9TH ANNUAL
Bridging Breakthroughs in Neuroscience from Bench to Bedside

October 12 – 13, 2018

Li Ka Shing Center for Learning and Knowledge
Stanford University
Stanford, CA

A Continuing Medical Education Conference presented by the Department of Neurology and Neurosurgery at the Stanford University School of Medicine.

Sponsored by the Stanford University School of Medicine
COURSE OVERVIEW

STATEMENT OF NEED
This CME activity seeks to fulfill the educational needs of healthcare professionals who manage patients with neurologic diseases and disorders. This symposium will review the latest advances and best practices in the rapidly-evolving field of neuroscience by addressing clinical challenges in a variety of areas, including dementia, degenerative brain diseases, movement disorders, neuromuscular disorders, headache and pain, stroke, and neuro-oncology. Emphasis will be placed on information required to evaluate novel screening, develop diagnostic strategies, and identify the most effective therapeutic options for optimal treatment and/or referral of patients. Lectures with question-and-answer sessions or panel discussions will afford learners the opportunity to examine practice dilemmas, discuss available evidence, and apply effective case management.

TARGET AUDIENCE
This is a national program designed for physicians, nurses and allied health professionals specializing in Emergency Medicine, Family Practice, Internal Medicine, Primary Care, Neurology, Interventional Radiology, Neurosurgery, Physical Medicine and Rehabilitation, and Neuro-Oncology.

LEARNING OBJECTIVES
At the conclusion of this activity, participants should be able to:
• Review key factors important in the development and diagnosis of degenerative brain disease
• Outline current diagnostic and treatment options available for the management of appropriate patients with neuromuscular disorders
• Integrate new approaches to the prevention, diagnosis, and management of stroke into clinical decision making with patients who are at risk or have experienced stroke
• Incorporate advances in medical, radiological, and/or surgical therapy into treatment strategies for appropriate patients with brain tumors
• Summarize patient- and disease-related factors critical to the differential diagnosis of tremor
• Outline critical patient-related factors for the selection of appropriate candidates for device-assisted treatment of movement disorders
• Apply current clinical evidence when planning treatment strategies for patients with headache, back, or other types of chronic pain
• Incorporate advanced techniques into the neurological exam of appropriate patients under evaluation for neurological disorders
• Describe current clinical evidence regarding the use of neuro-stimulation in patients with refractory epilepsy

ACCREDITATION
The Stanford University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION
The Stanford University School of Medicine designates this live activity for a maximum of 12 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The California Board of Registered Nursing recognizes that Continuing Medical Education (CME) is acceptable for meeting RN continuing education requirements as long as the course is certified for AMA PRA Category 1 Credit™ (rn.ca.gov). Nurses will receive a Certificate of Participation following this activity that may be used for license renewal.

FACULTY DISCLOSURE
The Stanford University School of Medicine adheres to ACCME Criteria, Standards and Policies regarding industry support of continuing medical education. Disclosure of faculty and their commercial relationships will be made prior to the activity.

COMMERCIAL SUPPORT ACKNOWLEDGEMENT
This CME activity is supported in part by educational grants. A complete list of commercial supporters will be published in the course syllabus.

FACULTY
All faculty members and conference planners are from Stanford University School of Medicine unless otherwise noted.

COURSE DIRECTORS
Jeffrey Dunn, MD, FAAN
Clinical Professor of Neurology and Neurological Sciences
Division Chief, Clinical Neuroimmunology
Director, Neurology Clerkship
Casey Halpern, MD
Assistant Professor of Neurosurgery and, by courtesy, of Neurology and Neurological Sciences and Psychiatry and Behavioral Sciences

STANFORD FACULTY
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Department of Anesthesiology, Perioperative and Pain Medicine
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Professor, by courtesy, of Neurosurgery
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Associate Director, Neuroimaging Medicine Fellowship
Jacintha Sampson, MD, PhD
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Yuen So, MD, PhD
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Professor of Neurology
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Associate Chair, Psychiatry and Behavioral Sciences
Jack, Samuel and Lulu Willson Professor of Psychiatry and Behavioral Sciences
Gary K. Steinberg, MD, PhD
Bernard and Ronni Lacroute-William Randolph Hearst Professor of Neurosurgery, and by courtesy, of Neurology
Chair, Department of Neurosurgery
Founder and Co-Director, Stanford Stroke Center
Niralir Vora, MD
Director, Global Health Neurology
Associate Residency Director, Adult Neurology
Clinical Assistant Professor of Neurology and Neurological Sciences
Tony Wyss-Coray, PhD
Professor of Neurology and Neurological Sciences
Thomas J. Wilson, MD
Co-Director, Center for Peripheral Nerve Surgery
Clinical Assistant Professor of Neurosurgery
<table>
<thead>
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<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30-8:30 am</td>
<td>Registration and Continental Breakfast</td>
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<tr>
<td>8:30-8:35</td>
<td>Welcome and Announcements</td>
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<tr>
<td>8:35-10:10</td>
<td>BRAIN PERFORMANCE</td>
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<tr>
<td>8:35-8:55</td>
<td>Imaging of Dementia</td>
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<td>8:55-9:15</td>
<td>Dementia: Emerging Treatment Options</td>
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<td>9:15-9:55</td>
<td>Concussion and Brain Performance</td>
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<td>9:55-10:10</td>
<td>Young Blood for Old Brains</td>
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<td>10:10-10:25</td>
<td>BREAK</td>
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<td>10:25-12:00</td>
<td>NEUROMUSCULAR DISEASES</td>
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<tr>
<td>10:25-10:45</td>
<td>Emerging Treatment Prospects for Muscular Dystrophy</td>
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<td>10:45-11:05</td>
<td>When to Order an EMG</td>
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<td>11:05-11:25</td>
<td>Novel Uses of Nerve Transfers</td>
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<td>11:25-11:45</td>
<td>Indications for Surgical Spine Treatment</td>
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<td>11:45-12:00</td>
<td>Q&amp;A</td>
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<td>12:00-1:00</td>
<td>LUNCH</td>
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<td>1:00-2:35</td>
<td>STROKE</td>
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<td>1:00-1:20</td>
<td>Medical Review 2018 to Optimize Stroke</td>
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<td>1:20-1:40</td>
<td>Thrombolysis and Stroke Care Update 2018</td>
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<td>1:40-2:00</td>
<td>Neurointerventional Stroke Management</td>
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<td>2:00-2:20</td>
<td>Cerebrovascular Surgery and Stem Cell Transplantation</td>
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<td>2:20-2:35</td>
<td>Q&amp;A</td>
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<td>2:35-2:50</td>
<td>BREAK</td>
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<tr>
<td>2:50-4:25</td>
<td>HEADACHE AND PAIN</td>
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<td>2:50-3:10</td>
<td>Breakthrough in Migraine Management</td>
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<tr>
<td>3:10-3:30</td>
<td>Technology for Back Pain</td>
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<td>3:30-3:50</td>
<td>Comprehensive Spinal Pain Management</td>
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<td>3:50-4:10</td>
<td>Hypnotherapy for Chronic Pain</td>
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<td>4:10-4:25</td>
<td>Q&amp;A</td>
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<tr>
<td>4:25-4:30</td>
<td>Concluding Remarks</td>
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<td>4:30</td>
<td>ADJOURN</td>
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*Program is subject to change.*

**Saturday, October 13, 2018**

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<td>MOVEMENT DISORDERS</td>
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<tr>
<td>8:35-8:55</td>
<td>Deep Brain Stimulation for Movement Disorders</td>
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<td>8:55-9:15</td>
<td>New Insights for Deep Brain Stimulation</td>
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<td>9:35-9:55</td>
<td>Focused Ultrasound Treatment for Movement Disorders</td>
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<td>NEURO-ONCOLOGY</td>
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<td>10:25-10:45</td>
<td>New Developments in Cushing’s Disease</td>
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<td>10:45-11:05</td>
<td>Advances in Chemotherapeutics for Brain Tumors</td>
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<td>11:05-11:25</td>
<td>Radiosurgical Treatment of Adult Brain Tumors</td>
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<td>11:25-11:45</td>
<td>Endoscopic Endonasal Surgery for Skull Base Tumors: From Lab to OR</td>
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<td>11:45-12:00</td>
<td>Q&amp;A</td>
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<tr>
<td>12:00-1:15</td>
<td>LUNCH BREAKOUT SESSION: Advanced Techniques of the Neurological Exam</td>
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<tr>
<td>1:15-2:50</td>
<td>EPILEPSY/ALTERED MENTAL STATUS/WRAP UP</td>
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<tr>
<td>1:15-1:35</td>
<td>Assessing the Autonomic Nervous System</td>
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<td>1:35-1:55</td>
<td>Polynucleotide Repeat Disorders: the Dark Matter of the Neurogenetic Universe</td>
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<td>1:55-2:15</td>
<td>Epilepsy and Neurostimulation Update 2018</td>
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<td>2:15-2:35</td>
<td>CNS Demyelinating Disease and Biomarkers</td>
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<td>2:35-2:50</td>
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<tr>
<td>2:50-3:00</td>
<td>Closing Remarks</td>
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*Opportunities for Q&A will be provided at the conclusion of each program section.*

To register and pay online, visit [http://cme.stanford.edu/neuro](http://cme.stanford.edu/neuro)
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REGISTRATION
Registration fee includes course materials, certificate of participation, and daily breakfast and lunch.

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<thead>
<tr>
<th>ATTENDEE TYPE</th>
<th>FEES Early Bird Rate</th>
<th>FEES After 9/12/18</th>
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<tbody>
<tr>
<td>Physicians</td>
<td>$525</td>
<td>$675</td>
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<tr>
<td>Nurses and Allied Health Professionals</td>
<td>$350</td>
<td>$425</td>
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</tbody>
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Register online with Visa or Master Card by visiting cme.stanford.edu/neuro.
If you prefer to pay by check or need assistance, please call (650) 497-8554 or email stanfordcme@stanford.edu. Be sure to register with an email address that you check frequently. Your email address is used for critical information, including registration confirmation, evaluation, and certificate.

CANCELLATION POLICY
Cancellations received in writing no less than 30 days before the course will be refunded, less a 20% administrative fee. No refunds will be made on cancellations received after that date. Please send cancellation requests to stanfordcme@stanford.edu.

Stanford University School of Medicine reserves the right to cancel this program; in the event of cancellation, course fees will be fully refunded.

CONFERENCE LOCATION
Li Ka Shing Center for Learning and Knowledge
291 Campus Drive, Stanford, CA
(650) 725-6884

ACCOMMODATIONS
Nearby Hotels:
• Sheraton Palo Alto Hotel (650) 328-2800
• The Westin Palo Alto (650) 321-4422
Please contact the hotel directly to secure a reservation. Additional hotel options: http://visit.stanford.edu/plan/lodging.

VISITING STANFORD UNIVERSITY
To learn more about traveling to Stanford University, please browse visit.stanford.edu.

CONTACT INFORMATION
For questions about the symposium, please contact Mary Sisney, CME Conference Coordinator at (650) 724-7166 or msisney@stanford.edu.
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