

EMG Symposium 2026

Important Event Information:

- Friday, March 27, 8:00 am - 5:25 pm Mountain Daylight Time (+2 EDT, -1 PDT)
- Saturday, March 28, 8:00 am - 4:00 pm Mountain Daylight Time (+2 EDT, -1 PDT)
- Event Format: Blended (virtual and onsite tickets available)
- Onsite Location: Rocky Mountain University, Building 3, in Provo, Utah
 - 122 E 1700 S, Provo, UT 84606
- This event is offered LIVE. Recordings will not be available for CEUs after the event
- ACEWM Members: To request your \$25 discount, please submit the form above
- RMU Alumni: To request 15% off the Non-Member price, please submit the form above
 - Note: RMU Alumni who are also ACEWM Members should use the RMU Alumni discount
- Tech Support Contact: con.ed@rm.edu

Description

The Annual Electroneuromyographic Symposium is designed specifically for healthcare providers that specialize in electroneuromyography (EMG). Invited speakers (researchers, educators, and clinicians) are given a forum to present original research, topic reviews, and case reports. Either the full article or abstract is published in *The Proceedings (Pending)*.

Credits

This course is pending approval for 14.5 contact hours (1.45 CEUs).

14.5 contact hours will be awarded for full attendance to both days. Of these hours, 10.25 hours are related to differential diagnosis.

Symposium Schedule

Friday, March 27 (all times listed in Mountain Daylight Time)

TIME (MDT)			PRESENTER	TOPIC
AM	<i>*Onsite Continental Breakfast at Building 3, Room 206</i>			
	8:00	8:05	President Cameron K. Martin, PhD	Welcome
	8:05	8:45	Alain Claudel, PT, DPT, ECS	<i>Short Circuits and Long Nerves: When Nerves and Tumors Cross Wires</i>
	8:50	9:30	Scott Schaffer, PT, PhD, FAPTA, ECS	<i>Atypical Presentation of Degenerative Cervical Myelopathy: A Review and Two Case Reports</i>
	9:30	9:40		Vendor & Refreshment Break
	9:40	10:20	Robert Sellin, PT DSc, ECS	<i>Severe Brachial Plexopathy following Shoulder Hemiarthroplasty: A Study that Includes the Effect of Contextual Factors on Outcomes</i>
	10:25	11:05	Art Nitz, PT, PhD, ECS	<i>Double-Crush Syndrome: Myth or Reality? Anatomical Evidence and Review of the Literature</i>
	11:10	11:50	David Greathouse, PT, PhD, FAPTA, ECS	<i>Generalized Peripheral Polyneuropathy Secondary to Vitamin B12 Deficiency: A Case Report</i>
PM	11:50	12:50		Vendor Break & Lunch (on your own)
	12:50	1:30	Nathan Savage, PT, DPT, PhD, ECS	<i>Relationship Between Electrodiagnostic and Sonographic Categorizations of Ulnar Neuropathy at the Elbow</i>
	1:35	2:15	Elizabeth Painter, PT, DPT, DSc, ECS	<i>Segmental Zoster Paresis in the Upper Extremity</i>
	2:20	3:00	Rick McKibben, PT, DSc, ECS	<i>Atypical Median Neuropathy: It's not Always Carpal Tunnel Syndrome</i>
	3:00	3:15		Vendor & Refreshment Break
	3:15	3:55	Kevan Whipple, PT DPT, ECS	<i>ALS (Motor Neuron Disorders), Often the Great Mononeuropathy Imitator</i>
	4:00	4:40	Leon Romero, PT, DSc, ECS, OCS	<i>Writing EMG Reports: Out of the Box Strategies for Success</i>
	4:45	5:25	Ting Oh, PT, ECS	<i>Severe Brachial Plexopathy Post Fall and Fracture Dislocation of the Shoulder</i>

Saturday, March 28 (all times listed in Mountain Daylight Time)

TIME (MDT)			PRESENTER	TOPIC
<i>*Onsite Continental Breakfast at Building 3, Room 206</i>				
AM	8:00	11:00	David Fuller, MD – Keynote Speaker	1) Nerve Transfers – Past, Present & Future 2) Updates on PEG: Can we block Wallerian Degeneration 3) I just had hand surgery on my Arm and my nerves aren't working, what do I do now ?
	11:00	11:15		Vendor & Refreshment Break
	11:15	11:55	Nancy Mansell, PT, DPT, ECS	<i>Charcot-Marie Tooth: Can It Be Treated? Case study and Evidence Based Summary of Current Treatment</i>
PM	11:55	12:00		Vendor Break & Grab Lunch Box
	12:00	12:40	Austin Andrus, PT, DPT, ECS	<i>The Primary Care Physical Therapist as a Referring Provider for Electrodiagnostic Testing</i>
	12:45	1:25	Dylan Abshire, PT, DPT, ECS	<i>Electrodiagnostic Evaluation of Traumatic Brachial Plexopathy</i>
	1:30	4:00	Quinn Millington PT, DPT, ECS, OCS	<i>EMG/NCS Professional Development, Governmental Affairs, and the EDX SIG</i>

Presenters

In order of appearance...

David Fuller, MD – Keynote Speaker

David A. Fuller, MD is the Chairman and Chief of the Department of Orthopaedic Surgery at Cooper University Hospital, Camden, NJ. He is also a Professor of Orthopaedic Surgery at the affiliated Cooper Medical School of Rowan University. Dr. Fuller is a graduate of Dartmouth College (AB, Engineering) and the University of Pennsylvania (MD). He completed his orthopaedic surgery residency at Case Western Reserve University. He completed three fellowships: Allen Research Fellow (Case Western Reserve University), Hand & Microvascular Surgery (Thomas Jefferson University); Neuro-Orthopaedics (Albert Einstein Medical Center)

He has been prolific academically with numerous publications and presentations to his credit and continues scholarly pursuits currently with ongoing grant funded research. His current research interests include peripheral nerve injury and repair, orthopaedic trauma and graduate medical education. He has led both regional and national orthopaedic organizations including serving as President for the Orthopaedic Rehabilitation Association. He has helped to create educational curriculum for the medical school as an original course director of the musculoskeletal course and also for the orthopaedic residency program for which he was the founding program director for the ACGME residency at Cooper.

He loves to snowboard with his wife and 4 children especially in the Park City area.

Alain Claudel, PT, DPT, ECS

Alain has a broad background in physical therapy, with specific training in orthopedics and acute care. Alain has participated in the Rocky Mountain University of Health Professions Doctor of Science in Clinical Electrophysiology but in 2010, his career was disrupted due to family obligations. He is Board Certified in Clinical Electrophysiology by the American Board of Physical Therapy Specialties and a Licensed Electroneuromyographer in the State of California. Alain has the expertise, leadership, training and motivation to have started providing electrophysiological assessments of patients on the Monterey Peninsula since 2006 as at the time, there was a dearth of neurologists in the area. This has led to being recognized for clinical expertise in assessing complex patients and resulted in referrals from all neurologists and other physicians in the area. Being hospital-based, this service extends to the ICU and general acute care.

Scott Schaffer, PT, PhD, FAPTA, ECS

Dr. Scott Schaffer is an Associate Dean of Academic Affairs and Professor with the School of Rehabilitation Sciences at the University of the Incarnate Word. He is a Board-Certified Specialist in Clinical Electrophysiologic Physical Therapy and has extensive clinical, teaching, and research experience in neuromusculoskeletal assessment and treatment, to include over 27 years of service as an Army Physical Therapist. Dr. Schaffer served as the PT consultant to US Army Surgeon General, Chief PT of the Army, and retired at the rank of Colonel. He earned his PhD in Rehabilitation Sciences with a focus in Adult Neurologic Disorders and Aging from the University of Kentucky, a Masters degree in Strategic Studies from the U.S. Army War College, and a Masters Degree in Physical Therapy from Baylor University. His clinical and research interests include neuromusculoskeletal evaluation/treatment, clinical electrophysiology assessment, injury risk screening, and health outcomes. Dr. Schaffer is in private practice in electrophysiological testing at Neurosurgery and Spine Consultants in San Antonio, TX

Robert Sellin, PT, DSc, ECS

Robert Sellin has a private practice in Lexington, Kentucky, devoted exclusively to electrophysiologic testing. He has had a diverse career that includes 16 years in the US Navy, and 28 years in both private civilian practice and teaching in entry-level and post professional physical therapy programs. He earned his bachelor's of science degree in physical therapy from East Carolina University, a master of science degree in physical therapy with a specialization in musculoskeletal disorders from the University of Southern California, and a doctor of science degree in electrophysiologic physical therapy from Rocky Mountain University of Health Professions. Throughout his career Sellin has been active in both state and national physical therapy associations. He is a past president of APTA Kentucky, past president of the American Physical Therapy Association's Academy of Clinical Electrophysiology and Wound Management and past chair of the American Board of Physical Therapy Specialties. He is currently vice president of APTA Kentucky.

Art Nitz, PT, PhD, ECS

Attended Wheaton College from 1971-1975, receiving a B.S. in Biology. He participated in track and field and football all four years and co-captained the football team his senior year. Dr. Nitz received his Master's degree in Physical Therapy from Baylor University (US Army) in 1976 and a PhD in Anatomy and Neurobiology from the University of Kentucky in 1984. He has retired from faculty position at the University of Kentucky after 40 years of fulltime teaching and research, holding the rank of Full Professor. He continues to maintain clinical practice as the owner of ProActive Therapy. His clinical practice concentrates on orthopedic and sports injuries and electrophysiologic assessment (EMG/NCS). He has authored numerous articles and book chapters and was co-editor of the textbook, Orthopaedic and Sports Physical Therapy. Dr. Nitz was the recipient of the US Army-Baylor University Alumni of the Year Award in 2001. Art is married to the former Jane Buyse (1975, B.A.) and they have five children – all graduates of Wheaton College. Art and Jane are the happy grandparents of eight granddaughters and nine grandsons.

David Greathouse, PT, PhD, FAPTA, ECS

David G. Greathouse is currently the Director of Clinical Electrophysiology Services, Texas Physical Therapy Specialists, Live Oak, TX and Professor, U.S. Army-Baylor Doctoral Program in Physical Therapy, Fort Sam Houston, TX. Dr. Greathouse is a Diplomate, American Board of Physical Therapy Specialties in Clinical Electrophysiologic PT. Dr. Greathouse was named a Catherine Worthingham Fellow of the APTA in 2006. From 1970-1996, Dr. Greathouse served in the United States Army attaining the rank of Colonel. From 1996-2005, Dr. Greathouse served as the founding chair and associate dean of the Belmont University School of Physical Therapy, Nashville, TN. Dr. Greathouse has published over 60 manuscripts and 15 book chapters/monologues, and has given over 100 professional presentations. Dr. Greathouse is currently a member of the International Editorial Review Board of the Journal of Orthopaedic & Sports Physical Therapy (JOSPT), a manuscript reviewer for Physical Therapy, and Associate Editor of the Journal of Clinical Electrophysiology and Wound Management. He was a recipient of the Clinical Electrophysiology Section (APTA) Award of Excellence in 1999. In 2013, Dr. Greathouse was inducted into the University of Kentucky College of Health Sciences' Hall of Fame. In 2015, he was a recipient of the University of Pittsburgh School of Health and Rehabilitative Sciences Distinguished Alumni Award. School of Health and Rehabilitative Sciences Distinguished Alumni Award. In 2019, Dr. Greathouse was the Penny G. Kroll Visiting Speaker at the Marshall University School of Physical Therapy in Huntington, WV. Dr. Greathouse was inducted into the National Wrestling Hall of Fame (West Virginia Chapter) as an Outstanding American in 2024.

His current teaching positions include the U.S. Army-Baylor University Doctoral Program in Physical Therapy, Fort Sam Houston, TX (Professor); Rocky Mountain University of Health Professions, Provo, UT (Adjunct Professor); and U.S. Army- Baylor University Post-Professional Doctoral Program in Orthopaedic Manual Therapy, Brooke Army Medical Center, Fort Sam Houston, TX (Adjunct Clinical Faculty). From 2008-2018, he was an Adjunct Clinical Professor at Texas State University DPT Program, San Marcos, TX. From 1997-2024, he was a Professor (Adjunct), Creighton University DPT program, Omaha, NE.

Nathan Savage, PT, DPT, PhD, ECS

Dr. Savage is an Associate Professor in the Department of Physical Therapy at Winston-Salem State University. He began clinical practice in 2000 and is Board-Certified in Orthopaedic and Clinical Electrophysiologic Physical Therapy by the American Board of Physical Therapy Specialties and is Registered in Musculoskeletal® sonography by the Alliance for Physician Certification and Advancement. Dr. Savage earned his PhD in Rehabilitation Science from the University of Utah and his Doctor of Physical Therapy degree from the University of Kansas. He has several peer-reviewed publications in orthopedics, electrodiagnostic testing, and ultrasound imaging including in the Journal of Ultrasound in Medicine, European Spine Journal, Journal of Orthopaedic & Sports Physical Therapy, and Medical Science Educator. Dr. Savage lives in North Carolina with his lovely wife and 3 children.

Elizabeth Painter, PT, DPT, DSc, ECS

Dr. Painter received a Master of Physical Therapy from the Army-Baylor University Program in Physical Therapy in 1999 and a Doctor of Physical Therapy from Baylor University in 2007. She completed the Army-Baylor Doctoral Fellowship in Orthopaedic Manual Physical Therapy in 2014, earning a Doctor of Science in Physical Therapy. Dr. Painter holds board certifications in both in Clinical Electrophysiologic and Orthopaedic Physical Therapy. She has served on the Clinical Electrophysiologic Specialty Council and is currently a Clinical Content Expert, involved in writing and editing exam questions for the clinical electrophysiologic specialty exam. Dr. Painter is currently in private practice in electrophysiological testing at Neurosurgery and Spine Consultants in San Antonio, TX.

Rick McKibben, PT, DSc, ECS

Dr. McKibben is a physical therapist and clinical electrophysiologist with over 30 years of clinical practice. He achieved a Doctor of Science in Clinical Electrophysiology from Rocky Mountain University and a Master of Science in Physical Therapy from North Georgia College. He works in private outpatient and hospital-based electrodiagnostic labs in the southeast with Integrity Diagnostics as a full-time electromyographer and administrator. He is board certified in Clinical Electrophysiology by the American Board of Physical Therapy Specialties. Dr. McKibben has mentored numerous physical therapists that have gone on to achieve ABPTS board certification and he teaches professional continuing education in the field of electrophysiological testing. He has authored/co-authored several textbook chapters on electrodiagnostic testing, peer-reviewed journal articles and presents routinely at national meetings. He has served as an associate professor in Rocky Mountain University's DSc in Clinical Electrophysiology and presents as guest/adjunct faculty in the areas of neurophysiology, diagnostic tests and the electrophysiological evaluation at several universities. Dr. McKibben is active in the American Physical Therapy Association, the APTA's Academy on Clinical Electrophysiology and Wound Management and has served in several leadership roles over the years including ACEWM Practice Chair, ACE Membership Chair, and Treasurer of both the ACEWM and ACEWM's EDX SIG. He is the current ACEWM Secretary.

Kevan Whipple, PT, DPT, ECS

Dr Whipple has enjoyed a professional career that has allowed him to interface with various physical therapy specialties in meaningful ways, including orthopedics, rehabilitation and neurodiagnostics. He has been adjunct faculty at the University of Utah for many years and was an instructor at Rocky Mountain University of Health Professions in the intermediate EMG program until it was discontinued in 2020. He has helped to develop advanced internships and the introduction of primary care PT in the VA hospital system, helped start the post-doctoral orthopedic residency program at the University of Utah, represented the American Physical Therapy Association in development of a white paper to establish norms for injury prevention for all rehab professions, and many other activities. He is a graduate of one of the first Doctor of Physical Therapy programs in the country, and completed one of the first residency programs in neuroelectrophysiology at that time. He has over 25 years' experience performing EMG and nerve conduction studies.

Leon Romero, PT, DSc, ECS, OCS

Dr. Romero is a physical therapist residing and practicing in the State of Georgia and is a content-matter expert and internationally known specialist in Physical Therapy and Electrodiagnostic Testing (EMG & Nerve Conduction Testing). Dr. Romero received his Bachelor's degree in Biology from Andrews University in 1997, and in 2005 completed a Master of Science in Physical Therapy at the University of North Georgia. In 2016, he completed a Doctor of Science in Clinical Electrophysiology at Rocky Mountain University of Health Professions in Utah and very few healthcare providers in the world possess his combination of education, clinical experience and Board Certification. Dr. Romero has extensive experience across multiple healthcare settings and has played an active role in Physical Therapy Education, clinical practice, as well as founding and managing several companies in the healthcare space. He is currently the managing partner of Synapse EMG Services and is Board Certified by the American Board of Physical Therapy Specialties (ABPTS) as an Orthopaedic Clinical Specialist and is also ABPTS Board Certified as an Electrophysiologic Clinical Specialist. His roles in education and leadership include being an Adjunct Faculty member at the GA Campus – Philadelphia College of Osteopathic Medicine, as well as serving as an item writer and report reviewer for the specialty certification examination. His present areas of interest include research in Clinical Electrophysiology, innovative treatment approaches in Orthopedic and Sports rehabilitation, and business strategy in the changing healthcare market.

Ting Oh, PT, ECS

Ting Oh grew up in Australia and received his Bachelor of Science Degree in Physiotherapy from Curtin University of Technology in 1993. His desire to travel brought him to the United States in 1994 and after various travel assignments, settled in Hazleton PA in 1998. He worked in various settings over the next few years before opening an Outpatient Clinic in 2006 and a second clinic in 2022. He completed his Clinical Electrodiagnosis Residency Program and received his ECS Board Certification in 2023. Currently, he splits his time treating Physical Therapy patients and performing diagnostic testing including EMG/NCS and MSKUS.

Nancy Mansell, PT, DPT, ECS

Dr. Nancy Mansell completed her undergraduate degree at Penn State and received her Doctorate of Physical Therapy from the Army/Baylor Program. She served in the Army until 2011 and during her time was deployed to Iraq with the 82nd Airborne Division. Her interest in EDX began in 2013 and with RMU ENMG training and help from many mentors, she earned her ECS in 2016. Her EDX laboratory is accredited by FELA and she performs EDX in rural communities in Northwest Washington. She is the Nominating Chair for the EDX SIG, serves as a mentor for AACE and has presented at several RMU Symposiums.

Austin Andrus, PT, DPT, ECS

Austin Andrus has been practicing clinical electrophysiology since 2017 and has been board certified since 2020. Over the years he has performed over 10,000 studies in Washington, Utah, Alabama, Georgia, and Tennessee. He is driven to advance the field of electrodiagnostics and is striving to standardize best practices throughout the intermountain West through accessible education and groundbreaking research. Outside of the clinic he is a proud husband and father and loves sharing his ever-growing list of hobbies with his family.

Dylan Abshire, PT, DPT, ECS

Dr. Dylan Abshire is a Board-Certified Clinical Electrophysiologic Specialist through the American Board of Physical Therapy Specialties (ABPTS). He serves as the Neurophysiologist for the Indiana Hand to Shoulder Center, where he performs electrodiagnostic testing and collaborates in the specialized Peripheral Nerve Clinic. In addition to his clinical practice, Dr. Abshire teaches electromyography (EMG) and nerve

conduction studies (NCS) within the Center's Hand Surgery Fellowship Program, providing advanced instruction in the evaluation of complex upper extremity neuropathies for surgeons.

He earned his Doctor of Physical Therapy (DPT) degree and completed advanced post-professional residency training in Clinical Electrophysiology through the AACE Residency Program. His professional and scholarly interests include traumatic brachial plexopathies, focal mononeuropathies, and classification of peripheral nerve injuries for surgical and non-surgical outcomes.

Quinn Millington, PT, DPT, ECS, OCS

Dr. Millington received his Bachelor of Science degree in Exercise Science from Brigham Young University in Provo, UT where he also earned a minor in psychology and studied Korean. He earned his Master of Science degree in Physical Therapy from the University of Alabama at Birmingham and a Doctor of Physical Therapy from Rocky Mountain University in Provo Utah. Dr. Millington is board certified in clinical electrophysiology and orthopedics. He has presented on orthopedic physical therapy and clinical electroneuromyography at CSM and as a guest lecturer at Alabama State University, Samford University, the University of Alabama at Birmingham and Auburn University, Montgomery. He is a member of the American Physical Therapy Association and the Alabama Physical Therapy Association and currently serves as the Clinical Electrophysiology Special Interest Group Chair within the Academy of Clinical Electrophysiology and Wound Management (ACEWM).

37th Annual Electroneuromyographic Symposium Course Objectives

1. List the typical nerve conduction and electromyography findings associated with benign and malignant nerve tumors.
2. Understand the importance of ultrasound imaging as a complement to the electrodiagnostic test testing.
3. Discuss the typical and atypical historical and physical examination findings in patients with degenerative cervical myelopathy.
4. Describe an evidence based clinical and electrophysiologic exam (EMG/NCS) and suspected findings for a patient with suspected cervical myelopathy.
5. The participant will be able to discuss the varied possible causes of peripheral nerve injuries following shoulder arthroplasties.
6. The participant will be to analyze post nerve injury, clinical and electrophysiologic findings, and predict likely prognostic implications the majority of the time.
7. Identify the key clinical and electrophysiologic findings in support of the double-crush syndrome diagnosis.
8. Describe the underlying anatomic and pathophysiologic evidence that challenges the double-crush syndrome designation.
9. Discuss the subjective (history), subjective (physical exam), electrophysiological testing (EMG/NCS) and lab studies for a patient with generalized peripheral polyneuropathy.
10. Compare and contrast the electrophysiological findings of demyelinating and axonal loss neuropathic process.
11. Discuss the lab study and electrophysiological findings of a patient with Vitamin B12 deficiency polyneuropathy.
12. Define and discuss electrodiagnostic and sonographic classifications of ulnar neuropathy at the elbow.
13. Evaluate and discuss the relationship between electrodiagnostic and sonographic classifications of ulnar neuropathy at the elbow in a large sample of patients.
14. Identify findings from the subjective exam that suggest segmental zoster paresis in the patient with asymmetric motor weakness and limb pain.
15. Plan an electrophysiologic exam (EMG/NCS) to evaluate a patient with a history of herpes zoster and new onset motor weakness and pain.
16. Participants will be able to describe the anatomy, common entrapment sites and standard EDX assessments of the median nerve.
17. Participants will be able to modify nerve conduction and EMG/NCS techniques to accommodate atypical presentations of median neuropathy.
18. Participants will better understand ALS, its clinical presentation and the various ways that ALS presents in EDX testing.
19. Participants will be able to understand specialty EMG studies used to help determine if a motor neuron disorder is present.
20. Participants will be able to outline and discuss published perspectives on EMG report writing.
21. Participants will become familiar with the "AANEM Model-report" position statement on reporting the results of EMG testing and nerve conduction studies.
22. Participants will understand common brachial plexus injuries post fall in the senior population.
23. Participants will understand the mechanism of nerve injury post fracture dislocation of the shoulder.
24. Identify the most common variants of Charcot-Marie-Tooth.
25. Recognize EDX findings consistent with Charcot-Marie-Tooth.
26. Participants will advocate for physical therapists in their expanding role as primary care providers.
27. Participants will understand strengths and weaknesses in the behavior of physical therapists as referring providers.
28. Describe brachial plexus anatomy and organization of the brachial plexus, including root, trunk, division, cord, and terminal branch relationships relevant to traumatic type brachial plexopathies.

29. Identify electrodiagnostic patterns characteristic of traumatic brachial plexopathy- including common patterns of plexopathy dependent on trauma type.
30. Recognize the healthcare issues affecting electrodiagnostic practice for physical therapists.
31. Identify strategies for affecting the outcomes of legislative actions affecting physical therapists and performance of electrodiagnostic studies in the United States.