilize electrophysiologic techniques related to needle EMG; apply a problem-directed approach to the study; identify insertional and spontaneous activity; and identify the characterization of MUAP morphology and recruitment in normal and diseased states.</td>
<td>Atul T. Patel, MD</td>
<td>MHSA</td>
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<td>W18C</td>
<td><strong>Basic NM US</strong></td>
<td>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.</td>
<td>Michael S. Cartwright, MD</td>
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<td>1:30pm - 3:00pm</td>
<td><strong>W21C NCS Pitfalls</strong></td>
<td>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.</td>
<td>Bassam A. Bassam, MD</td>
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<td>1:30pm - 3:00pm</td>
<td><strong>W22C Skin Biopsy Technique &amp; Applications</strong></td>
<td>Discuss the development of skin biopsy as a clinical technique; describe its current applications and limitations in clinical practice; and discuss the technique involved in obtaining skin specimens to increase your comfort level in performing this billable procedure in your office.</td>
<td>David W. Polston, MD</td>
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<td>1:30pm - 3:00pm</td>
<td><strong>W27C Repetitive Nerve Stimulation</strong></td>
<td>Perform RNS to shoulder, upper arm, hand, and facial muscles; and discuss sequential examination for detecting NM transmission defects, such as artifacts.</td>
<td>Taylor B. Harrison, MD</td>
<td>1.50</td>
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<td>3:00pm - 3:45pm</td>
<td><strong>W76C Basic US of Upper Limb Nerves</strong></td>
<td>Describe basic principles of US imaging and equipment requirement; demonstrate scanning technique of the median and ulnar nerves, dynamic testing and measurements; and discuss sonographic findings of common entrapment neuropathies. This workshop will focus on the median and ulnar nerves from the elbow to wrist.</td>
<td>Sarada Sakamuri, MD</td>
<td>1.50</td>
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<tr>
<td>3:00pm - 4:00pm</td>
<td><strong>W86C Advanced US of Upper Limb Nerves</strong></td>
<td>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, LAC.</td>
<td>Monika Krzesniak-Swinarska, MD</td>
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**Speed Networking**

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 speed networking event early, because space is limited. Speed networkers will make several connections during the session, so don’t forget your business cards.

**Coffee Break**

Enjoy free coffee and use break time to network and socialize with your colleagues.
Plenary 1: New Worlds, New Ways

Describe how the integration of engineering, the physical and the biological sciences has resulted in significant progress in the understanding of the cellular and molecular mechanisms that underlie disease, advances in diagnosis, improvements in therapeutics, enhanced focus on preventative strategies, and the development and implementation of artificial intelligence; discuss how innovations are needed to bring healthcare to all that need it and the importance of precision health and healthy longevity; and state the importance of “physicianers” of the future to converge engineering and medicine to transform healthcare through invention and innovation.

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.

1.50 CME/CEU

5:45pm - 7:15pm
Exhibit Hall

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.

5:45pm - 7:15pm
President's Reception

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

AANEM’s Training Program Partnership

The Best Source for EDX and NM Medicine Training

Cutting Edge
400+ training materials including case studies, practice self-assessment exams w/answer reviews, self-study EMG/NCS curriculum, journal noteworthy cases, and more. Trainees will learn more about NM & EDX care for all patients.

Affordable
$253 per academic year per department to allow enrollment of all residents and fellows within the department—no limit to the number of individuals in the department.

Flexible & Transformative
TPP's online learning portal allows for access to hundreds of learning materials anytime, anywhere to help meet training milestones.

Enroll Today & Gain
- $265 discount off registration for the AANEM Annual Meeting for each trainee in the department plus $455 discount for the Program Director
- Free annual individual membership to AANEM
- Free registration for the Spring Virtual Conference
Thursday | October 14

7:30am - 9:00pm
Poster Hall
Take time to stroll through the Poster Hall to view research submitted for the annual meeting. Poster authors will be available at specified times to discuss their research.

8:00am - 9:30am
Session
Ancillary Testing for Diagnosis of Myopathies
Utilize EDX study, serology, genetic test, muscle biopsy or muscle imaging appropriately when encountering myopathy patients.

This is an “Ask the Experts” 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 Collection.

Teerin Liewluck, MD

8:00am - 9:30am
Session
Bracing Principles in Practice
Address questions regarding leg, ankle, arm, neck and shoulder orthoses.

This is an “Ask the Experts” 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 Collection.

Erik R. Ensrud, MD

8:00am - 9:30am
Session
APP NM Examination
This ATE will allow participants to ask questions about the NM examination and fine tune their technique.

This is an “Ask the Experts” 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 Collection.

Debra O’Reilly, MS, PA-C | Dianna Quan, MD

8:00am - 9:30am
Session
Complex Regional Pain Syndrome
With regard to CRPS, use case presentations to discuss a clinical approach, review diagnostic criteria; review basic treatment approach; and medication options including opioids.

This is an “Ask the Experts” 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 Collection.

Mitchell K. Freedman, DO

1.50 CME/CEU

8:00am - 9:30am
Session
Opioid Management
Reinforce the limited role of opioids in neuropathic pain vs. their role in nociceptive pain; explore the role of opioids in a multi-modal pain management program in a NM patient with pain complaints; inquire on the current state of the use of opioid antagonist and agonist/antagonists in the management of the NM patient with pain complaints.

This is an “Ask the Experts” 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 Collection.

Anthony E. Chiodo, MD, MBA

1.50 CME/CEU

8:00am - 9:30am
Session
EDX NM Challenging Cases - Part 1
Apply and refine the process of diagnostic formulation in NM medicine and clinical EMG and improve patient care. This session relies on attendees to provide challenging cases.

Bashar Katirji, MD

1.50 CME/CEU
<table>
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<tr>
<th>Time</th>
<th>Session</th>
<th>Description</th>
<th>Speakers</th>
<th>Credits</th>
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<tbody>
<tr>
<td>8:00am -</td>
<td>Clinical Manifestation and Diagnosis of</td>
<td>Identify the clinical manifestations of various subtypes of MG; select appropriate diagnostic approaches for confirming the diagnosis of MG; discuss the differential diagnoses of MG.</td>
<td>Michael K. Hehir, MD, Yuebing Li, MD, PhD, Mamatha Pasnoor, MD</td>
<td>1.50 CME/CEU</td>
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<tr>
<td>9:30am</td>
<td>MG</td>
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<tr>
<td>8:00am -</td>
<td>Mastering NCSs</td>
<td>Familiarize participants with techniques needed to evaluate and diagnose entrapments in lower limbs; acquire skills to perform NCSs for fibular (peroneal), tibial, medial, and lateral plantar nerves; and identify the appropriate muscles for evaluating lower limb nerve entrapments and appropriate needle placement for EMG examination.</td>
<td>Michael T. Andary, MD, MS, Sandra L. Hearn, MD, Vikram Narula, MD</td>
<td>1.50 CME/CEU</td>
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<td>9:30am</td>
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<tr>
<td>8:00am -</td>
<td>Quantitating Your EMG</td>
<td>Recognize the value of quantitating motor unit metrics; incorporate quantitation into routine studies; and use quantitative software to enhance diagnoses.</td>
<td>Mark B. Bromberg, MD, PhD</td>
<td>1.50 CME/CEU</td>
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<td>9:30am</td>
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<td>8:00am -</td>
<td>Practical EDX in the Pediatric Population</td>
<td>Identify unique aspects to performing EDX in children, review cases illustrating the utility of EDX in challenging NM evaluations, and demonstrate how EDX and US modalities can complement each other in NM evaluations.</td>
<td>Katharine E. E Alter, MD, Peter B. Kang, MD, Nancy L. Kuntz, MD</td>
<td>1.50 CME/CEU</td>
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<tr>
<td>8:00am -</td>
<td>US Evaluation of Post-Surgical Ulnar</td>
<td>Develop a systematic US approach to evaluating persistent problems following ulnar neuropathy surgery.</td>
<td>Jeffrey A. Strakowski, MD</td>
<td>1.50 CME/CEU</td>
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<tr>
<td>9:30am</td>
<td>Neuropathy of the Elbow</td>
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<td>8:00am -</td>
<td>W23RTA Unusual NCSs (Resident/Fellow)</td>
<td>Participants will be able to identify less commonly used NCSs and discuss pitfalls associated with common NCSs. Limited to residents/fellows and medical students only.</td>
<td>Lawrence R. Robinson, MD</td>
<td>1.50 CME</td>
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<tr>
<td>8:00am -</td>
<td>W83RTA Basic Nerve Ultrasound (Resident/Fellow)</td>
<td>Topics covered will include 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. Limited to residents/fellows and medical students only.</td>
<td>Sarada Sakamuri, MD, Shumaila Sultan, MD</td>
<td>1.50 CME</td>
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<td>8:00am -</td>
<td>W91RTA EDX Evaluation of Neuromuscular</td>
<td>Participants will learn the EDX approach to delineate a NMJ disorders using repetitive stimulation; participants will perform repetitive nerve stimulation 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.</td>
<td>Ruple S. Laughlin, MD</td>
<td>1.50 CME</td>
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<tr>
<td>9:30am</td>
<td>Junction (NMJ) Transmission Disorder</td>
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### Silent Auction

All money raised from the Silent Auction goes to the American Neuromuscular Foundation to provide funds for scientific research on NM diseases. Auction closes at 4:00pm and winners will be notified.

### Exhibit Hall

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.

### Coffee Break

Enjoy free coffee and use break time to network and socialize with your colleagues.

### Plenary 2: New Worlds, New Ways

Discuss how the development of nusinersen created ethical dilemmas; explore these issues in terms of lived experience, disabilities, contractarian, utilitarian, and social analysis to provide tools to enhance both care and policies for people with NM conditions.

Provide a brief description of SMA; genetics of SMA; natural history of SMA; new therapeutic interventions and clinical outcomes; and newborn screening for SMA.

Basil T. Darras, MD | Pushpa Narayanaswami, MBBS, DM | Walton Schalick, MD | Bonnie J. Weigert, MD

### Radiculopathy

With regard to lumbosacral and cervical radiculopathies, discuss pertinent historical features; integrate a pertinent physical and EDX examination that ensures high diagnostic accuracy; utilize other diagnostic tests and treatment options to improve your care of patients. Emphasis will be on EDX assessment and findings.

This is an “Ask the Experts” 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 Collection.

Peter A. Grant, MD

### Brachial Plexopathies

Articulate brachial plexus anatomy; illustrate the role of the sensory and motor NCs to localize and characterize the lesions (pathophysiology, severity, prognosis); use needle EMG to add to the NCS findings, especially its temporal features (slowly progressive, rapidly progressive, acute, subacute, chronic). Cases will be used to demonstrate how to improve patient care.

This is an “Ask the Experts” 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 Collection.

Mark A. Ferrante, MD

### EDX Evaluation of the Foot

In an EDX evaluation of the foot, design the optimal EDX evaluation; state the role of needle EMG; and generate a differential diagnosis for neuropathic foot pain, including entrapment neuropathies in the foot/ankle.

This is an “Ask the Experts” 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 Collection.

David R. Del Toro, MD
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<tr>
<td>1:30pm - 3:00pm</td>
<td><strong>APP EDX Testing &amp; Interpretation</strong></td>
<td>This session will allow participants to ask questions about when and how to use EDX testing and how to interpret the report received from the EDX physician. This is an “Ask the Experts” 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 Collection.</td>
<td>Divpreet Kaur, MD</td>
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<td>1:30pm - 3:00pm</td>
<td><strong>Injection Techniques 1 - Upper</strong></td>
<td>Evaluate the clinical features of the various upper extremity NM and MSK disorders; differentiate the common upper extremity NM and MSK disorders with history and physical examination; use the principles of safe and effective upper extremity injections; and describe and perform mock upper extremity injections. This is an “Ask the Experts” 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 Collection.</td>
<td>Anthony E. Chiodo, MD, MBA</td>
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<td>1:30pm - 3:00pm</td>
<td><strong>EDX NM Challenging Cases - Part 2</strong></td>
<td>Apply and refine the process of diagnostic formulation in NM medicine and clinical EMG and improve patient care. This session relies on attendees to provide challenging cases.</td>
<td>Bashar Katirji, MD</td>
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<tr>
<td>1:30pm - 3:00pm</td>
<td><strong>Recent Advances in Nerve Surgery: Changing the Game for Nerve and Spinal Cord Injury</strong></td>
<td>Utilize EMG to precisely assess severity of nerve injuries; adjust your EMG approach to more effectively assist with surgical decision making; recognize surgical options for severe nerve and plexus injuries as well as spinal cord injuries; and recognize when to refer patients for surgical evaluation.</td>
<td>Jana Dengler, MD</td>
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<tr>
<td>1:30pm - 3:00pm</td>
<td><strong>Building a Successful EDX/NM US Practice: A Case-Based Approach</strong></td>
<td>Identify opportunities to market your practice, interact with referral sources, and tailor patient care to increase both the quality of EDX care provided and the number of referrals to the practice. A case-based approach will be utilized to present the information in the session. While the role of NM US in strengthening the practice will be reviewed, this session will also be applicable to practices which do not yet have US capabilities.</td>
<td>Ruple S. Laughlin, MD</td>
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<td>1:30pm - 3:00pm</td>
<td><strong>MG Treatments: Consensus Guidelines and Novel Therapies</strong></td>
<td>Describe recommendations of the 2020 international consensus guidance for MG treatment; recognize novel targets for MG treatment; and review recent results of drugs in the pipeline for MG.</td>
<td>Srikanth Muppidi, MD</td>
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Approach to Muscle Channelopathies and Their Management

Articulate the causes of muscle channelopathies and classify them based on the ion channels involved; diagnose various forms of muscle channelopathies based on their clinical presentation and EDX characteristics; manage myotonic disorders by treating muscle stiffness and addressing systemic involvement in myotonic dystrophies; manage periodic paralyses by preventing attacks and aborting attacks of paralysis.

Mohammad K. Salajegheh, MD | Jaya R. Trivedi, MD

1.50 CME/CEU

EDX and US Evaluation of CTS, Cubital Tunnel Syndrome and Tarsal Tunnel Syndrome - Part 1

Contrast diagnosing CTS, ulnar neuropathy of the elbow, and tibial nerve/tarsal tunnel clinically, electrophysiologically, and with US.

Jun Kimura, MD | Jeffrey A. Strakowski, MD

1.50 CME/CEU

Coffee Break

Enjoy free coffee and use break time to network and socialize with your colleagues.

1.50 CME

Abstract Poster Session II

Authors of abstracts will be available to discuss their research. Stop by to review the information from this year’s abstracts and meet the authors.

1.50 CME/CEU

History of EDX and NM Diseases

Identify historical/landmark discoveries related to current electrophysiologic techniques; relate current NM disease conditions to their original descriptions; and articulate the historical evolution of our understanding of the etiology and pathology of certain NM disorders.

J. David Avila, MD | Mohamed Kazamel, MD | John C. Kincaid, MD | Janice M. Massey, MD

1.50 CME/CEU

MUAP Recruitment Analysis Made Simple

Recognize MUAP firing rates with a high degree of accuracy; formulate recruitment ratios using auditory recognition skills; and assess whether recruitment is normal or abnormal in a variety of examples.

Devon I. Rubin, MD

1.50 CME

ROUNDTABLE: Case Discussions

Confer with experts in a smaller one-on-one setting to improve your performance and interpretation of clinical studies and add clinical input. This session will improve your use of quality EDX studies in the diagnosis and treatment of patients. Participants are encouraged to bring their own cases to the session.

Limited to 60 participants on a first-come, first-served basis.

Said R. Beydoun, MD | Erik R. Ensrud, MD | Mark A. Ferrante, MD | Bashar Katirji, MD | David C. Preston, MD | Bryan E. Tsao, MD

Neurology Patients in the Spine Clinic - A Case-Based Approach

Identify history, physical examination, imaging, laboratory, and EDX features that help differentiate between patients with common degenerative spine disorders (such as cervical myelopathy, lumbar stenosis, and radiculopathy), patients with primary neurological disorders, and patients with both neurological and spine disorders.

Arlan M. Henrie, DO | Ligia V. Onofrei, MD

1.50 CME/CEU

The Use of Multiple Testing Modalities in Challenging NM Cases

Identify testing modalities that can help in the diagnosis and management of challenging NM patients; and determine the clinical significance of unusual laboratory tests.

This is a Self-Assessment (SA) CME session. To receive the SA CME credit, a post-test must be completed with a 70% passing rate. Post-tests are free to members and $50 for nonmembers.

Chafic Karam, MD | Tahseen Mozaffar, MD | Elie Naddaf, MD

1.50 CME/CEU
EDX and US Evaluation of CTS, Cubital Tunnel Syndrome and Tarsal Tunnel Syndrome - Part 2

Contrast diagnosing CTS, ulnar neuropathy of the elbow, and tibial nerve/tarsal tunnel clinically, electrophysiologically, and with US.

Michael S. Cartwright, MD | Panel | Jeffrey A. Strakowski, MD

Abstract Award Winners’ Reception

Enjoy an evening celebrating research! Socialize with colleagues and abstract authors while enjoying complimentary food, wine, beer and other refreshments. The Golseth, Best Abstract and President's Research award-winning authors will be available for discussion of their research.

EMG Talk

Spike and Wave are BACK! Join Drs. Bill Litchy and Larry Robinson for a return performance of the long standing EMG Talk. Enjoy a good laugh while learning too. Audience participation is key. Prizes will be awarded. Sweet treats, alcoholic and nonalcoholic beverages will be served.

William J. Litchy, MD | Lawrence R. Robinson, MD
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<th>Time</th>
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<th>Details</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>7:30am -</td>
<td>Poster Hall</td>
<td>Take time to stroll through the Poster Hall to view research submitted for the annual meeting. Poster authors will be available at specified times to discuss their research.</td>
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<td>4:00pm</td>
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<td>8:00am -</td>
<td>Small Fiber Neuropathy</td>
<td>Discuss appropriate workup and tests for patients presenting with small fiber neuropathy, differential diagnosis, and treatment options. This is an “Ask the Experts” 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 Collection.</td>
<td>Amanda C. Peltier, MD, MS</td>
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<td>9:30am</td>
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<tr>
<td>8:00am -</td>
<td>Peripheral Neuropathy</td>
<td>Articulate a differential diagnosis of peripheral neuropathy; arrange neuropathies into motor, sensory, and mixed types as well as into demyelinating and axon loss types; assess EDX approach to evaluating patients with diffuse polyneuropathies; and implement treatment options from immunosuppression to neuropathic pain management. This is an “Ask the Experts” 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 Collection.</td>
<td>Peter D. Donofrio, MD</td>
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<td>8:00am -</td>
<td>How to Incorporate Genetic Testing</td>
<td>Use an algorithmic approach to ordering genetic tests for patients with suspected hereditary NMDs. This is an “Ask the Experts” 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 Collection.</td>
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<td>8:00am -</td>
<td>Painful Shoulder</td>
<td>Discuss the approach to patients who present with a painful shoulder; distinguish between neurologic and MSK causes of shoulder pain; identify key elements of the history; perform an efficient screening physical examination of the shoulder, and describe the common and uncommon causes of shoulder pain, and recognize the role of point of care US, therapeutic exercise, injections, and appropriate surgical referrals. This is an “Ask the Experts” 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 Collection.</td>
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<tr>
<td>8:00am -</td>
<td>Evaluation of Suspected Lumbosacral/Cervical Radiculopathy</td>
<td>Discuss the data from two recent Muscle &amp; Nerve radiculopathy papers including the usefulness of EMG evaluation and the implications for prediction of clinical outcomes and guidance regarding treatment strategies. This is an “Ask the Experts” 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 Collection.</td>
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1.50 CME/CEU
Review the PNS anatomy of the upper extremity, including root, plexus, and nerve innervation; recognize the use of sensory NCS for the initial localization of axon loss processes; the role of motor NCS for localization of focal demyelination and for lesion severity assessment; and role of needle EMG to confirm the NCS findings and to delineate the temporal features (acute, subacute, chronic, rapidly progressive, slowly progressive).

Mark A. Ferrante, MD

Outline a systematic and comprehensive approach to the assessment of patients with unexpected findings. This interactive session will center around real-life cases of patients who had previously unrecognized pathologies that significantly altered their treatment.

Sarah Breevoort, MD, PhD | Carrie E. Ford, CNCT, R.E.P.T., R.NCS.T. | Ligia V. Onofrei, MD

Describe the NM conditions that occur more frequently in pregnancy; summarize the presentation and management of specific NMDs during pregnancy, labor/delivery, and postpartum; describe important treatment considerations for women with NMDs who are planning a future pregnancy; illustrate the advantages of working with interdisciplinary teams in the management of care for these patients.

Nasheed I. Jamal, MD | Divya Singhal, MD | Kara Stavros, MD

Identify common MSK problems that can confound symptoms and NM evaluation with the use of high frequency US; discuss MSK dilemmas facing NM specialists; and describe the techniques for identifying confounding concomitant MSK comorbidities. This will be an interactive session that will include PowerPoint slides, live discussion, and live US demonstrations.

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

Describe an approach to evaluate and diagnose lesions involving the brachial and lumbar plexus; identify the relevant anatomy and describe differential diagnosis including potential mimics from other neurological conditions; utilize a thorough step-by-step approach to interpret EDX information in order to make a diagnosis; and summarize surgical options based on the EDX diagnosis and prognosis. Cases will be used to enhance this session.

Joelle Gabet, MD | Michael C. Munin, MD | Atul T. Patel, MD, MHSA

COVID-19 has changed how we live, work, exercise and participate in sports. Attendees will recognize the impact this has on how to evaluate and manage athletes including identifying the NM, MSK (NM-SK) mechanisms involved in sports trauma and the NM-SK injuries unique to each sport; utilizing EDX and US in diagnosing these injuries; and recognizing patient management problems in athletes who develop COVID-19.

Anthony G. Alessi, MD | Bryan X. DeSouza, MD | Panel
**Workshop**

8:00am - 9:30am

**W21RFA NCS Pitfalls (Resident/Fellow)**

This workshop identifies 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 Resident/Fellows.

Bassam A. Bassam, MD

1.50 CME/CEU

**W33FA You Make the Call: An Interactive Approach to EMG Waveform Recognition Skills-BASIC**

Identify the firing patterns of different types of EMG waveforms; identify the characteristics of a variety of normal and abnormal spontaneous waveforms; recognize normal and abnormal patterns of recruitment of MUAPs; and recognize and understand the significance of the changes in morphology of MUAPs in diseases. Includes audience participation and videos of EMG waveforms.

This is a large group workshop open to physicians only.

Devon I. Rubin, MD

1.50 CME

**W92RFA Advanced Nerve US (Resident/Fellow)**

This workshop is designed for residents and fellows with some experience conducting NM US. The focus will be on scanning techniques for assessing potential entrapment mononeuropathies, polyneuropathies, motor neuron disease, brachial plexopathies, and myopathies. Hands-on scanning will be emphasized.

Michael S. Cartwright, MD | Rebecca Dutton, MD

1.50 CME

**Coffee Break**

9:30am - 10:00am

Enjoy free coffee and use break time to network and socialize with your colleagues.

**Plenary 3: New Worlds, New Ways**

Recognize the current state of EDX quality and challenges to EDX quality including providers other than neurologists and PM&R physicians performing and interpreting studies, describe Medicare’s rules allowing PTs to perform EMGs, and state the reasons for declining numbers of trained physicians performing the studies and the high cost of fraud.

Describe how emerging disease-specific knowledge shapes interpretation electrophysiology at the borders of normal and abnormal; how a tailored EDX approach impacts patient care and counseling, and how to inspire learners to develop and apply the critical thinking that will serve them in new worlds and new ways as science continually evolves.

Timothy R. Dillingham, MD, MS | Peter A. Grant, MD | Sandra L. Hearn, MD | Bonnie J. Weigert, MD

2.00 CME/CEU

**Silent Auction Winner Pick-up**

Silent Auction winners, pick-up your items at the Registration Booth.

10:00am - 4:00pm

**Resident & Fellow Lunch**

11:30am - 1:00pm

**Abstract Poster Session III**

Authors of abstracts will be available to discuss their research. Stop by to review the information from this year’s abstracts and meet the authors.

1:00pm - 1:30pm

**Exhibit Hall**

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.

9:00am - 4:00pm
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<tr>
<td>1:30pm - 3:00pm</td>
<td><strong>EDX Evaluation of CIDP and MMN</strong></td>
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<td>Articulate the algorithmic approach for the diagnosis of CIDP and MMN which includes defining the clinical phenotype in the context of the clinical history, identifying the EDX findings of acquired demyelination, and using validated EDX criteria (or supportive criteria) to determine the diagnosis. This is an “Ask the Experts” 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 Collection. Said R. Beydoun, MD</td>
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<td>1:30pm - 3:00pm</td>
<td><strong>Autoimmune Neuropathies</strong></td>
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<td>With regard to autoimmune neuropathies, recognize when to suspect the disorder; produce an appropriate work-up; and appropriately manage a patient. This is an &quot;Ask the Experts&quot; session. There will be an interactive discussion around audience participation. There are no handouts nor a planned presentation and this session will not be included in the Annual Meeting Collection. Chafic Karam, MD</td>
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<tr>
<td>1:30pm - 3:00pm</td>
<td><strong>Planning NCSs</strong></td>
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<td>Apply a rationale strategy to select NCSs based on the patient's presenting symptoms. This is an “Ask the Experts” 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 Collection. Daniel B. Simmons, MD</td>
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<td><strong>Injection Techniques 2 - Lower</strong></td>
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<td>Participants will acquire the skills to (1) review the differential diagnosis of common lower extremity musculoskeletal disorders that mimic common NM disorders, (2) describe injection techniques for these lower extremity problems, including medications used, and (3) discuss comprehensive lower extremity musculoskeletal disorder management and the role of injections. This is an “Ask the Experts” 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 Collection. Anthony E. Chiodo, MD, MBA</td>
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<td>1:30pm - 3:00pm</td>
<td><strong>Lumbosacral Plexopathy</strong></td>
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<td>Discuss the differential diagnosis, evaluation and treatment of lumbosacral plexopathies with particular attention to diabetic and non-diabetic lumbosacral radiculoplexus (LRPN) neuropathies; explore the clinical, laboratory, electrophysiological and pathological features of the LRPN; discuss how LRPN is a form of non-systemic vasculitis and is one of the most common inflammatory neuropathies. This is an “Ask the Experts” 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 Collection. P James B. Dyck, MD</td>
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<td><strong>Antibody Testing and NMDs</strong></td>
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<td>Identify the clinical utility of various antibodies in diagnosing and monitoring related NM disorders; recognize possible limitations of various antibodies in the evaluation and management of NM disorders; explain how to order antibody testing judiciously in NM medicine. Yuebing Li, MD, PhD</td>
</tr>
</tbody>
</table>
**COVID-19 and NM Disorders**

Describe incident NM disease associated with COVID-19 including COVID-related myopathy, GBS and other neuropathies, including nerve and muscle pathology in patients with these disorders; outline current data regarding best management of pre-existing NM disorders, with a focus on immune-mediated disorders, data from disease specific registries and adaptations of clinical trials; describe acute inpatient NM rehabilitation consideration in patients with COVID-19; long-term NM sequelae of COVID-19 and their rehab considerations including establishment of novel systems of care; identify specific examples of tools for clinical care adaptation through telemedicine and innovations in NM education.

Anthony A. Amato, MD | Christopher Doughty, MD | Amanda C. Guidon, MD

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**Autoantibodies and the Evolving MG Treatment Landscape**

Identify antibodies supportive of the diagnosis of autoimmune MG; describe the clinical presentation of MG based on Ab status; discuss the utility of other confirmatory tests for MG; discuss established therapies for MG; review the definition of refractory MG; describe promising therapies for autoimmune MG; review cautionary drugs in MG; discuss the effectiveness of thymectomy, rituximab and methotrexate; describe the impact of immune checkpoints inhibitors on MG.

Mazen M. Dimachkie, MD | Mamatha Pasnoor, MD | Gil I. Wolfe, MD

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**Supporting Function: Orthotics & Technology to Maximize Mobility & Quality of Life in NM Disease**

Articulate the indication for use of orthoses to manage symptoms in patients with low back pain; provide two examples of orthoses to enhance function in ambulatory patients with neuromuscular disease; review novel, cutting-edge technology innovations that have potential to improve quality of life for NM patients, caregivers, and their communities; identify examples of how these technologies might be leveraged in clinical settings to achieve mobility and functional goals; recognize the value of participatory design methodologies in collaboration with the broader NM community.

Thiru M. Annaswamy, MD, MA | Ileana Howard, MD | Ann Paradiso | James K. Richardson, MD

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**Use of NM US Evaluation in Polyneuropathies**

Discuss the role of NM US in the evaluation of polyneuropathies in clinical practice.

Rocio C. Garcia Santibanez, MD | Monika Krzesniak-Swinarska, MD | David C. Preston, MD | Craig M. Zaidman, MD

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**Video NM Cases**

Articulate significant physical signs of different NM disorders; guide laboratory investigations based on accurate identification of leading findings; use EDX tests as an extension of the clinical examination; state how to longitudinally follow disease progress; and differentiate between functional and organic NM disorders.

Thy P. Nguyen, MD | Aziz Shaibani, MD
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Description</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30pm - 3:00pm</td>
<td>Workshop W33FC You Make the Call: An Interactive Approach to EMG Waveform Recognition Skills-ADVANCED</td>
<td>Identify the characteristics of a variety of uncommon abnormal spontaneous waveforms; recognize normal and abnormal patterns of recruitment of MUAPs; and recognize and understand the significance of subtle or complex changes in morphology of MUAPs in diseases. The workshop includes audience participation and video examples of EMG waveforms.</td>
<td>Devon I. Rubin, MD</td>
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<tr>
<td>1:30pm - 3:00pm</td>
<td>Workshop W62RFC NCSs Basic and Advanced (Tech/Resident/Fellow)</td>
<td>Perform basic NCSs in the upper extremity and lower extremity as well as RNS; describe common pitfalls of NCSs; and identify the most common mononeuropathies in the upper and lower extremities.</td>
<td>Gary W. Gallagher, MD</td>
</tr>
<tr>
<td>1:30pm - 3:00pm</td>
<td>Workshop W93RFC Basic MSK and Muscle US (Resident/Fellow)</td>
<td>Muscle US for the resident/fellow. This anatomy intense workshop will cover muscles needled during EMG to assist you with confirming your current knowledge base and assist with performance of US guided needle EMG.</td>
<td>Susan J. Kim, DO</td>
</tr>
<tr>
<td>3:00pm - 4:00pm</td>
<td>Social Event Abstract Poster Session IV</td>
<td>Authors of abstracts will be available to discuss their research. Stop by to review the information from this year’s abstracts and meet the authors.</td>
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<tr>
<td>3:00pm - 4:00pm</td>
<td>Social Event Coffee Break</td>
<td>Enjoy free coffee and use break time to network and socialize with your colleagues.</td>
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</tr>
<tr>
<td>4:00pm - 5:30pm</td>
<td>Session Diagnosis and Treatment: Breakthrough Genetic Testing</td>
<td>Integrate current testing platforms in your neuropathy practice; recognize technical strengths and limitations of next generation sequencing testing for various forms of neuropathy; articulate the new treatment and research approaches afforded by genetic testing; illustrate importance of correlating molecular findings with clinical and other laboratory data; convey the relevance of a genetic diagnosis for proper treatment; evaluate hereditary myopathies and neurogenic processes sharing the same defective gene; assess genetic technical analysis strategies and genetic counseling; produce comprehensive genetic testing reports by applying evidence-based gene variant classification guidelines; and articulate the latest advances in population genomic-driven drug discovery.</td>
<td>Nicolas N. Madigan, MBBCh, PhD</td>
</tr>
<tr>
<td>4:00pm - 5:30pm</td>
<td>Session Muscular Dystrophies: From Bedside Diagnosis to Gene Therapy</td>
<td>Recognize the distinct features of each muscular dystrophy subtype; select the appropriate genetic test for each muscular dystrophy subtype; interpret the variant of uncertain significant (VUS) and select the appropriate ancillary tests to further determine its pathogenicity; identify a subset of muscular dystrophy patients who may benefit from novel therapeutic agents. This is a Self-Assessment (SA) CME session. To receive the SA CME credit, a post-test must be completed with a 70% passing rate. Post-tests are free to members and $50 for nonmembers.</td>
<td>Teerin Liewluck, MD</td>
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<tr>
<td>Time</td>
<td>Session</td>
<td>Description</td>
<td>CME/CEU</td>
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<tr>
<td>4:00pm - 5:30pm</td>
<td><strong>When Something Doesn't Look Right: A Case-Based Approach to Technical Anomalies on NCSs</strong></td>
<td>Identify nerve conduction abnormalities due to anomalous innervations, artifacts, and technical factors. This is a technologist focused session and anyone who has interest in this topic is welcome to attend. This is a Self-Assessment (SA) CNCT Checkpoint session. To receive the SA CNCT Checkpoint credit, a post-test must be completed with a 70% passing rate. Post-tests are free to members and $50 for nonmembers.</td>
<td>1.50</td>
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<tr>
<td>4:00pm - 5:30pm</td>
<td><strong>Mission to Mars: NM Medical Issues in Space Travel</strong></td>
<td>Identify common NM medical issues related to extended space travel and living on a different planet; describe general medical issues for anyone considering commercial space travel; describe how research in space benefits us here on Earth. Dr. Erik Antonsen, Assistant Director of Human System Risk Management at the NASA Johnson Space Center, will join this discussion on medical preparation for Mission to Mars.</td>
<td>1.50</td>
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<tr>
<td>4:00pm - 5:30pm</td>
<td><strong>Dysautonomia International – Postural Orthostatic Tachycardia Syndrome (POTS)</strong></td>
<td>Identify how to make an accurate diagnosis of POTS, an autonomic nervous system disorder commonly associated with small fiber neuropathies; recognize the common co-morbidities to be on the lookout for, how to implement standard non-pharmacological and pharmacological POTS treatment, when to refer to a tertiary center, and describe current research on the role of autoimmunity in POTS.</td>
<td>No CME/CEU</td>
</tr>
<tr>
<td>5:30pm - 6:30pm</td>
<td><strong>Happy Hour</strong></td>
<td>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!</td>
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<tr>
<td>Time</td>
<td>Session</td>
<td>Description</td>
<td>Authors</td>
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<td>8:00am - 9:30am</td>
<td><strong>MSK Mimics of Radiculopathy</strong></td>
<td>Name three MSK mimics of cervical radiculopathy; describe how MSK pathology and cervical radiculopathy can exacerbate each other; describe the effects of poor posture can worsen MSK conditions. This is a Self-Assessment (SA) CME session. To receive the SA CME credit, a post-test must be completed with a 70% passing rate. Post-tests are free to members and $50 for nonmembers.</td>
<td>Anthony E. Chiodo, MD, MBA</td>
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<tr>
<td>8:00am - 9:30am</td>
<td><strong>Peripheral Nerve Conditions in the Running Athlete</strong></td>
<td>Recognize common neurogenic causes of lower extremity pain in the running athlete; discuss the pathophysiology and clinical presentation of various running-related conditions including common and superficial fibular nerve entrapment, lateral plantar neuropathy, and chronic exertional compartment syndrome; describe NCS and US techniques that may be used to facilitate accurate diagnosis of nerve injuries in the running athlete.</td>
<td>Stephanie Baca, DPT</td>
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<tr>
<td>8:00am - 9:30am</td>
<td><strong>Current Topics in IOM</strong></td>
<td>Summarize the incidence, clinical picture, and prognosis of postoperative C5 palsy; recognize the IOM modalities used to detect C5 root injury, including the use of transcortical motor evoked potentials (TcMEPs); discuss the clinical indications for monitoring spinal D waves; describe intraoperative alert criteria for D wave monitoring, and the significance of these intraoperative changes as they relate to prognosis.</td>
<td>Matt Hoffman, DO, PhD</td>
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<tr>
<td>8:00am - 9:30am</td>
<td><strong>Needle EMG Review and Approach to Study</strong></td>
<td>Plan the needle EMG study, apply needle EMG for the diagnosis of NM disorders; localize the lesion and determine the cue and timing of the disorder using needle EMG; explain important safety considerations affecting the needle EMG study. This is a Self-Assessment (SA) CME session. To receive the SA CME credit, a post-test must be completed with a 70% passing rate. Post-tests are free to members and $50 for nonmembers.</td>
<td>Joseph M. Choi, MD</td>
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<td>8:00am - 9:30am</td>
<td><strong>W02AS Autonomic Testing Using Live Demonstration</strong></td>
<td>Perform the two quantitative tests for autonomic function, quantitative sudomotor axon reflex testing and heart rate variability studies; and apply this technique to standard EDX practice where appropriate.</td>
<td>Amanda C. Peltier, MD</td>
</tr>
<tr>
<td>8:00am - 9:30am</td>
<td><strong>W07AS SFEMG and Measuring Jitter Using Concentric Needle</strong></td>
<td>Demonstrate how jitter can be measured using CNE, and identify machine settings and limitations. Must be familiar with the basic concepts of SFEMG techniques.</td>
<td>Janice M. Massey, MD</td>
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<tr>
<td>8:00am - 9:30am</td>
<td><strong>W18AS Basic NM US</strong></td>
<td>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.</td>
<td>Vanessa Baute Penry, MD</td>
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</table>
W35AS 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.

1.50 CME

Tracy A. Park, MD

W44AS Anatomy & Kinesiology of the Shoulder/Upper Limb

Identify the normal anatomy and the normal and abnormal kinesiology resulting from paralysis of key upper limb muscles; perform the neurological examination on each other to localize root from peripheral nerve lesions; differentiate winging from serratus anterior versus trapezius muscle weakness; and localize lesions to specific peripheral nerve sites based on the motor and key components of the sensory and reflex examination and integrate with EDX and US findings. Participants are requested to wear short sleeve shirts to facilitate examining each other.

1.50 CME

John W. Norbury, MD, NMUS CAQ

W45AS Cervical Radiculopathy/Brachial Plexopathy

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

W55AS 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

W73AS Sonographic Needle Guidance for Carpal Tunnel Injections

Explain sono-anatomy of the carpal tunnel and adjacent structures; discuss approaches for sonographic 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

W81AS Basic US of Lower Limb Nerves

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; 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 at ankle.

1.50 CME/CEU

Lester S. Duplechan, MD
W84AS Advanced US of Brachial Plexus

Explain recommended transducer frequencies and image optimization methods for imaging of brachial plexus; explain sono-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 sonographic 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.

Monika Krzesnia-Swinarska, MD

W90AS NCS Workshop - See One, Do One, Teach One (Tech)

Limited to technologists, and beginning residents/fellows only. This is an interactive workshop in which participants will identify areas of interest in NCSs.

Candy Dolan, CNCT, R.NCS.T, R.EEG.T | Kristin L. Dombroski, CNCT, RNCT | Jerry Morris, CNCT, MS, R.NCS.T. FASET

Coffee Break

Enjoy free coffee and use break time to network and socialize with your colleagues.

Neurodiagnostic Jeopardy: Let Us Get on Your Nerves!

Identify the upper and lower limb anatomy beginning at the nerve root level and continuing down to the muscle with discussion of commonly seen abnormalities and their presentation on NCS and EMG.

Session is open to technologists only.

Candy Dolan, CNCT, R.NCS.T, R.EEG.T. | Jerry Morris, CNCT, MS, R.NCS.T. FASET | Teresa Spiegelberg, CNCT, R.NCS.T, R.EEG.T, BS

Plenary 4: New Worlds, New Ways

Discuss the current state of women in medicine and identify strategies to advance gender equity.

Holli A. Horak, MD | Pushpa Narayanaswami, MBBS, DM | Kathryn Rexrode, MD | Bonnie J. Weigert, MD

Visit the ABEM website!
www.abemexam.org
### Abbreviations

<table>
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<tr>
<th>Abbreviation</th>
<th>Full Form</th>
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<tr>
<td>AANEM</td>
<td>American Association of Neuromuscular &amp; Electrodagnostic Medicine</td>
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<td>ABEM</td>
<td>American Board of Electrodagnostic Medicine</td>
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<tr>
<td>ABPMR</td>
<td>American Board of Physical Medicine &amp; Rehabilitation</td>
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<td>ABPN</td>
<td>American Board of Psychiatry and Neurology</td>
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<tr>
<td>AM</td>
<td>Annual Meeting</td>
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<tr>
<td>AMA PRA Category 1 Credits™</td>
<td>American Medical Association Physician's Recognition Award Category 1 Credits</td>
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<td>APP</td>
<td>Advanced Practice Provider</td>
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<tr>
<td>ATE</td>
<td>Ask the Experts</td>
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<td>CEO</td>
<td>Chief Executive Officer</td>
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<tr>
<td>CEU</td>
<td>Continued Educational Units</td>
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<tr>
<td>CIDP</td>
<td>Chronic Inflammatory Demyelinating Polyradiculoneuropathy</td>
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<td>CMAP</td>
<td>Compound Muscle Action Potential</td>
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<td>CME</td>
<td>Continued Medical Education</td>
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<td>CNCT</td>
<td>Certified Nerve Conduction Technologist</td>
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<td>CNE</td>
<td>Concentric Needle Electrodes</td>
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<td>CRPS</td>
<td>Complex Regional Pain Syndrome</td>
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<td>CTS</td>
<td>Carpal Tunnel Syndrome</td>
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<td>EDX</td>
<td>Electrodiagnostic</td>
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<td>EMG</td>
<td>Electromyography</td>
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<td>FBI</td>
<td>Federal Bureau of Investigation</td>
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<td>GBS</td>
<td>Gullian-Barré Syndrome</td>
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<td>ICU</td>
<td>Intensive Care Unit</td>
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<td>IOM</td>
<td>Intraoperative Monitoring</td>
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<tr>
<td>LAC</td>
<td>Lateral Antebrachial Cutaneous Nerve</td>
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<td>LFCN</td>
<td>Lateral Femoral Cutaneous Nerve</td>
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<tr>
<td>LRPN</td>
<td>Lumbosacral Radiculoplexus Neuropathy</td>
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<td>MAC</td>
<td>Medial Antebrachial Cutaneous Nerve</td>
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<td>MG</td>
<td>Myasthenia Gravis</td>
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<td>MGFA</td>
<td>Myasthenia Gravis Foundation of America</td>
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<td>MMN</td>
<td>Multifocal Motor Neuropathy</td>
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<td>MSK</td>
<td>Musculoskeletal</td>
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<td>MUAP</td>
<td>Motor Unit Action Potential</td>
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<td>MUP</td>
<td>Motor Unit Potential</td>
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<td>NASA</td>
<td>National Aeronautics and Space Administration</td>
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<td>NCS/NCSs</td>
<td>Nerve Conduction Study/Studies</td>
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<td>NM</td>
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<td>NMD/NMDs</td>
<td>Neuromuscular Disorder(s)</td>
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<td>NMJ</td>
<td>Neuromuscular Junction</td>
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<td>NM-SK</td>
<td>Neuromuscular-musculoskeletal</td>
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<td>OIG</td>
<td>Officer of Inspector General</td>
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<td>PIN</td>
<td>Posterior Interosseous Nerve</td>
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<td>PMR</td>
<td>Physical Medicine and Rehabilitation</td>
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<td>POTS</td>
<td>Postural Orthostatic Tachycardia Syndrome</td>
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<td>PPE</td>
<td>Personal Protective Equipment</td>
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<tr>
<td>PT/PTs</td>
<td>Physical Therapy (Therapists)</td>
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<td>RNS</td>
<td>Repetitive Nerve Stimulation</td>
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<td>SA</td>
<td>Self-Assessment</td>
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<td>SFEMG</td>
<td>Single-Fiber Electromyography</td>
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<td>SMA</td>
<td>Spinal Muscular Atrophy</td>
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<td>TcMEPs</td>
<td>Transcranial Motor Evoked Potentia</td>
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<td>TPP</td>
<td>Training Program Partnership</td>
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<td>US</td>
<td>Ultrasound</td>
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<tr>
<td>VUS</td>
<td>Variants of Uncertain Significance</td>
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</table>

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www.aanem.org/Careers
Meeting Objectives
The following objective for the 2021 meeting was developed:
The 2021 annual meeting will focus on improving patient care, medical knowledge, interpersonal communication, professionalism, and systems-based practices in the following areas: updates in NM and MSK disorders; genetics and emerging gene therapies; new technologies and treatments; autoimmune disorders; neuropathies; antibody testing; integrative medicine; and US, EDX, and 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 EMG to precisely assess the severity of nerve injuries; recognize the association of immunization with new onset of NM diseases and how COVID-19 impacts patient care; and recognize how emerging technologies in US can improve the lives of patients. (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 a multidisciplinary session; 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 (ACCME) to provide continuing medical education for physicians.

AMA Credit Designation Statement
The AANEM designates this live activity for a maximum of 22 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Self-Assessment Credit
Eight courses at the annual meeting will be designated to offer Part II MOC Self-Assessment credit for physicians. A total of 27 Self-Assessment credits will be available for those attending the live in-person meeting. AANEM will report completion of this self-assessment activity to ABPN and ABPMR.

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 of 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.

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 2021 Annual Meeting is provided in the Disclosure Index at the registration desk or online at www.aanem.org/disclosures.

Industry Forums
Industry Forums 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 to allow the participant to be fully aware of any bias in the presentations. Seating at sessions is limited, and food is provided by the AANEM to Industry Forum attendees on a first come, first-served basis.
REUNITE IN AURORA, COLORADO