

# AANEM

## SPRING VIRTUAL CONFERENCE PROGRAM

March 22 - 24, 2022



American Association of Neuromuscular & Electrodiagnostic Medicine

09:15 AM -  
10:45 AM

## Neuromuscular Ultrasound

Session

Review and discuss the current role of nerve US in the diagnosis and management of CIDP; demonstrate the application of nerve US in the evaluation of pre- and post-surgical traumatic nerve injuries; review the use of shear wave elastography in NMD, along with recommendations for future research.

### *Introduction*

Lisa D. Hobson-Webb, MD

### *An Update on NM US in CIDP*

Neil G. Simon, MBBS, PhD

### *NM US in the Management of Peripheral Nerve Trauma*

Sarada Sakamuri, MD

### *Shear Wave Elastography in NMD*

Lisa D. Hobson-Webb, MD

1.50  
CME/CEU

09:15 AM -  
10:45 AM

## Evaluation of Common Problems in Persons Referred for EDX

Session

This is an encore presentation from the 2021 Annual Meeting with live Q & A.

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, cervical and lumbosacral radiculopathy.

### *Evaluation of Persons With Suspected Cervical or Lumbosacral Radiculopathy*

Timothy R. Dillingham, MD, MS

### *Peripheral Neuropathy*

Peter D. Donofrio, MD

### *Diagnosis of CTS and Ulnar Neuropathy*

Lawrence R. Robinson, MD

1.50  
CME/CEU

12:15 PM -  
01:45 PM

## How to Use EMG in Non-EMG Practices

Session

Review and discuss how and why it is beneficial to utilize EMG in a practice that treats spine, pain, and sports medicine patients; identify ways to help market and use EMG skills in this type of practice setting; outline how EMG can be utilized in the variety of practice settings, academic vs. private practice; and demonstrate EMG studies in a spine, pain, and sport medicine practice.

### *EMG in a Pain and Spine Clinic*

Suzanne M. Manzi, MD

### *EMG in a Sports Medicine Practice*

Dale Colorado, DO, MPH

1.50  
CME/CEU

12:15 PM -  
01:45 PM

## COVID-19 and NM Disorders

Session

This is an encore presentation from the 2021 Annual Meeting with live Q & A.

Describe incident NMD 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 NMDs, 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; and identify specific examples of tools for clinical care adaptation through telemedicine and innovations in NM education.

### *Considerations for Management of Pre-Existing NMDs and Clinical Trials*

Amanda C. Guidon, MD

### *COVID-19, Teleneurology, and NM Education*

Christopher Doughty, MD

### *Myopathies and Neuropathies Associated With COVID-19*

Anthony A. Amato, MD

1.50  
CME/CEU

02:00 PM -  
03:30 PM

## Leadership Skills: Clinical Practice

Session

It's time to remove the mystery for physicians regarding the employment negotiation process! Describe the terminology and process associated with negotiating employment contracts; ensure expectations are reflected within the final contract, get what you deserve...in writing!

Gain confidence in analyzing financial statements, review the revenue cycle, and identify and use key performance indicators as a management tool.

Conflict with patients, peers, administrators, and leaders can sabotage an otherwise thriving and purposeful career. Examine how to predict rising conflict, recognize triggers, and employ preventative communication techniques and management strategies to ease and defuse it.

*Contract Negotiations: Advice To Physicians*  
Jasmine Malhotra, MBA, JD

*An Overview of Financial Reporting for Clinicians*  
Wendy Gutterson, MS

*Conflict Management for Clinical Leaders*  
Michele L. Arnold, MD, MBA

1.50  
CME/CEU

02:00 PM -  
03:30 PM

## Nerve Injury Management - Part 1

Session

Outline the clinical challenge of peripheral nerve injury from the reconstructive surgery perspective; delineate how surgical nerve repair has evolved over the last two decades including the increasing role for nerve transfers; demonstrate how free functioning muscle transfers can be utilized to address impairments after brachial plexus injury; define how variation in the basic mechanical properties of different skeletal muscles can be used to guide tendon transfer surgeries.

*Introduction*  
Colin K. Franz, MD, PhD

*Nerve Repair and Nerve Transfers*  
Rajiv Midha, MD

*Free Functioning Muscle Transfers in Brachial Plexus Reconstruction*  
Alexander Shin, MD

*Skeletal Muscle Design in Consideration for Tendon Transfers*  
Richard Lieber, PhD

1.50  
CME/CEU

03:45 PM -  
04:45 PM

## The Importance of Quality EDX

Session

This is an encore presentation from the 2021 Annual Meeting with live Q & A.

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.

1.00  
CME/CEU

*The Importance of Quality EDX*  
Peter A. Grant, MD

03:45 PM -  
05:15 PM

## Nerve Injury Management - Part 2

Session

Outline the clinical challenge of peripheral nerve injury from the perspective of the NM medicine specialist; define an approach for using EDX assessments of peripheral nerve injuries to inform clinical management including reconstructive options; define an approach for using advanced imaging assessments of peripheral nerve injuries to inform clinical management including reconstructive options; establish how peripheral nerve rehabilitation can be tailored to fit the patient, nerve injury type, and compliment the restoration strategy.

*Introduction*  
Colin K. Franz, MD, PhD

*EDX Considerations Specific to Nerve and Muscle Transfers*  
Fang Sun, MD

*Advanced Medical Imaging Approaches for PNI*  
Swati Deshmukh, MD

*Rehabilitation Considerations Specific to Nerve and Muscle Injury*  
Michael Berger, MD

1.50  
CME/CEU

09:15 AM -  
10:45 AM

## NCS Perils and Pitfalls

Session

Assess key factors in instrumentation and reference values to apply to NCS; interpret NCS to estimate axon loss and prognosis of peripheral nerve lesions; deduce nerve injury location based upon NCS; characterize and classify polyneuropathies based upon NCS findings.

*Instrumentation and Reference Values - What You Need to Know*

Lawrence R. Robinson, MD

*Quantifying Axon Loss and Estimating Prognosis*

Lawrence R. Robinson, MD

*Using NCS to Localize Lesions in Peripheral Nerves and Brachial Plexopathies*

Meiqi Guo, MD

*Using NCS to Characterize Peripheral Polyneuropathies*

Pushpa Narayanaswami, MBBS, DM

1.50  
CME/CEU

09:15 AM -  
10:45 AM

## US Literature Review in Focal Peripheral Entrapment Neuropathies and Multifocal Motor Neuropathy

Session

Review the current literature on how US is being utilized in the diagnosis and confirmation of focal peripheral entrapment neuropathies such as CTS, ulnar neuropathy at the elbow, ulnar neuropathy at the wrist, fibular nerve entrapment at around fibula head and tibial nerve entrapment at the tarsal tunnel; determine if the 2012 AANEM Practice Guideline for using US for the diagnosis of CTS is still valid; define how to incorporate US findings in recurrence of focal entrapments (such as CTS and ulnar neuropathy at the elbow) after prior surgical interventions; describe the current evidence for using NM US in multifocal motor neuropathy and how it can help distinguish it from ALS; demonstrate how US can be used to diagnosis, monitor and prognosticate in cases of phrenic mononeuropathies.

*US Literature Review in Focal Peripheral Entrapment Neuropathies*

Susan J. Kim, DO

*NM US for Multifocal Neuropathy, ALS, and Phrenic Mononeuropathies*

Colin K. Franz, MD, PhD

1.50  
CME/CEU

11:00 AM -  
12:00 PM

## Industry Forum by Alexion

Industry  
Forum

Soliris® Help Control Anti-Acetylcholine Receptor Antibody-Positive Generalized Myasthenia Gravis Symptoms in Adult Patients

The session will educate HCPs on eculizumab for the treatment of adult patients with generalized myasthenia gravis who are anti-acetylcholine receptor antibody positive that is inadequately controlled by appropriate immunosuppressive therapies. The session will cover MOA as well as the REGAIN and open-label results, including safety and efficacy.

Presenter:

Said Beydoun, MD

Keck Medical Center USC

No CME/CEU

Said R. Beydoun, MD

12:15 PM -  
01:45 PM

## Clinical Manifestation and Diagnosis of MG

Session

This is an encore presentation from the 2021 Annual Meeting with live Q & A.

Identify the clinical manifestations of various subtypes of MG; select appropriate diagnostic approaches for confirming the diagnosis of MG; and discuss the differential diagnoses of MG.

*Introduction*

Yuebing Li, MD, PhD

*Clinical Manifestations of MG*

Mamatha Pasnoor, MD

*Diagnostic Testing for the Patient With Suspected MG*

Michael K. Hehir, MD

*Discussions of MG Cases*

Yuebing Li, MD, PhD

1.50  
CME/CEU



12:15 PM -  
01:45 PM

## Integrating NM and MSK US

Session

Discuss advancements in US technology for assessing MSK and NMDs. Use US to distinguish NMDs from MSK "mimics" as well as identify clinical presentations of NM and MSK co-morbidity.

Jeffrey A. Strakowski, MD

Christopher J. Visco, MD

1.50  
CME/CEU

02:00 PM -  
03:30 PM

## Achieving Professional Growth and Finding Fulfillment in Your Work - Interactive Leadership Skills

Session

Identify drivers of physician burnout and strategies that can be used to enhance career satisfaction; list strategies that can be used to successfully advance in your academic career; and develop approaches to becoming involved in national organizations and describe the value in doing so.

### *Introduction*

A. Gordon Smith, MD

### *Take Action Against Burnout Using a Systems-Based Approach*

Neil A. Busis, MD

### *Growth Through Involvement in National Organizations*

A. Gordon Smith, MD

### *How to Advance in the Academic Setting*

Pushpa Narayanaswami, MBBS, DM

1.50  
CME/CEU

02:00 PM -  
03:30 PM

## Approach to Myopathies

Session

Demonstrate the clinical approach and diagnostic work up of patients presenting with a myopathy; summarize the treatment landscape, with focus on idiopathic inflammatory myopathies; define the role of EDX testing in the approach to myopathies; characterize the EDX approach to such patients from developing a study protocol to interpretation of the findings; review the muscle biopsy characteristics, with focus on inflammatory myopathies; and determine how to correlate clinical, EDX and muscle histopathological findings.

### *Introduction*

Elie Naddaf, MD

### *Evaluation and Diagnosis of Myopathies*

Julie Paik, MD

### *Electrodiagnosis Approach to Myopathies*

Ghazala R. Hayat, MD

### *Muscle Biopsy, EMG, and Clinical Correlation*

Elie Naddaf, MD

1.50  
CME/CEU

03:45 PM -  
05:30 PM

## Pediatric Pitfalls

Session

Recognize contributing factors to MSK conditions in NMD; review common MSK conditions in NMD and prevention strategies; review typical orthotic use in children/adults with NMD and therapy interventions; review processes for obtaining services in the school setting for children with NMD including accommodations; discuss school integration by providing social and academic support for children with NMD who may experience fatigue, require nursing services or who have specialized equipment needs; review mechanisms for improving communication amongst the patient and family, the medical team and school personnel; understand the transition planning for children in high school; discuss the general process of transition; discuss medical factors related to NMD that affect the transition process; describe transition strategies for the clinical that can prepare a patient and family for transfer of care to an adult care environment; describe potential pitfalls and challenges in care for the patient recently transferred from a pediatric to adult care environment.

### *MSK Issues in NM Disease*

Gabrielle Nguyen, MD

### *School Integration*

Diane Murrell, LCSW

### *School Integration*

Aloysia L. Schwabe, MD

### *Transition to Adult Care - Pitfalls*

Nicolaas C. Anderson, DO

### *Transition - NMD*

Timothy E. Lotze, MD

1.75  
CME/CEU



STRENGTHENING the global effort  
to CURE neuromuscular disease

**DONATE TODAY**

09:15 AM -  
10:45 AM

## Using EDX Studies to Inform Orthotic Interventions

Session

Implement a case based approach to inform decisions about orthotic interventions in patients with NM weakness; describe basic gait analysis with an emphasis on what is happening at major joints and muscles needed for stabilization; review how and why to prescribe an ankle foot orthosis, knee ankle foot orthosis, or power mobility device based on the physical examination and EDX findings in each case presented.

### *Introduction*

Michael C. Munin, MD

### *Gait Mechanics and Analysis*

Joelle Gabet, MD

### *Ankle Foot Orthosis in Patients with Fibular or Sciatic Nerve Injuries*

Atul T. Patel, MD

### *Knee Ankle Foot Orthosis Indications*

Michael C. Munin, MD

### *Wheelchair Mobility Options in Motor Neuron Disease*

Joelle Gabet, MD

1.50  
CME/CEU

09:15 AM -  
10:45 AM

## Compressive Neuropathies

Session

Explain the EDX approach (including NCS and needle EMG) to patients with suspected CTS, ulnar neuropathies, and fibular mononeuropathies; to recognize the utility of routine and advanced techniques, including short segment stimulation and comparison NCSs, in the evaluation of common mononeuropathies; identify technical problems and challenges in interpreting EDX studies when evaluating common mononeuropathies; and discuss the role and general findings of NM US in the evaluation of common mononeuropathies.

### *Carpal Tunnel Syndrome*

Michael T. Andary, MD

### *Ulnar Neuropathy*

Rupel S. Laughlin, MD

### *Fibular Mononeuropathy*

Devon I. Rubin, MD

1.50  
CME/CEU

12:15 PM -  
01:45 PM

## US Guided Procedures for Nerves and Complex EMG

Session

This is an encore presentation from the 2021 Spring Virtual Conference with live Q & A.

Describe the role of US to enhance the safety and accuracy of various diagnostic and interventional procedures performed in the EMG lab and outpatient practice settings; identify techniques to facilitate accurate needle placement for EMG of high-risk structures; define various perineural and intramuscular procedures for the treatment of peripheral nerve pain, including CTS, ulnar neuropathy, meralgia paresthetica, and thoracic outlet syndrome.

### *Introduction*

Sarada Sakamuri, MD

### *US Appearance of Tissues and Objects*

Einar Ottestad, MD

### *US for Diaphragm and Chest Wall EMG*

Sarada Sakamuri, MD

### *NM US for Perineural Injections and Hydrodissection*

Jeremy Stanek, MD

### *NM US to Guided Procedures in Thoracic Outlet Syndrome*

Einar Ottestad, MD

1.50  
CME/CEU

12:15 PM -  
01:45 PM

## EDX Evaluation of the Brachial Plexus

Session

Delineate a tailored EDX approach to localizing and characterizing a possible brachial plexopathy; apply an EDX approach to several case examples; and identify elements of an EDX study that distinguish brachial plexopathy from mimics.

### *Clinical & EDX Approach to Evaluating the Brachial Plexus*

Shawn Jorgensen, MD

### *Electrodiagnosis of Brachial Plexopathy*

Sandra L. Hearn, MD

1.50  
CME/CEU

## 02:00 PM - 03:30 PM Leadership Skills

Session

Explore ways to help medical students gain exposure to patients with NMD and learn the appropriate diagnostic approach; compare, contrast, and reflect upon the virtual vs. in-person residency recruitment and interview experiences; describe and explore ways to convey a program's culture, environment and unique traits in the virtual era; envision and develop a value-centered recruitment process, including strategies for mitigating bias and enhancing objectivity in selection.

### *Introduction*

Bonnie J. Weigert, MD

### *Getting Them Hooked Early: Practical Strategies to Foster Interest in NM Medicine Among Medical Students*

John W. Norbury, MD

### *Resident/Fellow Recruitment in the Virtual Era*

Sandra L. Hearn, MD

1.50  
CME/CEU

## 02:00 PM - 03:30 PM COVID Associated NM Disease

Session

Discuss the NM conditions associated with acute COVID-19 infections; describe the syndrome of "post-COVID conditions" (Long COVID Syndrome) list the available COVID-19 vaccines, identify their mechanisms of action; and describe the effectiveness and adverse effects of these vaccines.

### *Introduction*

Pushpa Narayanaswami, MBBS, DM

### *NM Conditions Associated With Acute COVID-19 Infection*

Gregory Gruener, MD

### *Long COVID: An Update*

Sasha Zivkovic, MD, PhD

### *What's new? COVID-19 vaccines: Safety and Efficacy*

Pushpa Narayanaswami, MBBS, DM

1.50  
CME/CEU



## UltraEMG

May 21, 2022 - May 24, 2022

Enhance your knowledge of ultrasound and EMG at this exceptional event. Learn from some of the leading experts in the field including\*

Jeffrey A. Strakowski, MD

William Pease, MD

Albert Clairmont, MD

Katharine Alter, MD

Erik Stålberg, MD

Francis Walker, MD.

\*SUBJECT TO CHANGE



AANEM deeply appreciates the support, contributions, and partnerships from the following companies. Their assistance helps AANEM provide an exceptional Spring Virtual Conference. We value your partnership!

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## Bronze



Inspired by **patients.**  
Driven by **science.**

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A community dedicated to improving the lives of patients with neuromuscular diseases.



“ I would encourage everybody to consider joining the AANEM and to stay involved because the AANEM offers the most information, value, and education for the people in the field of EDX and NM medicine. ”

~ Holli Horak, MD

## Join AANEM Today!

**The premier association in neuromuscular & electrodiagnostic medicine.**

- More than 6,500 members strong
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Visit [aanem.org/Value-of-Membership](http://aanem.org/Value-of-Membership)

**AANEM President Holli Horak, MD**  
Member since 1998

### Meeting Objectives

The 2022 Spring Virtual Conference will focus on improving patient care, medical knowledge, interpersonal communication, professionalism, leadership skills, and systems-based practices to diagnose and treat patients with NM and MSK disorders including the latest information on diagnosis, therapies, and interventional procedures.

*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 workups; assess rehabilitation potential for patients with NM and MSK disease; treat patients with neuropathic pain, nerve injuries and related issues in NM disease; and address rehabilitation needs of patients. (Patient care)
- Develop technical skills necessary to perform neurologic, EDX, and ultrasound; identify and describe important EDX concepts; utilize the latest clinical guidelines, techniques and strategies, and US findings; develop awareness treatment, 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; enhance awareness of patient confidentiality issues as they relate to patient care; demonstrate professionalism in clinical, research, and academic practice; and improve leadership skills related to conflict management, diversity, financial knowledge, and professional growth. (Interpersonal communication skills, Professionalism)
- Develop strategies for utilizing US and EMG in other practices, awareness of cost of emerging treatments and therapies; and 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 16.75 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity

### Self-Assessment Credit

There are currently no courses at the 2022 Spring Virtual Conference designated to offer Part II MOC Self-Assessment credit for physicians. If offered in the future, AANEM will report completion of selfassessment activities 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 Spring Virtual Conference Refund Policy

The association dedicates a significant amount of time and expense to deliver great educational opportunities each year. While we hope everyone who registers for the Spring Virtual Conference 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.

AANEM will give a full refund for the AANEM Spring Virtual Conference for any reason. A full refund will be issued to any registrant upon request, without any fees or penalties, no matter when they registered for the virtual meeting. When possible, cancellations with advance notice are appreciated. All refund/cancellation requests must be received on or before March 21, 2022.

All refund/cancellation requests for the virtual meeting must be submitted by emailing [aanem@aanem.org](mailto:aanem@aanem.org). Cancellations will not be accepted over the telephone or by mail.

### 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 Spring Virtual Conference program are determined solely by the AANEM Spring Virtual Conference 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 names, 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 2022 Spring Virtual Conference is provided in the Disclosure Index*

### Industry Forums

Industry Forums are commercially supported educational activities held in conjunction with the AANEM Spring Virtual Conference. These satellite symposia sessions are not part of the AANEM's official spring virtual conference 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. Industry forum attendees will be eligible for a drawing provided by AANEM. You must be present to win.





American Association of Neuromuscular & Electrodiagnostic Medicine  
*Improving the Lives of Patients with Neuromuscular Diseases*

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