NEURAL INTERFACES
for Therapeutic Interventions

Proven Therapies and Emerging Interventions for Neurologic Disease

OCTOBER 29, 2016
Tamkin Auditorium
Ronald Reagan UCLA Medical Center
Los Angeles, California
COURSE DESCRIPTION

This comprehensive 1 day continuing medical education (CME) program in neuro-modulation features an outstanding faculty from the Departments of Neurosurgery, Neurology, and Anesthesiology at the David Geffen School of Medicine at UCLA. The purpose of the course is to provide an update on the latest multidisciplinary management and application of medical devices for an array of neurologic diagnoses, including movement disorders, epilepsy, chronic pain, and head and facial pain. There will be specific emphasis on new and emerging treatment options, including deep brain stimulation (DBS), responsive neurostimulation, emerging neurotechnologies, and therapies on the horizon. Alternative treatments, including first-line medical management, botulinum toxin therapy, and adjunctive therapies will also be discussed. The course will focus on personalizing therapy, both with respect to patient selection and targeting therapy. To integrate and ensure audience participation, patient testimonials will take place throughout the day. Attendees are encouraged to bring in their own cases for discussion.

TARGET AUDIENCE

Neurosurgeons (functional and general), neurologists (general, movement disorder, and epilepsy), psychiatrists, psychologists, pain management physicians, primary care physicians, allied-health professionals, and neurosurgery, neurology, and psychiatry residents and fellows

COURSE OBJECTIVES

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

• Describe first line medical therapies for movement disorders, epilepsy and pain
• Understand the role and indications for neuromodulatory treatments
• Understand indications, approaches, and methods for ablative procedures for chronic neurologic conditions
• Describe the multi-modal management of head and facial pain

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

This CME activity meets the requirements, under California Assembly Bill 1195, continuing education and cultural and linguistic competency.

Disclosure  The FDA has issued a concept paper which 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, policy of the Accreditation Council for Continuing Medical Education now mandates that the provider adequately manages all identified potential conflicts of interest prior to the program. We at UCLA, fully endorse the letter and spirit of these concepts.
COURSE DIRECTOR

Nader Pouratian, MD, PhD
Associate Professor*
UCLA Department of Neurosurgery
Neuromodulation for Movement Disorders & Pain
Peripheral Nerve Surgery
Radiosurgery

UCLA FACULTY

Ausaf Bari, MD, PhD
Assistant Professor*
Department of Neurosurgery

Yvette M. Bordelon, MD, PhD
Associate Clinical Professor of Neurology*
Division of Movement Disorders

Dawn Eliashiv, MD
Professor of Neurology*
Co-Director, UCLA Seizure Disorder Center

Itzhak Fried, MD, PhD
Professor in Residence*
Department of Neurosurgery
Director, Epilepsy Surgery Program

Mollie Johnston, MD
HS Clinical Assistant Professor*
Department of Neurology
Headache Research and Treatment Program

Jae Jung, MD
Assistant Clinical Professor*
Department of Orthopaedic Surgery
Pain Medicine

Adrienne Keener, MD
Assistant Professor in Residence*
Movement Disorders Program
Department of Neurology

Won Kim, MD
Assistant Clinical Professor*
Department of Neurosurgery

Joshua Prager, MD
Director, Center for the Rehabilitation of Pain Syndromes (CRPS)
Voluntary Assistant Clinical Professor*
Department of Anesthesiology

John Stern, MD
Professor of Neurology*
Director, Epilepsy Clinical Program
Co-Director, Seizure Disorder Center

Allan D. Wu, MD
Associate Professor of Neurology*
Division of Movement Disorders

Irene Wu, MD
Assistant Director
UCLA Comprehensive Pain Center
Assistant Clinical Professor*
Department of Anesthesiology

*David Geffen School of Medicine at UCLA
7:30 am  Breakfast and Registration

INTRODUCTION
8:15  Welcome
Nader Pouratian, MD, PhD

MOVEMENT DISORDERS
8:20  Parkinson’s Disease: Therapeutic Challenges and Opportunities
Adrienne Keener, MD
8:40  Parkinson’s Disease and Essential Tremor:
Indications and Timing for Surgery
Yvette M. Bordelon, MD, PhD
9:00  Dystonia: Botulinum Toxin and Medical Therapy
Allan D. Wu, MD
9:20  DBS for Movement Disorders:
The Team, Techniques, Targets and Outcomes
Ausaf Bari, MD, PhD
9:40  Surgical Alternatives:
Radiofrequency, Radiosurgery, and Focused Ultrasound
Nader Pouratian, MD, PhD
10:00  Emerging DBS Technologies:
Constant Voltage vs. Constant Current
Current Steering
Asleep vs. Awake DBS Implantation
New Applications: Tourette’s, OCD, and Beyond
Ausaf Bari, MD, PhD and Nader Pouratian, MD, PhD
10:30  Break

EPILEPSY
11:00  Epilepsy Surgery Evaluation: Patterns and Indications
Dawn Eliashiv, MD
11:20  Resective Surgery for Epilepsy
Itzhak Fried, MD, PhD
1:40  Vagus Nerve Stimulation for Epilepsy
Ausaf Bari, MD, PhD

EPILEPSY (CONTINUED)
12:00  MR Guided Laser Ablation for Epilepsy
Itzhak Fried, MD, PhD
12:20  Emerging Epilepsy Technologies:
Responsive Neuro Stimulation
Anterior Nucleus DBS
John Stern, MD
12:50  Epilepsy Q&A
1:00  Lunch

PAIN
2:00  Spinal Cord Stimulation for Failed Back Syndrome
Irene Wu, MD
2:20  Spinal Cord Stimulation for CRPS
Joshua Prager, MD
2:40  Ablative Procedures for Pain: DREZ, Cordotomy, and Cingulotomy
Won Kim, MD
3:00  Emerging Neuromodulation Approaches for Pain:
High Frequency Stimulation
Generators: Primary Cell, Rechargeable, or External
Jae Jung, MD
3:50  Break

HEAD AND FACIAL PAIN
4:05  Trigeminal Neuralgia: MVD, SRS, and Percutaneous Options
Won Kim, MD
4:05  Occipital Neuralgia: Decompression, Neurectomy or Stimulation
Nader Pouratian, MD, PhD
4:05  Migraine: Botulinum Toxin, Decompression, and Stimulation
Mollie Johnston, MD
5:15  Adjourn
Tamkin Auditorium - Ronald Reagan UCLA Medical Center
757 Westwood Plaza
Los Angeles, CA 90095

Parking:
Please park in lot 8. A parking attendant will be on duty from 7:00-9:00 AM. If you arrive outside of this time frame, please visit the parking kiosk on Westwood Plaza to pay for your parking permit. Participants are responsible to pay for their own parking charges at a rate of $12 per vehicle, cash only.
NEURAL INTERFACES FOR THERAPEUTIC INTERVENTIONS COURSE

Tuition: Physicians $150  
Nurses & Allied Health $75  
Trainees $25  

Please print clearly

___________________________________________________
Specialty     Degree
___________________________________________________
Name (First, Middle, Last)
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Address
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City, State, Zip
___________________________________________________
(Area Code) Business Phone           (Area Code) Fax Number
___________________________________________________
E-mail Address

Last 4 digits of your Social Security Number   

Course Enrollment Options
☐ Check enclosed, payable to: Regents of the University of California  
☐ Please charge my credit card: ☐ AMEX ☐ Discover ☐ MasterCard ☐ Visa

Card Number Exp. Date
Signature

Mail completed enrollment form to:
Office of Continuing Medical Education  
David Geffen School of Medicine at UCLA  
NIFTI  
10920 Wilshire Blvd., Suite 1060  
Los Angeles, CA 90024

Fax enrollment form to: 310-794-2624
Register by phone with an American Express, Discover, MasterCard or Visa: 310-794-2620
Register online with an American Express, Discover, MasterCard or Visa: www.cme.ucla.edu/courses

REFUNDS: Cancellations must be received in writing by September 30, 2016, and will be subject to a $50 processing fee. No refunds will be given after that date. If for any reason the course must be canceled, discontinued, or rescheduled by the Office of CME, a full refund will be provided.