

NEUROLOGY UPDATE & STROKE INTENSIVE REVIEW



YEARS
1967 - 2024

COURSE HIGHLIGHTS:

Cognitive Health | Epilepsy | Headache/Migraine | General Neurology | Movement Disorders
Multiple Sclerosis | Neuromuscular Disorders | Neuropsychological Disorders | Sleep Disorders | Stroke



Andres M. Kanner, MD, FAAN, FANA, FAES
COURSE DIRECTOR

Sebastian Koch, MD
CO-COURSE DIRECTOR

FEBRUARY 29-MARCH 2, 2024
LOEWS CORAL GABLES HOTEL

Registration and information: www.cme.med.miami.edu

Sponsored by:



UNIVERSITY OF MIAMI
MILLER SCHOOL
of MEDICINE

Presented by: Department of Neurology

NEUROLOGY UPDATE & STROKE INTENSIVE REVIEW

57 YEARS
1967 - 2024

COURSE OVERVIEW

The **57th Annual Neurology Update and Stroke Intensive Review 2024** provides clinicians with a comprehensive review of the most recent developments in the diagnosis and management of neurologic disorders, including stroke, cognitive neurology/brain health, epilepsy, multiple sclerosis (MS), movement disorders, neuromuscular disorders, headache/migraine, neuropsychology, sleep disorders and general neurology.

Challenging diagnostic and therapeutic questions will be raised in each session around representative clinical vignettes, targeted reviews of the topic by the faculty and panel discussions. Exchange of information between faculty and attendees will take place during questions and answers sessions after each presentation as well as round table and panel discussions.

In addition, a dedicated stroke seminar will take place Saturday, designed as a stand-alone 8-hour CME activity. For those centers planning to seek stroke center status or already designated as a stroke center, this course will provide stroke teams with the most up-to-date evidence in the field of stroke diagnosis, treatment and prevention.

TARGET AUDIENCE

The course is aimed primarily at neurologists, stroke specialists, neurosurgeons, psychiatrists, neuro-oncologists, hospitalists, intensivists, fellows, residents, nurses and allied healthcare professionals that participate in the care of neurological patients or work in stroke centers. Internists, general practitioners and cardiologists may also find the topics timely and useful.

LEARNING OBJECTIVES

At the completion of the course, attendees will be able to:

Cognitive Neurology

- Understand the importance of brain donation and how they can enroll their patients
- Describe the many different presentations and pathologies associated with dementia and how they can potentially detect them
- Discuss the new and emerging symptomatic and disease-modifying therapies for Alzheimer's disease and related disorders

Epilepsy

- Diagnose autoimmune encephalitis
- Distinguish autoimmune epilepsy from epileptic seizures that result from an autoimmune encephalitis and plan the proper treatment
- Recognize the autoimmune cause of status epilepticus
- Determine when to use immunotherapy, pharmacotherapy with antiseizure medications and epilepsy surgery

General Neurology

- Recognize clinical signs of Creutzfeldt-Jakob Disease (CJD) in contrast to other diseases presenting with cognitive deficit
- Review the common causes and epidemiology of low back pain
- Evaluate the basis and construction of Large Language Models (LLM)
- Integrate updated knowledge to manage Idiopathic intracranial hypertension (IIH)
- Educate physicians in the community about Traumatic Brain Injuries (TBIs) throughout a series of simple to complicated sports cases

Headache/Migraine

- Employ various strategies to optimize acute migraine management by attack characteristics and patient centered goals
- Identify patients who could benefit from migraine preventive therapies to formulate, initiate, and reinforce a patient-centered migraine prevention plan, with focus on the update for recent pharmacologic and non-pharmacologic strategies
- Explore the diagnosis and treatment paradigms for various headache disorders, including less common and refractory migraine types

Movement Disorders

- Delineate the complexities and challenges presented by advanced Parkinson's Disease therapies, emphasizing their potential side effects and the scenarios in which they are most likely to arise
- Impart strategies and guidelines for identifying and managing side effects early, optimizing patient outcomes and ensuring safety
- Outline the primary challenges of accurate identification and categorization of ataxia amidst its wide range of presentations
- Identify common therapeutic challenges encountered as non-Parkinsonian movement disorders evolve over time
- Introduce evidence-based initial management and treatment strategies for ataxia, detailing their respective risks and benefits

- Review the latest research and advancements in the management of non-Parkinsonian movement disorders, emphasizing emerging therapies and interventions

Multiple Sclerosis

- Recognize the benefit of obtaining NFL levels to diagnose and manage Multiple Sclerosis
- Identify usefulness and availability of NeuroQuant services and the community and applications in clinical practice
- Familiarize themselves with clinical trial data on efficacy of Bruton tyrosine kinase (BTK) inhibitors in the management of MS
- Evaluate the risk/benefit ratio and eligibility for these MS treatments
- Examine aggressive RRMS

Neuromuscular Disorders

- Summarize the results of recent clinical trials of new immunomodulatory therapies for Myasthenia Gravis
- Outline the current treatment of pediatric and adult Spinal Muscular Atrophy
- Establish the appropriate evaluation and management of TTR-Familial Amyloid Polyneuropathy
- Review key concepts in Neuromuscular Medicine

Neuropsychological Disorders

- Examine the factors that contribute to neurocognitive concerns following mild traumatic brain injury and the potential appropriate interventions
- Explain appropriate psychotherapeutic interventions for patients with underlying neurological conditions and how they can enhance medical treatment outcomes
- Review the relationship between structural and functional status in mesio-temporal sclerosis, particularly as it relates to potential cognitive morbidity risk following surgical resection or ablation of these structures
- Evaluate health disparities in sleep and discuss appropriate ways to address these
- Review challenging clinical cases and describe barriers to diagnoses with a closer look at the role of consultation and interdisciplinary care

Sleep Disorders

- Evaluate recent literature and ongoing research regarding the link between sleep disorders and neurological disease
- Review treatment options including surgical treatment for sleep apnea

Stroke

- Treat appropriate acute ischemic stroke patients with modern strategies that include the extended 24-hour treatment window with thrombolytics, endovascular approaches and antithrombotic
- Establish appropriate management of intracerebral hemorrhage according to current guidelines for the management of hypertensive and lobar hemorrhages as well as the role of reversal strategies in coagulopathic hemorrhages
- Institute measures to prevent a recurrent stroke based on stroke mechanism and in special populations according to the most recent guidelines and evidence

ACCREDITATION

The University of Miami Leonard M. Miller School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CREDIT DESIGNATION

The University of Miami Leonard M. Miller School of Medicine designates this live activity for a maximum of **23.0 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

DISCLOSURE AND CONFLICT OF INTEREST MITIGATION

All conflicts of interest of any individual(s) in a position to control the content of this CME activity will be identified and mitigated prior to this educational activity being provided. Disclosure about provider and faculty relationships, or the lack thereof, will be provided to learners.

FOR MORE INFORMATION:

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NEUROLOGY UPDATE & STROKE INTENSIVE REVIEW



AGENDA

THURSDAY, FEBRUARY 29, 2024

MULTIPLE SCLEROSIS / HEADACHE-MIGRAINE / EPILEPSY / NEUROMUSCULAR DISORDERS / SLEEP DISORDERS

7:00-8:00 AM	Registration sign-in and Breakfast	12:20-12:40 PM	Relationship Between Structural and Functional Changes In Temporal Lobe Epilepsy <i>Gustavo Rey, PhD</i>
7:55-8:00 AM	Welcome and Introductory Remarks <i>Andres M. Kanner, MD</i>	12:40-1:00 PM	Health Disparities in Sleep And Cognition <i>Sonya Kaur, PhD</i>
MULTIPLE SCLEROSIS Moderator: <i>Flavia Nelson, MD</i>		1:00-1:10 PM	Diagnostic Dilemmas and Challenging Differential Diagnoses <i>Annelly Bure-Reyes, PhD</i>
8:00-8:20 AM	Update on Neurofilament Light Chain (NFL) as a Biomarker of Multiple Sclerosis (MS) Activity <i>Micheline McCarthy, MD, PhD</i>	1:10-2:00 PM	Buffet Lunch
8:20-8:40 AM	Novel Imaging Modalities for Evaluation of MS Progression <i>Ramon Flores Gonzalez, MD</i>	HEADACHE AND MIGRAINE Moderator: <i>Teshamae Monteith, MD</i>	
8:40-9:00 AM	Novel Therapeutic Approaches in MS <i>Kottil W. Rammohan, MD</i>	2:00-2:20 PM	Refining Approaches to Acute Migraine Management <i>Teshamae Monteith, MD</i>
9:00-9:20 AM	Clinical Case Discussion: Multiple Sclerosis <i>Stephanie Caceres Picon, MD</i>	2:20-2:40 PM	Redefining Successful Migraine Prevention <i>Alexandra Cocores, MD</i>
9:20-9:30 AM	Discussion and Q&A — Multiple Sclerosis <i>Ramon Flores Gonzalez, MD, Micheline McCarthy, MD, PhD, Flavia Nelson, MD, Stephanie Caceres Picon, MD, Kottil W. Rammohan, MD</i>	2:40-3:00 PM	Clinical Pearls for Complex Headache Disorders <i>Liza Smirnov, MD</i>
9:30-10:00 AM	Coffee and Visit Exhibits	3:00-3:30 PM	Panel Discussion: Migraine and Headache Treatment <i>Alexandra Cocores MD, Teshamae Monteith, MD, Liza Smirnov, MD</i>
NEUROMUSCULAR DISEASES Moderator: <i>Mario A. Saporta, MD, PhD, MBA</i>		3:30-4:00 PM	Coffee Break and Visit Exhibits
10:00-10:20 AM	New Treatments for Myasthenia Gravis <i>Olimpia Carbutar, MD, MS</i>	SLEEP DISORDERS Moderator: <i>Salim Dib, MD</i>	
10:20-10:40 AM	Current Management of Spinal Muscular Atrophy <i>Mario A. Saporta, MD, PhD, MBA</i>	4:00-4:25 PM	Advances in Neurostimulation for Sleep Apnea <i>Maria V. Suurna, MD</i>
10:40-11:00 AM	Evaluation and Management of TTR-Familial Amyloid Polyneuropathy <i>Nathan Carberry, MD</i>	4:25-4:30 PM	Q&A
11:00-11:40 AM	Neuromuscular Cases and Q&A <i>Nathan Carberry, MD, Olimpia Carbutar, MD, MS, Mario A. Saporta, MD, PhD, MBA, Ayman Shahein, MD</i>	4:30-4:55 AM	Sleep in Cognitive Aging and Alzheimer's Disease <i>Alberto R. Ramos, MD, MS</i>
NEUROPSYCHOLOGICAL DISORDERS Moderator: <i>Bonnie E. Levin, PhD</i>		4:55-5:00 PM	Q&A
11:40-12:00 PM	Factors Underlying Acute and Persisting Neurocognitive Concerns Following Mild Traumatic Brain Injury <i>Mitchell Slugh, PhD</i>	5:00-5:25 PM	Update on REM-Related Parasomnias <i>Eric Geil, MD</i>
12:00-12:20 PM	Specific Psychotherapeutic Considerations for Patients with Neurological Conditions <i>Katalina Fernández McInerney, PhD</i>	5:25-5:30 PM	Q&A
		5:30 PM	Adjourn

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AGENDA FRIDAY, MARCH 1, 2024

MOVEMENT DISORDERS / COGNITIVE DISORDERS / NEUROPSYCHOLOGICAL DISORDERS / GENERAL NEUROLOGY

7:00-7:55 AM Registration Check-In and Breakfast

7:55-8:00 AM Welcome and Movement Disorders Introduction
Ihtsham ul Haq, MD

MOVEMENT DISORDERS

Moderator: Ihtsham ul Haq, MD, FAAN

8:00-8:25 AM Parkinson's Disease: Potential Side Effects of Standard of Care and Advanced Therapies
Carlos Singer MD

8:25-8:50 AM A Pragmatic Approach to Ataxia
Jason Margolesky, MD

8:50-9:15 AM An Update on Non-Parkinsonian Movement Disorders
Henry Moore, MD

9:15-9:40 AM A Practical Approach to Diagnosis: Movement Case Studies
Matthew Feldman, MD, Sarah Marmol, MD, Taylor Peabody, MD

9:40-10:00 AM Q&A and Discussion
Ihtsham ul Haq, MD, Jason Margolesky, MD, Henry Moore, MD, Carlos Singer, MD

10:00-10:30 AM Coffee and Visit Exhibits

COGNITIVE DISORDERS

Moderator: James E. Galvin, MD, MPH

10:30-11:00 AM The UM Brain Endowment Bank: One Deposit, Many Returns
Xiaoyan Sun, MD, PhD

11:00-11:30 AM Neurobehavioral Markers of Brain Health and Dementia
Michael J. Kleiman, PhD

11:30-11:50 AM Alzheimer's Disease Mimics and Variants
Deirdre O'Shea, PhD

11:50-12:10 PM The Future is Now: A Critical Review of New Therapies and Diagnostics
James E. Galvin, MD, MPH

12:10-12:30 PM Questions & Answers
James E. Galvin, MD, MPH, Michael J. Kleiman, PhD, Deirdre O'Shea, PhD, Xiaoyan Sun, MD, PhD

12:30-1:30 PM Buffet Lunch

EPILEPSY

Roundtable Discussions – Autoimmune Epilepsy:
A Commonly Unrecognized Type of Epilepsy

Moderator: Andres M. Kanner, MD

1:30-1:40 PM Three Typical Manifestations of Autoimmune Epilepsy
Carlos Millan, MD

1:40-2:10 PM Epileptic Seizures Associated with Autoimmune Encephalitis vs. Autoimmune Epilepsy: How to Reach the Correct Diagnosis
Manuel Melo Bicchi, MD, Enrique A. Serrano, MD, Raquel Maria Lopez, MD

2:10-2:30 PM Status Epilepticus Caused by Autoimmune Encephalitis: Does It Differ From Other Forms of Status Epilepticus?
Kamil Detyniecki, MD, Ramses Ribot, MD, Marcela Coutts, MD

2:30-3:00 PM Treatment Strategies: Immunotherapy? Antiseizure Medications? Epilepsy Surgery?
Leticia Tornos, MD, Naymee Velez-Ruiz, MD

3:00-3:30 PM Coffee Break and Visit Exhibits

GENERAL NEUROLOGY

Moderator: Andrew Brown, MD

3:30-3:50 PM An Interesting Case Presentation: Creutzfeldt-Jakob Disease (CJD)
Agnes Supala Berger, MD

3:50-4:10 PM Evaluation and Management of Low Back Pain
Alberto Martinez-Arizala, MD

4:10-4:30 PM Neurology in the Era of Chat-GPT
Konstantin Stojanovic, MD

4:30-4:50 PM Broadening Horizons: Idiopathic Intracranial Hypertension's Evolving Landscape
Hong Jiang, MD

4:50-5:10 PM Traumatic Brain Injury's (TBI) Perspective Discussion: A Series of Cases for the General Neurologist
Abraham Andres Chileuitt, MD

5:10 PM Adjourn

NEUROLOGY UPDATE & STROKE INTENSIVE REVIEW



AGENDA
SATURDAY, MARCH 2, 2024

STROKE INTENSIVE REVIEW SEMINAR

7:00-7:55 AM Registration Check-In and Breakfast

7:55-8:00 AM **Welcome**
Sebastian Koch, MD

ACUTE STROKE TREATMENT:

8:00-8:30 AM **Patient Selection for Intravenous Thrombolysis**
Jose G. Romano, MD

8:30-9:00 AM **Patient Selection for Mechanical Thrombectomy**
Gillian L. Gordon Perue, MD

9:00-9:30 AM **Large Core Infarction**
Dileep R. Yavagal, MD

9:30-10:00 AM **Managing Cerebral Vein and Dural Sinus Thrombosis**
Negar Asdaghi, MD, MSc

10:00-10:10 AM **Q&A**

10:10-10:30 AM **Coffee Break and Visit Exhibits**

SPECIAL TOPICS IN STROKE

10:30-11:15 AM **Keynote Presentation: Intracranial Stenosis: Between the Scylla and Charybdis**
Shyam Prabhakaran, MD, MS

11:15-11:25 AM **Q&A**

11:25-12:05 PM **Small Vessel Disease**
Victor del Brutto, MD

12:05-12:45 PM **Stroke Treatment Roundtable**
Moderator: Abiezer Rodriguez, MD
Discussants: Negar Asdaghi, MD, MSc, Victor del Brutto, MD, Gillian L. Gordon Perue, MD, Sebastian Koch, MD, Shyam Prabhakaran, MD, MS, Jose G. Romano, MD, Dileep R. Yavagal, MD

12:45-1:30 PM **Lunch**

HEMORRHAGIC AND NEURO-INTENSIVE STROKE

1:30-2:00 PM **Cortical Subarachnoid Hemorrhage**
Sebastian Koch, MD

2:00-2:30 PM **Code ICH: Time-Based Approach to Acute Care**
Kristine O'Phelan, MD

2:30-3:00 PM **The 2023 Updates on Subarachnoid Hemorrhage**
Mohan Kotapally, MD

3:00-3:10 PM **Q&A**

3:10-3:30 PM **Coffee Break and Visit Exhibits**

3:30-4:00 PM **Minimally Invasive Intracerebral Hemorrhage Evacuation**
Carolina Benjamin, MD

4:00-4:30 PM **The AAN 2023 Updated Guidelines for Determining Brain Death**
Nina Massad, MD

SPECIAL STROKE SYNDROMES

4:30-4:50 PM **Anticoagulating the Challenging Atrial Fibrillation Patient**
Nicole Sur, MD

4:50-5:10 PM **Cervical Artery Dissection**
Erika Marulanda, MD, MS

5:10-5:20 PM **Q&A**

5:20-5:25 PM **Closing Remarks**
Sebastian Koch, MD

5:25 PM **Conference Adjourns.**

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HOTEL



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RESERVATIONS

Room reservations will be made by individual attendees by clicking on the following direct link to online reservations at the hotel or call **1-844-275-1722 by Monday, January 29, 2023.**

For online reservations, click on: [Neurology Update 2024](#)
All reservations must be received by the hotel no later than **Monday, January 29, 2023.** All individual reservations must be accompanied by a first night room deposit or guaranteed with a major credit card. The hotel will not hold any reservations unless secured by one of the above methods.

Reservations:

1-844-275-1722

For online reservations, click on: [Neurology Update 2024](#).

SPECIAL CONFERENCE RATE

A block of rooms has been reserved for conference participants at a discounted rate:

- **US \$359/night** 13% tax/day for Standard Single or Double

A daily Hotel Service Fee of \$25/room per night, plus tax will be added to each individual room and includes:

- Premium WIFI Internet for up to 4 Devices in Guestrooms and Public Spaces
- Two (2) Bottles of Water Per Stay
- \$10 Uber Credit Per Stay
- One Hour Daily Bike Rental
- Focal Point Photography Session with One Complimentary Branded Picture (reservations required)

The rate is guaranteed only until Monday, January 29, 2024 based on availability. The hotel extends the group rate 3 days pre- and post-conference dates based on availability. After this date, reservation requests will be considered on a space-available basis.

PARKING RATES

- **Valet Overnight Parking:** \$36.00/night with in and out privileges
- **Daily Parking:** \$18/day Valet and Self-Parking (no in/out privileges, NOT valid for guests staying overnight at the hotel)
- **EV Charge Fee:** \$15.00 (per charge & in addition to standard parking rates)

NEUROLOGY UPDATE & STROKE INTENSIVE REVIEW

5 YEARS 1967 - 2024

REGISTRATION

TO REGISTER: Visit www.cme.med.miami.edu to register online.

TUITION**

FULL CONFERENCE: Includes all 3 days, Stroke Seminar and meals

	By 2/9/2024	After 2/9/2024	Onsite
<input type="checkbox"/> Physicians-MDs/DOs (Non-UM/JMH)	\$750	\$850	\$90
<input type="checkbox"/> Fellows (Non-UM/JMH)	\$150	\$250	\$300
<input type="checkbox"/> Residents (Non-UM/JMH)	\$150	\$250	\$300
<input type="checkbox"/> Nurse Practitioners (Non-UM/JMH)	\$250	\$350	\$400
<input type="checkbox"/> Nurses/RNs (Non-UM/JMH)	\$200	\$300	\$350
<input type="checkbox"/> Allied Healthcare Professionals	\$200	\$300	\$350
<input type="checkbox"/> Researchers	\$400	\$500	\$550
<input type="checkbox"/> Medical Students (w/Proof of Student ID)	\$50	\$100	\$150
<input type="checkbox"/> Industry Representatives	\$1,200	\$1,500	\$1,600

DAILY RATES: APPLIES ONLY TO NON-UM/JMH Physicians – MDs/DOs (non-UM/JMH)

	By 2/9/2024	After 2/9/2024	Onsite
<input type="checkbox"/> Thursday, 2/29/2024	\$275.00	\$325.00	\$400.00
<input type="checkbox"/> Friday, 3/1/2024	\$275.00	\$325.00	\$400.00

UNIVERSITY OF MIAMI FACULTY/STAFF

	By 2/9/2024	After 2/9/2024	Onsite
<input type="checkbox"/> UM/JMH Physicians-MDs/DOs	\$95	\$145	\$195
<input type="checkbox"/> UM/JMH Fellows	\$75	\$125	\$175
<input type="checkbox"/> UM/JMH Residents	\$75	\$125	\$175
<input type="checkbox"/> UM/JMH ARNPs/Nurses	\$65	\$115	\$165
<input type="checkbox"/> UM/JMH Researchers	\$75	\$125	\$175
<input type="checkbox"/> UM/JMH Allied Healthcare	\$50	\$100	\$150

STROKE SEMINAR (Saturday)

	By 2/9/2024	After 2/9/2024	Onsite
<input type="checkbox"/> Physicians-MDs/DOs (Non-UM/JMH)	\$390	\$490	\$510
<input type="checkbox"/> Fellows (Non-UM/JMH)	\$75	\$150	\$175
<input type="checkbox"/> Residents (Non-UM/JMH)	\$50	\$100	\$150
<input type="checkbox"/> Nurses/RNs (Non-UM/JMH)	\$100	\$200	\$250
<input type="checkbox"/> Researchers	\$250	\$350	\$400
<input type="checkbox"/> Allied Healthcare Professionals	\$100	\$200	\$250

30% Discount available for groups of 10+ for entire 3-day program or stroke seminar day

**Continental Breakfast, coffee breaks, lunch and syllabus are included in Registration fee.

How did you hear about this program?

☐ Brochure ☐ Email ☐ Colleague ☐ Flyer/Announcement ☐ Social Media ☐ Website ☐ Other _____

REGISTRATION CANCELLATION POLICY

Refunds will be made only if written notice of cancellation is received prior to January 29, 2024. A \$100 fee is charged for all refunds. After this date, no refunds will be made. In cases where a course is cancelled due to insufficient registrations, a full tuition refund will be made.

CONFIRMATION OF REGISTRATION

A confirmation email will be generated upon your successful online registration. Please print this confirmation for your records.

FOR MORE INFORMATION, CONTACT

Mirvin Diaz, Senior CME Coordinator

Division of Continuing Medical Education

University of Miami Miller School of Medicine

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