

Mellen Center Update in Multiple Sclerosis (MS)

Friday, June 23, 2023 | Hybrid Meeting

An update in understanding and managing MS

InterContinental Hotel &
Conference Center

www.ccfcmc.org/MS

About the Symposium

Welcome to the 2023 Mellen Center Update in Multiple Sclerosis (MS). This is our 15th symposium and we are excited to welcome our attendees back for an in-person event. Our hope is that this year's program will have something for everyone, from the practical day-to-day management of MS patients to the newest research developments in the field.

I am excited to announce that Dr. Darin Okuda from the University of Texas Southwestern Medical Center will be our keynote speaker. Dr. Okuda has had a distinguished career in the field of MS and has been a thought leader in the area of radiologically isolated syndrome. These patients can pose a special dilemma to clinicians and his talk will help us to identify and manage them. Additionally, Dr. Susan Linder will be talking to us about the role of exercise for MS patients and Dr. Robert Fox will give an update on the emergence of Bruton's tyrosine kinase inhibitors for the treatment of multiple sclerosis.

We will have three tracks in the afternoon designed to appeal to a wide range of interests. The first is a clinical track on the management of MS and will include talks from Dr. Amy Sullivan on the use of biofeedback in managing mood disorders in MS patients and Dr. Marisa McGinley will be giving an update on the emerging fields of neuroprotection and remyelination. The

second track will focus on the role of rehabilitation in MS care. Dr. Mary Rensel and one of our most experienced occupational therapists, Alyssa Leonard, will speak on a multi-disciplinary approach to wellness in MS patients. There will also be a case report on the multi-disciplinary approach and a talk on specialty rehab services. Finally, we are excited to offer a track on imaging and pathology research in MS. Dr. Emmanuel Obusez will talk about clinical applications of 7 Tesla imaging, Dr. Kedar Mahajan will discuss the spinal cord and progression in MS, and Dr. Daniel Ontaneda will give an update on the CAVS MS study and the use of the central vein sign in distinguishing MS from other central nervous system pathologies.

A number of other fascinating talks will also be given at the symposium. We welcome you to join us for the Mellen Center Update and believe you will find the program stimulating and educational. I look forward to seeing everybody in-person this year!

Best Regards,



Devon Conway, MD, MS, Symposium Director

Objectives

At the completion of this activity, the participant will be able to:

- Describe and critically appraise the updates, clinical implications and pathophysiology of MS and other neuroinflammatory diseases.
- Describe the role of wellness in MS, including the benefits of exercise, stress management, biofeedback and rehabilitation services.
- Summarize how management strategies for multiple sclerosis are affected by socioeconomic factors.
- Outline steps for treating breakthrough disease after highly effective therapy.
- Detail developments in neuroprotection and remyelination in multiple sclerosis.
- Describe recent updates in imaging, including applications of 7-Tesla MRI, and use of the central vein sign, which can help in the evaluation of MS mimics, thereby reducing misdiagnosis.

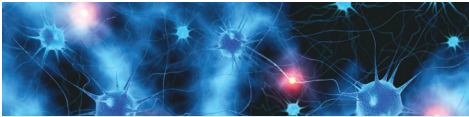
Target Audience

This update is intended for health care practitioners engaged in the care of patients with MS and related disorders. We will cover a broad range of topics of value to health care professionals from a wide array of backgrounds including, physicians, nurses, physician assistants, physical, occupational, and speech therapists, psychologists, neuropsychologists, social workers, and other health care practitioners who treat patients with MS.

Faculty Disclosure Statement

The Cleveland Clinic Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Integrity and Independence requiring mitigation of all faculty conflicts of interest. Faculty declaring a relevant financial relationship will be identified in the activity syllabus.

Register Online: www.ccfcmc.org/MS



Faculty

Guest Faculty

Darin Okuda, MD
UT Southwestern Medical Center
Dallas, TX

Cleveland Clinic Faculty

Symposium Director

Devon Conway, MD, MS
Mellen Center for Multiple Sclerosis

Mellen Center for Multiple Sclerosis

Justin Abbatemarco, MD
Ashley Christopher, PT, DPT, NCS
Christina Duncan, MS, OTR/L, CDRS
Robert Fox, MD
Jameson Holloman, MD
Maureen Ivec, PT, DPT, NCS
Alexa Kane, PsyD
Alyssa Leonard, MS, OTR/L, MSCS
Kedar Mahajan, MD, PhD
Marisa McGinley, DO
Deborah Miller, PhD, LISW
Brandon Moss, MD
Daniel Ontaneda, MD, PhD
Mary Rensel, MD
Lindsay Ross, MD
Lisa Stropp, MD
Amy Sullivan, PsyD, ABPP

Biomedical Engineering

Kunio Nakamura, PhD

Diagnostic Radiology

Emmanuel Obusez, MD

Physical Medicine and Rehabilitation

Susan Linder, DPT, PhD

Planning Committee

Justin Abbatemarco, MD
Robert Bermel, MD
Jeffrey Cohen, MD
Kathleen Harris, CNP
Maureen Ivec, PT, DPT, NCS
Alyssa Leonard, MS, OTR/L, MSCS
Marisa McGinley, DO
Janet Perryman, MBA
Amy Sullivan, PsyD, ABPP
Hilary Young, PA-C

Agenda

Friday, June 23, 2023 • Eastern Time

Time for questions and answers are included in each presentation.

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| 7:30 am | Registration/Continental Breakfast/Exhibits |
| 8:20 am | Welcome – <i>Devon Conway</i> |
| 8:30 am | Radiologically Isolated Syndrome: To Treat or Not to Treat?
<i>Darin Okuda</i> |
| 9:20 am | Neurosarcoidosis: Diagnosis and Management – <i>Brandon Moss</i> |
| 10:00 am | Exercise and MS – <i>Susan Linder</i> |
| 10:40 am | Break and Exhibits |
| 11:00 am | BTK Inhibitors – <i>Robert Fox</i> |
| 11:35 am | The Impact of Socioeconomic Factors on MS – <i>Deborah Miller</i> |
| 12:10 pm | Lunch Break and Exhibits |

Breakout Session A: MS Clinical Track

Moderator: Devon Conway

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| 1:00 pm | Stress Management and Biofeedback as a Tool to Managing Mood and MS – <i>Amy Sullivan and Alexa Kane</i> |
| 1:40 pm | Neuroprotection and Remyelination – Where are We?
<i>Marisa McGinley</i> |
| 2:20 pm | Break and Exhibits |
| 2:40 pm | Breakthrough Disease After a Highly Effective Therapy: What to do?
<i>Lindsay Ross</i> |
| 3:20 pm | Red Flags in the Diagnosis of MS and Other Demyelinating Disorders: What to Watch For – <i>Jameson Holloman and Lisa Stropp</i> |

Breakout Session B: Rehabilitation

Moderator: Alyssa Leonard

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| 1:00 pm | Benefits of Wellness from the Multi-Disciplinary Approach
<i>Mary Rensel and Alyssa Leonard</i> |
| 2:00 pm | Case Report from the Multi-Disciplinary Approach (Part I)
<i>Maureen Ivec, Christina Duncan, and Justin Abbatemarco</i> |
| 2:20 pm | Break and Exhibits |
| 2:40 pm | Case Report from the Multi-Disciplinary Approach (Part II)
<i>Maureen Ivec, Christina Duncan, and Justin Abbatemarco</i> |
| 3:20 pm | Specialty Rehab Services – <i>Alyssa Leonard, Christina Duncan and Ashley Christopher</i> |

Breakout Session C: Imaging and Pathology in MS Research

Moderator: Daniel Ontaneda

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| 1:00 pm | 7 Tesla MRI: From Research to Bedside – <i>Emmanuel Obusez</i> |
| 1:40 pm | The Spinal Cord and Progression in Multiple Sclerosis
<i>Kedar Mahajan</i> |
| 2:20 pm | Break and Exhibits |
| 2:40 pm | The Central Vein Sign and CAVS MS – <i>Daniel Ontaneda</i> |
| 3:20 pm | Applications of Machine Learning in Multiple Sclerosis Imaging
<i>Kunio Nakamura</i> |
| 4:00 pm | Adjourn all sessions |

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General Information

Accreditation

In support of improving patient care, Cleveland Clinic Center for Continuing Education 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.

Credit Designation

- **American Medical Association (AMA)**
Cleveland Clinic Center for Continuing Education designates this live activity for a maximum of 6.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the live activity.
Participants claiming CME credit from this live activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.
- **American Nurses Credentialing Center (ANCC)**
Cleveland Clinic Center for Continuing Education designates this live activity for a maximum of 6.25 ANCC contact hours.
- **American Academy of PAs (AAPA)**
Cleveland Clinic Center for Continuing Education has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 6.25 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.
- **Interprofessional Continuing Education (IPCE) Credit**
This activity was planned by and for the healthcare team, and learners will receive 6.25 Interprofessional Continuing Education (IPCE) credit for learning and change.
- **Ohio Psychological Association (OPA)**
OPA-MCE Provider – Approved for 6.25 credits.
- **Ohio Physical Therapy Association (OPTA)**
Credit is being applied for with the Ohio Physical Therapy Association – Approval is pending.

- **OT section of the Ohio OTPTAT Board**

Credit is being applied for with the OT section of the Ohio OTPTAT Board – Approval is pending.

- **Certificate of Participation**

A certificate of participation will be provided to other health care professionals for requesting credits in accordance with their professional boards and/or associations.

Location

InterContinental Hotel & Conference Center
9801 Carnegie Avenue, Cleveland, Ohio 44106
Phone: 216.707.4100 or 877.707.8999

Parking

Complimentary parking is available in the Visitor's Parking Garage #2 located off 100th and Carnegie. From the garage, take the 3rd floor skyway to the hotel. Please bring your parking ticket to the conference registration desk for validation. Valet parking is available at the hotel at your own cost of \$18.00 per car for meeting attendance. Visit www.clevelandclinic.org for maps and directions.

Faculty Presentations

Faculty presentation slides will be available online in PDF format. You will have access prior to the activity to allow you to download or print the slides.

Information

For further information about this activity, contact Shana Spade at Local: 216.444.9380; Toll Free: 800.223.2273 x49380; Email: spades@ccf.org

Americans with Disabilities Act

The Cleveland Clinic Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify Shana Spade at 216.444.9380 at least two weeks prior to the activity.

Registration and Cancellation Information

Register Online: www.ccfcmc.org/MS

Registration Fee: \$50

In-person registration includes: online syllabus, continental breakfast, breaks and buffet lunch; **Virtual registration includes:** virtual attendance and online syllabus.

Register at www.ccfcmc.org/MS. Registration deadline is **5:00 pm (EST), Monday, June 19, 2023**. A request for a refund must be received in writing by June 12, 2023. No refunds will be given after June 12, 2023. A \$25 cancellation fee will be deducted from the refund for all cancellations.

For questions about registration, please call 216.448.8710 or email cmeregistration@ccf.org.

Cleveland Clinic Center for Continuing Education reserves the right to cancel or postpone activity in our sole discretion. In the unlikely event that this occurs, any registration fee(s) paid will be refunded. Be advised that Cleveland Clinic is not responsible for related costs including airline tickets, hotel costs, or any similar fee penalties incurred as a result of any trip cancellations or changes.



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The Cleveland Clinic Foundation
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9500 Euclid Avenue
Cleveland, OH 44195



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