2023 Neurology Update: A Comprehensive Review for the Clinician
August 11–13, 2023 | The Ritz-Carlton, Washington, D.C.

Featuring up to 17 CME credits
ABPN-Approved for Self-Assessment Credits

FEATURED TOPICS
- ATTR Amyloidosis
- Autoimmune Encephalitis
- Dementia
- Epilepsy
- Migraine/Headache
- Multiple Sclerosis
- Myasthenia Gravis
- Neuro-Oncology
- Neuro-Ophthalmology
- Neuroradiology
- PD/Movement Disorders
- Shunt Valves
- Stroke
- Vestibular Schwannoma
- Women’s Neurology

ccfcme.org/NeuroUpdate
ABOUT THE COURSE

Welcome to the 14th Annual Cleveland Clinic Neurology Update. On behalf of the Neurological Institute at the Cleveland Clinic we would like to welcome you to our annual course and hope you find it valuable in your continuing care of patients with neurological disease. We are excited to bring you our second hybrid meeting that is a clinically focused review course with updated information on a broad range of neurological conditions. We have incorporated smaller group breakout sessions for a more connected interaction and experience. The three breakouts will focus on neuro-ophthalmology, multiple sclerosis and PD/movement disorders. All course participants will have a chance to attend each session.

This year we will discuss diagnosis and management of ATTR Amyloidosis, autoimmune encephalitis, and myasthenia gravis. We will continue to include presentations on stroke updates, epilepsy (ASMs), migraine/headache, dementia, and neuroradiology (brain and spine). The course will also address neuro-oncology, women’s neurology, shunt valves, and vestibular schwannoma. Our interactive course will allow time for Q&A after each lecture and we will encourage active participation using the audience response/polling system to incorporate a self-assessment where you will see how your answer choices compare to your peers.

The course will also continue to offer CME Self-Assessment credits approved by the American Board of Psychiatry and Neurology for Maintenance of Certification mandated by ABMS.

We hope this course adds to your knowledge base and enhances patient care. We look forward to learning with you during this course!

Glen Stevens, DO, PhD, FAAN
Course Co-Director

Robert Marquardt, DO
Course Co-Director

TARGET AUDIENCE

This course is directed towards neurologists, internists and family practice physicians, advanced practice providers including PAs and NPs, nurses and others involved in the diagnosis and treatment of neurological disorders.

Objectives

Upon completion of this activity, the participant will be able to:
• Discuss advances in acute stroke care including prevention and treatment.
• Describe the diagnosis and management of ATTR amyloidosis.
• Summarize advances in epilepsy medications and treatments and describe their best use in clinical practice.
• Apply current migraine headache management strategies to individual cases.
• Review the recent research on multiple sclerosis and its impact on clinical practice.
• Summarize research on neurologic-associated dementia.
• Recognize, diagnose, and manage various neurologic disorders including autoimmune encephalitis, myasthenia gravis, PD/movement disorders, neuro-oncology, and women’s neurology.
• Describe recent technologic innovations in radiologic imaging and neuroradiology, with a review of both brain and spine cases.
• Discuss basics of CNS shunts and vestibular schwannoma.
Faculty

CLEVELAND CLINIC COURSE CO-DIRECTORS

Glen Stevens, DO, PhD, FAAN
Section Head, Adult Neuro-Oncology
Rose Ella Burkhardt Brain Tumor and Neuro-Oncology Center
Neurological Institute

Robert Marquardt, DO
Assistant Professor, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
Staff, Neuromuscular Center
Neurological Institute

CLEVELAND CLINIC FACULTY

Justin Abbatemarco, MD
Assistant Professor, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
Staff, Mellen Center for Multiple Sclerosis
Neurological Institute

Devon Cohen, MD
Clinical Assistant Professor, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
Staff, Neuro-Ophthalmology
Cole Eye Institute

Todd Emch, MD
Assistant Professor, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
Staff, Diagnostic Radiology
Imaging Institute

Hubert H. Fernandez, MD
Professor, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
Director, Center for Neurological Restoration
Neurological Institute

Jessica Fesler, MD, MEd
Assistant Professor, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
Staff, Epilepsy Center
Neurological Institute

M. Shazam Hussain, MD
Professor, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
Director, Cerebrovascular Center
Neurological Institute

Susan Jakubek, MPAS, MBA, PA-C
Rose Ella Burkhardt Brain Tumor and Neuro-Oncology Center
Neurological Institute

Caroline Just, MD
Clinical Assistant Professor, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
Staff, Center for General Neurology
Neurological Institute

Maria Kamvouris, MSN, APRN, CNP
Rose Ella Burkhardt Brain Tumor and Neuro-Oncology Center
Neurological Institute

Yuebing Li, MD, PhD
Professor, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
Staff, Neuromuscular Center
Neurological Institute

Marisa McGinley, DO
Assistant Professor, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
Staff, Mellen Center for Multiple Sclerosis
Neurological Institute

David Peereboom, MD
Professor, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
Director, Clinical Research, Rose Ella Burkhardt Brain Tumor and Neuro-Oncology Center
Neurological Institute

Aarushi Suneja, MD
Clinical Assistant Professor, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
Fellowship Program Director, Headache and Facial Pain Center for Neurological Restoration
Neurological Institute

Babak Tousi, MD
Associate Professor, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
Head, Clinical Trials Program
Lou Ruvo Center for Brain Health – Cleveland Neurological Institute

PLANNING COMMITTEE

Glen Stevens, DO, PhD, FAAN
Robert Marquardt, DO

Susan Jakubek, MPAS, MBA, PA-C
Maria Kamvouris, MSN, APRN, CNP
FRIDAY, AUGUST 11, 2023 • EASTERN TIME

7:00 am  Registration/Continental Breakfast/Exhibits/Self-Assessment Paper Pre-Test
8:00 am  Introduction: Glen Stevens & Robert Marquardt – SALON I
8:10 am  Stroke Updates over the Past Year – M. Shazam Hussain
8:50 am  Stroke Cases – M. Shazam Hussain
9:10 am  Diagnosis and Management of ATTR Amyloidosis – Robert Marquardt
9:50 am  Refreshment Break & Exhibits – SALON II
10:10 am Migraine/Headache – Aarushi Suneja
10:50 am Headache Management Cases – Aarushi Suneja
11:30 am Historical Vignette and Panel Discussion/Q&A
          Glen Stevens, Robert Marquardt, M. Shazam Hussain, Aarushi Suneja
12:00 pm Buffet Lunch – SALON II
1:00 pm  Epilepsy: Review of Newer Anti-Seizure Medications (ASMs) – Jessica Fesler
1:50 pm  Epilepsy Cases – Jessica Fesler
2:30 pm  Epilepsy Q&A – Jessica Fesler
2:40 pm  Refreshment Break & Exhibits – SALON II
3:00 pm  Neuro Jeopardy – Glen Stevens and Robert Marquardt
4:05 pm  Adjourn

ABPN SELF-ASSESSMENT

The American Board of Psychiatry and Neurology has reviewed the 2023 Neurology Update – A Comprehensive Review for the Clinician and has approved this program as part of a comprehensive Self-Assessment activity which is mandated by the ABMS as a necessary component of continuing certification. Approved for 17 Category 1 CME credits for Self-Assessment.

You will be sent a PDF of the pre-test via email prior to the course to complete as your self-assessment. The answers to the test questions will be addressed during the lectures using the Audience Response/Polling System.
SATURDAY, AUGUST 12, 2023 • EASTERN TIME

7:30 am  Registration/Continental Breakfast/Exhibits

Interactive Case-based Breakout Sessions
In-person attendees will be assigned to a room and the speakers will rotate through discussing each topic below.

**TOPICS:**
- **Neuro-Ophthalmology Cases:** Devon Cohen
- **Multiple Sclerosis Management Cases:** Marisa McGinley
- **PD/Movement Disorders Management Cases:** Hubert Fernandez

8:00 am  Breakout Session Introductions: General Session Room
Glen Stevens & Robert Marquardt – SALON I

8:10 am  Breakout Session 1

9:10 am  Breakout Session 2

10:10 am  Refreshment Break: SALON II

10:30 am  Breakout Session 3

11:30 am  Audience Response / Questions & Answers from Breakout Sessions
Devon Cohen, Marisa McGinley, Hubert Fernandez – SALON I

11:50 am  Buffet Lunch: SALON II

12:50 pm  Dementia Update – Babak Tousi

1:30 pm  Dementia Cases – Babak Tousi

2:10 pm  Refreshment Break & Exhibits: SALON II

2:30 pm  Autoimmune Encephalitis – Justin Abbatemarco

3:10 pm  Update on the Treatment of Myasthenia Gravis – Yuebing Li

3:50 pm  Historical Vignette and Panel Discussion/Q&A
Glen Stevens, Robert Marquardt, Babak Tousi, Justin Abbatemarco, Yuebing Li

4:20 pm  Adjourn

SUNDAY, AUGUST 13, 2023 • EASTERN TIME

7:30 am  Registration/Continental Breakfast/Exhibits

8:00 am  Neuro-Oncology – David Peereboom

8:40 am  Women’s Neurology and Neuro-Obstetrics – Caroline Just

9:20 am  Common Programmable Shunt Valves: Identification and Interpretation
Susan Jakubek

9:40 am  Overview of Vestibular Schwannoma – Maria Kamvouris

10:00 am  Refreshment Break & Exhibits

10:20 am  Neuroradiology: Brain Cases – Todd Emch

11:00 am  Neuroradiology: Spine Cases – Todd Emch

11:40 am  Historical Vignette and Panel Discussion/Q&A
Glen Stevens, Robert Marquardt, David Peereboom, Caroline Just, Susan Jakubek, Maria Kamvouris, Todd Emch

12:00 pm  Adjourn
General Information

LOCATION
The Ritz-Carlton, Washington, D.C. | Phone: 202.835.0500
1150 22nd Street, NW, Washington, DC 20037

HOTEL ACCOMMODATIONS
A block of rooms has been reserved at The Ritz-Carlton, Washington, D.C. To make your reservation, contact the hotel directly at 202.835.0500 or 1.800.558.9994 and mention the “Cleveland Clinic Neurology Update” to receive the special rate of $275 per night plus tax. You may also make your reservation online at www.ritzcarlton.com using code CCFFCFA (Single) or CCFFCFD (Double). To secure the course rate, you must make your reservation by Monday, July 24, 2023.

The Ritz-Carlton is:
• 40 minutes east of Dulles International Airport
• 10 minutes (4.2 miles) north of Ronald Reagan Washington National Airport
• 10 minutes from the White House, the Smithsonian museums and many other historic sites

PARKING
Discounted parking is available at The Ritz-Carlton, Washington, D.C. for a special course rate of $40.00 for overnight valet and $30.00 for day valet parking (up to 12 hours). A self-parking garage is also available at the hotel and rates vary.

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 17 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Participants claiming CME credit from this 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 17 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 17 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

American Academy of Family Physicians (AAFP): Application for CME credit has been filed with the American Academy of Family Physicians. Determination of credit 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.

INFORMATION
For further information about this activity, contact Shana Spade at Phone: 216.444.9380 or 800.223.2273 x49380 Email: spades@ccf.org
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.

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.

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 or spades@ccf.org at least two weeks prior to the activity.

Preregistrations are accepted online until 5:00 PM ET, Wednesday, August 2, 2023. To register after this date, please do so onsite. In case of cancellation, a full refund will be made if canceled by July 24, 2023. After July 24, 2023, a $50 cancellation fee will be deducted from your refund. NO REFUNDS WILL BE ISSUED AFTER AUGUST 7, 2023. Written notification of your cancellation is required in order to process your refund.

For questions about registering online, 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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