9th Annual
UCLA Review of Clinical Neurology
A Virtual Course
March 24, 25, and 26, 2023
Alon Y. Avidan, MD, MPH – Course Director
Kevin Patel, MD – Course Co-Director
Course Description

The UCLA Review of Clinical Neurology Virtual CME Course is designed to provide a comprehensive and practical review of core neurological disorders. It is intended for neurologists who wish to strengthen their competency and proficiency in evaluating, diagnosing, and managing a broad range of neurological disorders.

The course is organized to provide attendees with a review of clinical neurology based on major disease topics. Each neurological core topic will be organized to summarize the clinical spectrum of the disorders, pathophysiology, etiology, diagnostic techniques, and management options. Each lecture will discuss recent advancements made in the last year and their relevance to COVID-19.

Course Highlights

Upon completion of this activity, participants will be able to effectively use this educational symposium to enhance their clinical knowledge of key neurologic disorders, expand their horizons on recent discoveries about disease pathology, appreciate new diagnostic tools and think critically about management options.

The Course is intended to provide attendees with:

- Comprehensive, evidence-based review of common neurologic disorders.
- Presentation of common and important neurologic conditions, emphasizing practical aspects of clinical care and highlighting recent discoveries in disease mechanisms, pathophysiology, diagnostic tools, and recently approved treatment options.
- Presentation of three new things, focusing on recent advances in the clinical domain.
- Effective, evidence-based treatment options based on recent publications of the American Academy of Neurology Clinical Practice Guidelines.
- Video demonstration of unique clinical manifestations, epilepsy mimics and sleep phenomenon.
- Discussion of “hot topics” such as neurologic aspects of COVID-19, disclosure of Neurogenetic test results, and key innovations in representative disease states.

Course Learning Objectives

At the conclusion of this course, participants should be able to:

- Utilize most current evidenced-based practices to improve confidence in diagnosing and managing major disease states in neurology, including multiple sclerosis, headaches, epilepsy, central nervous system infections including COVID-19 infection, movement disorders, neurodegenerative disorders, sleep disorders, neuromuscular diseases, neuro-otology, stroke management, neuro-ophthalmology, ethical principles of disclosure of neurodegenerative conditions in neurology.
- Discuss neurologic disease utilizing a case-based approach across the age groups from pediatrics to older age.
- Explore the utility of neurologic testing, including cerebrospinal fluid analysis, neuropsychiatric testing, neuroimaging, and neurophysiological assessments, including polysomnography, electroencephalography, electromyography, and nerve conduction velocity testing.
- Discuss the underlying neuropathology of key neurological conditions and appraise the utility of disease-modifying treatments in representative conditions, including Alzheimer’s disease and multiple sclerosis.
- Identify appropriate the most current appropriate and innovative therapeutic strategies for common neurologic disorders and complaints.
- Apply the principles of ethics to the disclosure of conditions and testing that might predict the risk of future development of neurodegenerative conditions.

Target Audience

This course is designed for neurologists in private, health groups, or academic practice, as well as neurology, psychiatry, and neurosurgery trainees (residents, fellows). The course will be particularly helpful for allied healthcare providers in neuroscience specialties (psychologists, physician assistants, nurses, and nurse practitioners, speech pathologists, and physical and occupational therapists.)
<table>
<thead>
<tr>
<th>DAY 1 (FRIDAY 3/24/2023)</th>
<th>TIME</th>
<th>SESSION</th>
<th>SPOKESPERSONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:45 AM</td>
<td>Introduction and Welcome Address</td>
<td>Alon Y. Avidan, MD, MPH&lt;br&gt;Kevin Patel, MD</td>
<td></td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Synopsis of Pediatric Neurology:&lt;br&gt;What Adult Neurologists Should Know</td>
<td>Lekha Rao, MD</td>
<td></td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Practical Neurogenetic Cases</td>
<td>Brent Fogel, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Workup and Management of New Onset Seizures</td>
<td>John Stern, MD</td>
<td></td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Workup and Management of Strokes</td>
<td>Neal Rao, MD</td>
<td></td>
</tr>
<tr>
<td>12:00 PM</td>
<td>INTERMISSION &amp; PRODUCT THEATER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00 PM</td>
<td>Neuroinfectious Disease Review</td>
<td>Elyse Singer, MD</td>
<td></td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Neurologic Manifestations of COVID-19 Infections</td>
<td>Ayush Batra, MD</td>
<td></td>
</tr>
<tr>
<td>3:00 PM</td>
<td>Neuroimaging Signs that Neurologists Must Never Miss</td>
<td>Pablo Villablanca, MD</td>
<td></td>
</tr>
<tr>
<td>4:00 PM</td>
<td>Neck &amp; Back Pain: The Red Flags</td>
<td>Langston Holly, MD</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DAY 2 (Saturday 3/25/2023)</th>
<th>TIME</th>
<th>SESSION</th>
<th>SPOKESPERSONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM</td>
<td>What Neurologists Need to Know About Sleep</td>
<td>Alon Y. Avidan, MD, MPH</td>
<td></td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Everything that Shakes is Not a Seizure:&lt;br&gt;Video Demonstration</td>
<td>Wesley Kerr, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Practical Approaches to the Dizzy Patient</td>
<td>Gail Ishiyama, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Movement Disorders Cases</td>
<td>Adrienne Keener, MD</td>
<td></td>
</tr>
<tr>
<td>12:00 PM</td>
<td>INTERMISSION &amp; PRODUCT THEATER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00 PM</td>
<td>Neuromuscular Disease Cases</td>
<td>Perry Shieh, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Dementia Cases</td>
<td>Keith Vossel, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>3:30 PM</td>
<td>Current &amp; Emerging Treatments for Alzheimer's Disease</td>
<td>Anna Burke, MD</td>
<td></td>
</tr>
<tr>
<td>4:30 PM</td>
<td>Communicating Risk of Dementia:&lt;br&gt;When, How, Why, and What</td>
<td>Neil Wenger, MD</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DAY 3 (Sunday, 3/26/2023)</th>
<th>TIME</th>
<th>SESSION</th>
<th>SPOKESPERSONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM</td>
<td>Advances in Neurologic Critical Care</td>
<td>Paul M. Vespa, MD</td>
<td></td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Vasculitis of the Central Nervous System</td>
<td>Shamik Bhattacharyya, MD</td>
<td></td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Neuro-Ophthalmology Pearls</td>
<td>Peter Quiros, MD</td>
<td></td>
</tr>
<tr>
<td>11:00 AM</td>
<td>An Update on the Management of Headache Disorders</td>
<td>Andrew Charles, MD</td>
<td></td>
</tr>
<tr>
<td>12:00 PM</td>
<td>INTERMISSION &amp; PRODUCT THEATER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00 PM</td>
<td>Practical Updates and Innovations in Neuro-Oncology</td>
<td>Robert Chong, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Autonomic Disorders</td>
<td>Paola Sandroni MD, PhD</td>
<td></td>
</tr>
<tr>
<td>3:00 PM</td>
<td>A New Chapter in Multiple Sclerosis Diagnosis and Treatment</td>
<td>Kevin Patel, MD</td>
<td></td>
</tr>
<tr>
<td>4:00 PM</td>
<td>Living Well with Multiple Sclerosis:&lt;br&gt;A Comprehensive Approach</td>
<td>Barbara Giesser, MD</td>
<td></td>
</tr>
<tr>
<td>5:00 PM</td>
<td>Conclusion and Adjournment</td>
<td>Alon Y. Avidan, MD, MPH&lt;br&gt;Kevin Patel, MD</td>
<td></td>
</tr>
</tbody>
</table>
Adrienne M Keener, MD  
Associate Clinical Professor, Movement Disorders Program  
Associate Program Director, Neurology Residency  
UCLA Department of Neurology*  

Wesley T. Kerr, MD, PhD  
Clinical Instructor  
Department of Neurology  
University of Michigan  
Ann Arbor, MI  

Peter A. Quiros, MD  
Director, Foundations of Practice  
Professor of Ophthalmology  
Department of Ophthalmology*  

Lekha M. Rao, MD  
Assistant Professor of Pediatric Neurology  
UCLA Mattel Children’s Hospital  
UCLA Department of Pediatrics*  

Neal Rao, MD  
Associate Clinical Professor, Vascular Neurology Program  
Director, Olive View Medical Center Stroke Program  
UCLA Department of Neurology*  

Paola Sandroni, MD, PhD  
Professor of Neurology, Mayo Clinic College of Medicine and Science  
Chair, Division Autonomic Disorders Mayo Clinic Rochester, MN  
Chair, Department of Neurology, Mayo Clinic  
Mankato, Minnesota  

Perry Shieh, MD, PhD  
Professor of Neurology  
UCLA Departments of Neurology and Pediatrics*  

Elyse J. Singer, MD  
Professor of Neurology  
UCLA Department of Neurology*  

John M. Stern, MA, MD  
Director, Epilepsy Clinical Program  
Professor, Department of Neurology  
UCLA Department of Neurology*  

Paul M. Vespa, MD  
Assistant Dean of Critical Care Medicine, Research  
Gary L. Brinderson Family Chair in Neurocritical Care  
Professor of Neurosurgery and Neurology  
Director of the Neurocritical Care Program*  

Pablo Villablanca, MD  
Professor of Radiological Sciences  
Chief of Diagnostic Neuroradiology  
UCLA Department of Radiology*  

Keith Vossel, MD, PhD  
Center Director, Mary S. Easton Center for Alzheimer’s Disease Research  
Professor of Neurology  
UCLA Department of Neurology*  

Neil Wenger, MD  
Professor of Medicine  
Director, UCLA Health Ethics Center  
UCLA Department of Medicine*  

*David Geffen School of Medicine at UCLA
General Information
Friday - Sunday, March 24-26, 2023

Virtual meeting instructions in anticipation of the course will be provided to enrollees two weeks prior to the conference date. Enrollees will be provided the opportunity to review recorded sessions up to 3 weeks following the conference. Attendees will be awarded CME credit commensurate with the extent of their participation in the virtual activity.

Refunds
Cancellations must be received by March 13, 2023 by email to uclacme@mednet.ucla.edu and will be subject to a $75 processing fee. No refunds will be granted after that date. If, for any reason, the course must be cancelled, discontinued, or rescheduled by the Office of Continuing Medical Education, a full refund will be provided.

Additional Information
If you have any questions, please contact the UCLA Office of Continuing Medical Education at (310) 794-2620 or visit our CME website at www.cme.ucla.edu.

Email: uclacme@mednet.ucla.edu

Accreditation
The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, designates this live activity for a maximum of 24.50 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Disclosure Statement
The FDA has issued a concept paper that classifies commercial support of scientific and educational programs as promotional unless it can be affirmed that the program is “truly independent” and free of commercial influence. In addition to independence, the FDA requires that non-promotional, commercially supported education be objective, balanced and scientifically rigorous. The policy further states that all potential conflicts of interest of the CME staff and faculty be fully disclosed to the program’s participants. In addition, Accreditation Council for Continuing Medical Education policy mandates that the provider adequately manage all identified potential conflicts of interest prior to the program. UCLA fully endorses the letter and spirit of these concepts.

To review course content and register, please scan the code below into your mobile device

For additional information. Please visit: https://www.cme.ucla.edu/courses/neuro2023
UCLA Office of Continuing Medical Education at:
Tel: (310) 794-2620  Email: UCLACME@mednet.ucla.edu
or visit our CME website at www.cme.ucla.edu
Course Enrollment

Spring 2023

<table>
<thead>
<tr>
<th>Course Title and Number</th>
<th>Registration Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>9th Annual UCLA Review of Clinical Neurology B09902</td>
<td></td>
</tr>
</tbody>
</table>

Please make your registration selection on the course website page: www.cme.ucla.edu/courses/neuro2023

Registration Fees:
Register by March 1, 2023 to take advantage of pre-registration rates

- Physicians (pre-registration) – $650
- Physicians – $750
- Allied Health Professionals (pre-registration) – $350
- Allied Health Professionals – $500
- Trainees – $300 (with a letter from training program director)

TOTAL

We accept Visa, MasterCard, American Express, and Discover credit cards.

To register using a credit card or ACH/electronic transfer, please visit: https://www.cme.ucla.edu/courses/neuro2023.

*Credit card and check payments via phone, fax, or mail are no longer accepted.

Questions
If you have any questions about enrollment, please call (310) 794-2620 or email: uclacme@mednet.ucla.edu