NEURAL INTERFACES
for Therapeutic Interventions

Individualized Neuromodulation for Neurologic and Psychiatric Disease

COURSE DIRECTORS

Nader Pouratian, MD, PhD
Director, UCLA Neurosurgical Movement Disorders Program
UCLA Department of Neurosurgery

Andrew F. Leuchter, MD
Director, Neuromodulation Division
Semel Institute for Neuroscience and Human Behavior

OCTOBER 3, 2015

Hyatt Regency Century Plaza
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 Psychiatry at the David Geffen School of Medicine at UCLA. The purpose of the course is to provide an update on the advanced multidisciplinary management of movement disorders and psychiatric diseases. There will be specific emphasis on new and emerging treatment options, including deep brain stimulation (DBS), transcranial magnetic stimulation (TMS), trigeminal nerve stimulation (TNS), and other neuromodulatory techniques. 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 and psychiatric disorders
- Understand the differing roles and uses of invasive and non-invasive neuromodulation
- Understand indications, approaches, and methods for personalizing non-invasive neuromodulation for neurologic and psychiatric disease
- Identify indications for deep brain stimulation for movement disorders, depression, obsessive compulsive disorder, and 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 6.5 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 DIRECTORS

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

Andrew F. Leuchter, MD
Professor of Psychiatry and Biobehavioral Sciences *
Director, Neuromodulation Division
Semel Institute for Neuroscience and Human Behavior

Guest Faculty

Z. J. Daskalakis, MD, PhD, FRCP(C)
Temerty Chair in Therapeutic Brain Intervention
Chief, Mood and Anxiety Division
Director, Scientist Development Centre for Addiction and Mental Health (CAMH)
Professor of Psychiatry
University of Toronto
Toronto, Ontario

UCLA Faculty

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

Ian Cook, MD
Associate Professor of Psychiatry and Biobehavioral Sciences *
Director of the UCLA Depression Research and Clinic Program
Joanne and George Miller & Family Chair in Depression Research

Randall Espinoza, MD, MPH
Clinical Professor and Muriel Harris Endowed Chair of Geriatric Psychiatry *
Department of Psychiatry and Biobehavioral Sciences
Director, Geriatric Psychiatry Fellowship Training Program
Medical Director, ECT Program
Associate Director, UCLA Longevity Center

Jamie Feusner, MD
Professor of Psychiatry and Biobehavioral Sciences *
Director, Adult OCD Program
Director, Eating Disorder and Body Dysmorphic Disorder Research Program
Semel Institute for Neuroscience and Human Behavior

Nanthia Suthana, PhD
Assistant Professor *
Laboratory of Neuromodulation & Neuroimaging
Department of Psychiatry & Biobehavioral Sciences
Department of Neurosurgery

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

*David Geffen School of Medicine at UCLA
NIFTI 2015: Individualized Neuromodulation for Neurologic and Psychiatric Disease

Saturday, October 3, 2015

7:30 am Breakfast and Registration

INTRODUCTION
8:13 Welcome
Nader Pouratian, MD, PhD
8:20 The Future of Neuromodulation for the Treatment of Neuropsychiatric Illness
Z. J. Daskalakis, MD, PhD, FRCP(C)
9:00 Porting into the Nervous System: Overview of Neuromodulatory Modalities
Andrew F. Leuchter, MD and Nader Pouratian, MD, PhD

MOVEMENT DISORDERS
9:45 DBS for Parkinson’s Disease: Selecting the Best Patients and Targets
Yvette M. Suthana, PhD
10:15 TMS for Parkinson’s Disease: Targets and Outcomes
Ian Cook, MD
10:45 Break

MOOD AND ANXIETY
10:45 TMS, rTMS, and TMS for Mood and Anxiety Disorders: Which Technology for Which Patients?
Andrew F. Leuchter, MD
11:15 Individualized Approaches to Enhancing TMS for Treatment of MDD
Yvette M. Suthana, PhD
11:45 Lunch

1:15 Clinical Applications of Theta Burst tTMS
Z. J. Daskalakis, MD, PhD, FRCP(C)
1:45 DBS for Depression: Targets, Trials, and Tribulations
Randall Espinoza, MD, MPH
2:15 CBT and DBS for OCD: When and for Whom
Joanne and George Miller & Family Chair in Depression Research
2:45 Break

CHRONIC PAIN
3:15 Chronic Pain is a Brain Disease: Changing Targets to Fit New Models
Nader Pouratian, MD, PhD
3:45 TMS for Chronic Pain: A New Paradigm for Selected Patients
Andrew F. Leuchter, MD

MEMORY LOSS AND NEUROMODULATION
4:15 Targeting Memory Circuits: The Current State of the Art
Nanthia Suthana, PhD
4:45 Adjourns

Neural Interfaces for Therapeutic Interventions Course

Tuition:
Physicians $100.00
Nurses $75.00
Trainees $25.00

Please print clearly
Specialty
Degree
Name (First, Middle, Last)
Address
City, State, Zip
( Area Code) Business Phone ( Area Code) Fax Number
Email 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 Visa
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☑ Fax completed enrollment form to:
☑ Mail completed enrollment form to:

Name (First, Middle, Last)
Address
City, State, Zip
( Area Code) Business Phone ( Area Code) Home Phone
Signature

Mail completed enrollment form to:
Office of Continuing Medical Education
David Geffen School of Medicine at UCLA
NIFTI
10925 Wilshire Blvd., Suite 1060
Los Angeles, CA 90024

Fax enrollment form to: 310-794-2626
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.cms.ucla.edu/courses

REGISTRATION DEADLINES:
Cancellations must be received in writing by September 4, 2015, 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.

Course Director:
José D. del Rio, MD

Program Director:
Andrew F. Leuchter, MD

Regents of the University of California
### TUITION:

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### Course Enrollment Options

- □ Check enclosed, payable to: Regents of the University of California
- □ Please charge my credit card:  
  - □ AMEX  
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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
COURSE LOCATION

Hyatt Regency Century Plaza
2025 Avenue of the Stars
Los Angeles, CA 90067

Parking:
$20 Valet
$12 Self park
*Up to 10 hours only, additional hourly rate applies after