2018 Neurology Update –
A Comprehensive Review for the Clinician

Featuring Self-Assessment Examination

OBTAIN YOUR ENTIRE YEAR’S ABPN SAE REQUIREMENT FOR MAINTENANCE OF CERTIFICATION (MOC) BY ATTENDING THIS CONFERENCE

August 3-5, 2018
The Ritz-Carlton, Washington DC

www.ccfcme.org/NeuroUpdate18
Welcome to the 9th 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 continue to modify the course based in large part on changes in the field and evaluations from prior participants. We encourage our speakers to use a case-based approach and to focus on clinically meaningful information. Once again this year we have incorporated smaller group breakout sessions for a more connected interaction and experience. The 3 breakouts will focus on headache management, movement disorders, and multiple sclerosis. All course participants will have a chance to attend each session, but the breakout method will allow more give-and-take with the speakers. The course will also continue to offer Self-Assessment credits approved by the American Board of Psychiatry and Neurology for Maintenance of Certification mandated by ABMS.

This year we have included key areas in neurology including topics in stroke (including endovascular approaches), epilepsy (including surgical management), brain tumor, dementia (including biomarkers), back pain and neuromuscular syndromes (including myasthenia gravis and chronic inflammatory demyelinating polyradiculoneuropathy). New this year will be CNS infections, neuroradiology of the brain and spine, and cases from the consult service. Also new this year will be strategies for neuromodulation. Make sure you bring all your knowledge for Neuro Jeopardy and the always interesting historical vignettes.

Alex Rae-Grant, MD, FRCP(C), FAAN
Glen Stevens, DO, PhD, FAAN
Course Co-Director  Course Co-Director

Target Audience
This course is directed towards neurologists, internists and family practice physicians, physician assistants, nurses and others involved in the diagnosis and treatment of neurological disorders.

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

- Describe the impact of recent evidence on MS disease management strategies.
- Summarize the most recent approaches to diagnosis and treatment of various dementias.
- Summarize outcomes data on various surgical treatments for epilepsy and how they fit into clinical management strategies.
- Identify the neuroradiology innovations that have the potential to improve identification of brain and spinal cord malformations.
- Critically appraise treatment-related data for various neurologic disorders and describe their implications for clinical practice.
- Describe the most promising research findings on adult-onset hydrocephalus and identify their potential clinical implications.
Cleveland Clinic Course Co-Directors

Alex Rae-Grant, MD, FRCP(C), FAAN
Clinical Associate Professor
Cleveland Clinic Lerner College of Medicine
Mellen Center for Multiple Sclerosis Treatment and Research
Neurological Institute

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

Guest Faculty

Jeffrey S. Ross, MD
Department of Radiology
Mayo Clinic
Phoenix, AZ

Cleveland Clinic Faculty

Zubair Ahmed, MD
Staff, Headache Medicine
Center for Neurological Restoration
Neurological Institute

Hubert Fernandez, MD
Professor
Cleveland Clinic Lerner College of Medicine
Director, Center for Neuro-Restoration
Neurological Institute

M. Shazam Hussain, MD
Associate Professor
Cleveland Clinic Lerner College of Medicine
Director, Cerebrovascular Center
Staff, Vascular Neurology and Endovascular Surgical Neuroradiology
Neurological Institute

Carlos Isada, MD
Staff, Infectious Disease
Medicine Institute
Staff, Clinical Pathology
Pathology and Laboratory Medicine Institute

Yuebing Li, MD, PhD
Associate Professor
Cleveland Clinic Lerner College of Medicine
Staff, Neuromuscular Center
Neurological Institute

Sean Nagel, MD
Assistant Professor
Cleveland Clinic Lerner College of Medicine
Staff, Center for Neuro-Restoration
Neurological Institute

Vineet Punia, MD, MS
Associate Staff
Epilepsy Center
Neurological Institute

Mary Rensel, MD, ABIHM
Assistant Professor
Cleveland Clinic Lerner College of Medicine
Staff, Mellen Center for Multiple Sclerosis Treatment and Research
Neurological Institute

Dylan Wint, MD
NV Energy Chair for Brain Health Education
Cleveland Clinic Lou Ruvo Center for Brain Health – Las Vegas
Neurological Institute
Friday, August 3, 2018

7:00 am  Registration/Continental Breakfast/Exhibits/SAE Paper Pre-Test

SAE Paper Pre-Test – written test only for those pursuing SAE credit who did not complete the online pre-test prior to the conference

8:00 am  Introduction – Alex Rae-Grant & Glen Stevens – SALON I

8:10 am  TIA and Stroke – M. Shazam Hussain

8:50 am  Endovascular Approaches to Stroke – M. Shazam Hussain

9:10 am  CNS Infections – Carlos Isada

9:50 am  Refreshment Break & Exhibits

10:10 am  Management of Myasthenia Gravis: A Case Based Approach
            Yuebing Li

10:50 am  Chronic Inflammatory Demyelinating Polyneuropathy: A General Overview – Yuebing Li

11:30 am  Historical Vignette and Panel Discussion/Q&A: Alex Rae-Grant,
            Glen Stevens, M. Shazam Hussain, Carlos Isada and Yuebing Li

12:00 pm  Buffet Lunch – SALON II

1:00 pm  Review of Surgical Epilepsy Treatments – Vineet Punia

1:50 pm  Epilepsy Cases – Vineet Punia

2:30 pm  Epilepsy Q&A – Vineet Punia

2:40 pm  Refreshment Break & Exhibits

3:00 pm  Neuro Jeopardy – Alex Rae-Grant and Glen Stevens

4:00 pm  Adjourn

ABPN Self-Assessment Examination (SAE)

The American Board of Psychiatry and Neurology has reviewed the 2018 Neurology Update – A Comprehensive Review for the Clinician and has approved this program as part of a comprehensive Self-Assessment Program which is mandated by the ABMS as a necessary component of maintenance of certification. Approved for 8 Category 1 CME credits for Self-Assessment.

You will be required to complete the pre-test (online prior to conference or written test at the conference) and attend the conference in order to obtain Self-Assessment credit. The answers to the test questions will be addressed during the lectures.
Saturday, August 4, 2018

7:30 am  Registration/Continental Breakfast/Exhibits

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

Topics:
- Headache Management Cases – Zubair Ahmed
- Movement Disorders Management Cases – Hubert Fernandez
- Multiple Sclerosis Management Cases – Mary Rensel

8:00 am  Breakout Session Introductions – General Session Room – SALON I
8:10 am  Breakout Session 1
9:10 am  Breakout Session 2
10:10 am Refreshment Break
10:30 am  Breakout Session 3
11:30 am Audience Response Questions & Answers from Breakout Sessions – SALON I
11:50 am Lunch Buffet – SALON II
12:50 pm Practical Guide to Dementia Biomarkers – Dylan Wint
1:30 pm  Dementia Diagnosis: From Conference to Clinic – Dylan Wint
2:10 pm  Refreshment Break & Exhibits
2:30 pm  Neuroradiology: Brain – Jeffrey Ross
3:10 pm  Neuroradiology: Spine – Jeffrey Ross
3:50 pm  Historical Vignette and Panel Discussion/Q&A:
Alex Rae-Grant, Glen Stevens, Dylan Wint and Jeffrey Ross
4:20 pm Adjourn

Sunday, August 5, 2018

7:30 am  Registration/Continental Breakfast/Exhibits
8:00 am  Diagnosis and Treatment of Adult Onset Hydrocephalus – Sean Nagel
8:40 am  New Strategies for Neuromodulation – Sean Nagel
9:20 am  Cases from Consult Neurology – Alex Rae-Grant
10:00 am Refreshment Break & Exhibits
10:20 am  Neuro-oncology: A Case Based Approach – Glen Stevens
11:00 am Betrayers of the Truth: An In-depth Look at Complimentary Medicine
Glen Stevens
11:30 am  Historical Vignette and Panel Discussion/Q&A:
Alex Rae-Grant, Glen Stevens, Sean Nagle
12:00 pm Adjourn
Location
The Ritz-Carlton, Washington DC
1150 22nd Street, NW
Washington, DC  20037
Phone: 202.835.0500

Hotel Accommodations
A block of rooms has been reserved at The Ritz-Carlton, Washington DC. To make your reservation, contact the hotel directly at 202.835.0500 or 1.800.241.3333 and mention the “Cleveland Clinic Neurology Update” to receive the special rate of $255 per night plus tax. You may also make your reservation online at www.ritzcarlton.com using code CLECLEA. To secure the course rate, you must make your reservation by Monday, July 9, 2018.

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 DC for a special course rate of $40.00 for overnight valet and $32.00 for day valet parking (up to 12 hours). A self-parking garage is also available at the hotel and rates vary.

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

Faculty Disclosure Statement
The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

Americans with Disabilities Act
The Cleveland Clinic Foundation 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.

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.
Accreditation

The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Cleveland Clinic Foundation 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.

Application for CME credit has been filed with the American Academy of Family Physicians. Determination of credit is pending.

Registration and Cancellation Information

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Payment must be received prior to admittance to the course. Purchase orders are not accepted.

Register at: www.ccfcme.org/NeuroUpdate18

COURSE FEES
Includes online syllabus, continental breakfasts, refreshment breaks and two buffet luncheons

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<th>Category</th>
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<tr>
<td>Physician</td>
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<tr>
<td>Non-Physician</td>
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*Letter from Program Director or Chairman must be received in our office prior to the course to receive this fee.

Preregistrations are accepted online until 5:00 PM ET, Monday, July 30, 2018. To register after this date, please do so onsite. In case of cancellation, a full refund will be made if canceled by July 20, 2018. After July 20, 2018, a $50 cancellation fee will be deducted from your refund. Written notification of your cancellation is required in order to process your refund. NO REFUNDS WILL BE ISSUED AFTER July 27, 2018.

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.
The Cleveland Clinic Foundation
Neurological Institute
9500 Euclid Ave., S100
Cleveland, OH  44195

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