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
AT THE LOEWS CORAL GABLES HOTEL
Registration and information: www.cme.med.miami.edu

Sponsored by:
UNIVERSITY OF MIAMI HEALTH SYSTEM
MILLER SCHOOL OF MEDICINE
Presented by: Department of Neurology
**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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UHealth Sports Medicine Concussion Program

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Department of Neurology
The University of Chicago Medicine
Chicago, IL

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Division of Neurocritical Care, Department of Neurology
Associate Director, Department of Neurology Residency Program
UHealth Sports Medicine Concussion Program
7:00-8:00 AM  Registration sign-in and Breakfast
7:55-8:00 AM  Welcome and Introductory Remarks
              Andres M. Kanner, MD

MULTIPLE SCLEROSIS
Moderator: Flavia Nelson, MD

8:00-8:20 AM  Update on Neurofilament Light Chain (NFL) as a Biomarker of Multiple Sclerosis (MS) Activity
              Micheline McCarthy, MD, PhD

8:20-8:40 AM  Novel Imaging Modalities for Evaluation of MS Progression
              Ramon Flores Gonzalez, MD

8:40-9:00 AM  Novel Therapeutic Approaches in MS
              Kottil W. Rammohan, MD

9:00-9:20 AM  Clinical Case Discussion: Multiple Sclerosis
              Stephanie Caceres Picon, MD

9:20-9:30 AM  Discussion and Q&A — Multiple Sclerosis
              Ramon Flores Gonzalez, MD, Micheline McCarthy, MD, PhD, Flavia Nelson, MD, Stephanie Caceres Picon, MD, Kottil W. Rammohan, MD

9:30-10:00 AM Coffee and Visit Exhibits

NEUROMUSCULAR DISEASES
Moderator: Mario A. Saporta, MD, PhD, MBA

10:00-10:20 AM New Treatments for Myasthenia Gravis
               Olimpia Carbunar, MD, MS

10:20-10:40 AM Current Management of Spinal Muscular Atrophy
               Mario A. Saporta, MD, PhD, MBA

10:40-11:00 AM Evaluation and Management of TTR–Familial Amyloid Polyneuropathy
               Nathan Carberry, MD

11:00-11:40 AM Neuromuscular Cases and Q&A
               Nathan Carberry, MD, Olimpia Carbunar, MD, MS, Mario A. Saporta, MD, PhD, MBA, Ayman Shahein, MD

NEUROPSYCHOLOGICAL DISORDERS
Moderator: Bonnie E. Levin, PhD

11:40-12:00 PM Factors Underlying Acute and Persisting Neurocognitive Concerns Following Mild Traumatic Brain Injury
               Mitchell Slugh, PhD

12:00-12:20 PM Specific Psychotherapeutic Considerations for Patients with Neurological Conditions
               Katalina Fernandez McInerney, PhD

12:20-12:40 PM Relationship Between Structural and Functional Changes In Temporal Lobe Epilepsy
               Gustavo Rey, PhD

12:40-1:00 PM Health Disparities in Sleep And Cognition
               Sonya Kaur, PhD

1:00-1:10 PM Diagnostic Dilemmas and Challenging Differential Diagnoses
              Annelly Bure-Reyes, PhD

1:10-2:00 PM Buffet Lunch

HEADACHE AND MIGRAINE
Moderator: Teshamae Monteith, MD

2:00-2:20 PM Refining Approaches to Acute Migraine Management
              Teshamae Monteith, MD

2:20-2:40 PM Redefining Successful Migraine Prevention
              Alexandra Cocores, MD

2:40-3:00 PM Clinical Pearls for Complex Headache Disorders
              Liza Smirnoff, MD

3:00-3:30 PM Panel Discussion: Migraine and Headache Treatment
              Alexandra Cocores MD, Teshamae Monteith, MD, Liza Smirnoff, MD

3:30-4:00 PM Coffee Break and Visit Exhibits

SLEEP DISORDERS
Moderator: Salim Dib, MD

4:00-4:25 PM Advances in Neurostimulation for Sleep Apnea
              Maria V. Suurna, MD

4:25-4:30 PM Q&A

4:30-4:55 AM Sleep in Cognitive Aging and Alzheimer’s Disease
              Alberto R. Ramos, MD, MS

4:55-5:00 PM Q&A

5:00-5:25 PM Update on REM-Related Parasomnias
              Eric Geil, MD

5:25-5:30 PM Q&A

5:30 PM Adjourn
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

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
               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 Tornes, 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
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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tr>
<td>7:00-7:55 AM</td>
<td>Registration Check-In and Breakfast</td>
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<td>7:55-8:00 AM</td>
<td>Welcome</td>
<td>Sebastian Koch, MD</td>
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<td>ACUTE STROKE TREATMENT:</td>
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<td>8:00-8:30 AM</td>
<td>Patient Selection for Intravenous Thrombolysis</td>
<td>Jose G. Romano, MD</td>
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<td>8:30-9:00 AM</td>
<td>Patient Selection for Mechanical Thrombectomy</td>
<td>Gillian L. Gordon Perue, MD</td>
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<td>9:00-9:30 AM</td>
<td>Large Core Infarction</td>
<td>Dileep R. Yavagal, MD</td>
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<td>9:30-10:00 AM</td>
<td>Managing Cerebral Vein and Dural Sinus Thrombosis</td>
<td>Negar Asdaghi, MD, MSc</td>
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<td>Q&amp;A</td>
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<td>SPECIAL TOPICS IN STROKE</td>
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<td>10:30-11:15 AM</td>
<td>Keynote Presentation: Intracranial Stenosis: Between the Scylla and Charybdis</td>
<td>Shyam Prabhakaran, MD, MS</td>
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<td>11:15-11:25 AM</td>
<td>Q&amp;A</td>
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<td>11:25-12:05 PM</td>
<td>Small Vessel Disease</td>
<td>Victor del Brutto, MD</td>
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<td>12:05-12:45 PM</td>
<td>Stroke Treatment Roundtable</td>
<td>Moderator: Abiezer Rodriguez, MD, Discussants: Negar Asdaghi, MD, Gillian L. Gordon Perue, MD, Sebastian Koch, MD, Shyam Prabhakaran, MD, MS, Jose G. Romano, MD, Dileep R. Yavagal, MD</td>
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<td>12:45-1:30 PM</td>
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<td>HEMORRHAGIC AND NEURO-INTENSIVE STROKE</td>
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<td>1:30-2:00 PM</td>
<td>Cortical Subarachnoid Hemorrhage</td>
<td>Sebastian Koch, MD</td>
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<td>2:00-2:30 PM</td>
<td>Code ICH. Time-Based Approach to Acute Care</td>
<td>Kristine O'Phelan, MD</td>
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<td>2:30-3:00 PM</td>
<td>The 2023 Updates on Subarachnoid Hemorrhage</td>
<td>Mohan Kotapally, MD</td>
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<td>3:00-3:10 PM</td>
<td>Q&amp;A</td>
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<td>Coffee Break and Visit Exhibits</td>
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<td>3:30-4:00 PM</td>
<td>Minimally Invasive Intracerebral Hemorrhage Evacuation</td>
<td>Carolina Benjamin, MD</td>
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<td>4:00-4:30 PM</td>
<td>The AAN 2023 Updated Guidelines for Determining Brain Death</td>
<td>Nina Massad, MD</td>
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<td>SPECIAL STROKE SYNDROMES</td>
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<td>4:30-4:50 PM</td>
<td>Anticoagulating the Challenging Atrial Fibrillation Patient</td>
<td>Nicole Sur, MD</td>
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<td>Cervical Artery Dissection</td>
<td>Erika Marulanda, MD, MS</td>
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<td>5:10-5:20 PM</td>
<td>Q&amp;A</td>
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<td>5:20-5:25 PM</td>
<td>Closing Remarks</td>
<td>Sebastian Koch, MD</td>
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LOEWS CORAL GABLES HOTEL
2950 Coconut Grove Drive
Coral Gables, 33134
Phone: 786-772-7600

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

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<td>Medical Students</td>
<td>$1,200</td>
<td>$1,500</td>
<td>$1,600</td>
</tr>
<tr>
<td>Industry Representatives</td>
<td>$1,200</td>
<td>$1,500</td>
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</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>By 1/29/2024</th>
<th>After 1/29/2024</th>
<th>Onsite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday, 2/29/2024</td>
<td>$275.00</td>
<td>$325.00</td>
<td>$400.00</td>
</tr>
<tr>
<td>Friday, 3/1/2024</td>
<td>$275.00</td>
<td>$325.00</td>
<td>$400.00</td>
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<tr>
<td>Saturday, 3/2/2024</td>
<td>$275.00</td>
<td>$325.00</td>
<td>$400.00</td>
</tr>
</tbody>
</table>

*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.

### UNIVERSITY OF MIAMI FACULTY/STAFF (with Proof of UM C#) – request discount code by emailing cme@med.miami.edu

<table>
<thead>
<tr>
<th></th>
<th>By 1/29/2024</th>
<th>After 1/29/2024</th>
<th>Onsite</th>
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</thead>
<tbody>
<tr>
<td>UM/JMH Physicians-MDs/DOs</td>
<td>$95</td>
<td>$145</td>
<td>$195</td>
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<tr>
<td>UM/JMH Fellows</td>
<td>$75</td>
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<td>$175</td>
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<tr>
<td>UM/JMH Residents</td>
<td>$75</td>
<td>$125</td>
<td>$175</td>
</tr>
<tr>
<td>UM/JMH ARNPs/Nurses</td>
<td>$65</td>
<td>$115</td>
<td>$165</td>
</tr>
<tr>
<td>UM/JMH Researchers</td>
<td>$75</td>
<td>$125</td>
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</tr>
<tr>
<td>UM/JMH Allied Healthcare</td>
<td>$50</td>
<td>$100</td>
<td>$150</td>
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</table>

### STROKE SEMINAR (Saturday)

<table>
<thead>
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<th>Onsite</th>
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</thead>
<tbody>
<tr>
<td>Physicians-MDs/DOs</td>
<td>$390</td>
<td>$490</td>
<td>$510</td>
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<tr>
<td>Fellows (Non-UM/JMH)</td>
<td>$75</td>
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</tr>
<tr>
<td>Residents (Non-UM/JMH)</td>
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<td>$100</td>
<td>$150</td>
</tr>
<tr>
<td>Nurses/RNs (Non-UM/JMH)</td>
<td>$100</td>
<td>$200</td>
<td>$250</td>
</tr>
<tr>
<td>Researchers</td>
<td>$250</td>
<td>$350</td>
<td>$400</td>
</tr>
</tbody>
</table>

### 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
Tel: 305-243-8386 / mirvindiaz@med.miami.edu
cme@med.miami.edu