



Walter Reed
National Military
Medical Center

State of the Science Symposium
“Multidisciplinary Management of
Complex Peripheral Nerve Injuries”
September 28, 2022



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Goal: The goal of this course is to provide participants with an overview of current operative, non-operative, and rehabilitative evaluation and treatment options utilized and implemented in the management of complex peripheral nerve injuries (PNI). The course will attain this objective by showcasing clinical and research lectures regarding the impact of advanced diagnostic, surgical, interventional, and rehabilitative techniques to maximize function and quality of life after PNI.

Objectives:

1. Describe the pathophysiology of PNI and current evaluation practices.
2. Discuss the utilization and rationale for surgical and pain management techniques for management of PNI.
3. Demonstrate advancements in rehabilitative care for PNI with computer and neural-interfaced orthoses.
4. Obtain training in diagnostic ultrasound for evaluation of peripheral nerves and common entrapment neuropathies encountered in clinical settings.

Organizer:

LTC Matthew E. Miller, MD, matthew.e.miller78.mil@health.mil

Agenda

All times are in Eastern Standard Time.

Location: Memorial Auditorium, 3rd Floor, Building 2, WRNMMC

Link: [Microsoft Teams](#)

0750–0800 **Introduction**

LTC Matthew E. Miller, MD, Program Director, 61P TSG Consultant, WRNMMC

0800–0820 **Opening Remarks**

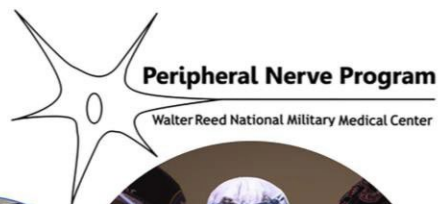
LtCol Erik L. Melanson, Battalion Executive Officer, Marine Cryptologic Support Battalion, Fort Meade

0825–0910 **Peripheral Nerve Injury: Pathophysiology and Evaluation**

Jeffrey A. Strakowski, MD, Clinical Professor, Associate Director of Medical Education, Ohio State University, OhioHealth Riverside Methodist Hospital



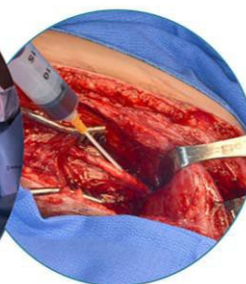
- 0915–1000 **Surgical Techniques for Peripheral Nerve Injury**
 Sami Tuffaha, MD, Assistant Professor in Plastic Surgery, Orthopaedic Surgery,
 Neurosurgery, Johns Hopkins University School of Medicine
- 1005–1050 **Pain Management: Neuromodulation for PNI**
 David Spinner, DO, Director of Pain Management, White Plains Hospital
- 1050–1120 **Break**
- 1120–1205 **Advancements in Computer and Neural-Interfaced Orthoses (No CME Awarded)**
 Jonathan Naft, CPO, Founder & President of Geauga Rehabilitation Engineering
- 1300–1500 **Ultrasound Workshops (in-person only)**
 Small group hands-on sessions with live model ultrasound scanning
 Location: PM&R Clinic, 1st Floor, Building 19, WRNMMC
 Teaching Faculty:
- Katharine E. Alter, MD, Senior Research Clinician, Medical Director,
 Functional and Applied Biomechanics Section, Rehabilitation Medicine,
 Clinical Center, National Institutes of Health
 - Jeffrey A. Strakowski, MD
 - LTC Matthew E. Miller, MD
 - David Spinner, DO
- 1500 **CME ENDS**



EDUCATION
 Supports 6 GME programs



READINESS
 Return to Duty
 Knowledge, Skill, Abilities



RESEARCH
 \$7.3 M grant funding
 Supports 8 clinical projects





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CME Credits can be applied for at: https://pitt.co1.qualtrics.com/jfe/form/SV_3jWWKW6hnYJmUXI

Applicants will be entered into the UPMC Continuing Education System, whereupon they will be able to access course evaluation and/or claim credit.

Accreditation and credit designation statement

In support of improving patient care, this activity has been planned and implemented by the University of Pittsburgh and US Dept. of Veteran Affairs, Uniformed Services University of the Health Sciences, Walter Reed NMMC. The University of Pittsburgh is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Physician (CME)

The University of Pittsburgh designates this live activity for a maximum of 4.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other health care professionals will receive a certificate of attendance confirming the number of contact hours commensurate with the extent of participation in this activity.

Faculty Disclosure

All individuals in a position to control the content of this education activity have disclosed all financial relationships with any companies whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients.

All of the relevant financial relationships for the individuals listed below have been mitigated

David Spinner, DO

Consultant: Bioventus, NALU, SPR-I teach ultrasound and PNS Implant Training

Sami Tuffaha, MD

CE Speakers' Bureau: Single paid talk - Checkpoint Surgical (ended January 2021)
Stockholder (privately held) Phantom Neuro (start-up) - Advisor, equity stakeholder

No other members of the planning committee, speakers, presenters, authors, content reviewers and/or anyone else in a position to control the content of this education activity have relevant financial relationships with any companies whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients.

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