Awake Techniques for Deep Brain Stimulation Surgery:

A Practical Course for Neurosurgeons, Neurologists, and Clinical Neurophysiologists

COURSE DIRECTORS:
Adam Hebb, MD and Aaron Haug, MD

MARCH 1-2, 2015

The Pines Lodge
141 Scott Hill Road
Beaver Creek, CO 81620

Jointly provided by Colorado Neurological Institute and HealthONE CME
Awake Techniques for Deep Brain Stimulation Surgery

TARGET AUDIENCE:
Neurosurgeons, Neurologists, and Clinical Neurophysiologists

PROGRAM OVERVIEW:
This hands-on course structure provides focused education on microelectrode recording interpretation, stereotactic surgical technology, and case discussions on patient selection and programming.

COURSE OBJECTIVES:
1. Identify appropriate surgical candidates for DBS surgery
2. Manipulate DBS programming parameters to optimize patient outcomes for DBS
3. Discuss side effects of DBS therapy and strategies to minimize these side effects
4. Develop strategy for a multidisciplinary team for DBS surgery and patient management
5. Formulate a surgical plan based on complex intraoperative data from multiple sources: Microelectrode recording, clinical testing of movement disorder signs, medical imaging
6. Demonstrate proper use of surgical instruments used in DBS surgery

CME CREDIT:
HealthONE CME is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical
Education (ACCME) through the joint providership of HealthONE CME and Colorado Neurological Institute. HealthONE CME is accredited by the ACCME to provide continuing medical education for physicians.

HealthONE CME designates this Live activity for a maximum of 8.5 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**TUITION:**
Physicians may register for $350. Residents and Allied Health Professionals may register for $175. Register at www.thecnii.org/dbs-conference or call 303-357-5449. The registration deadline is February 20, 2015. Refunds are only available until February 6, 2015. Accommodations are not included in the tuition.

**LODGING:**
A limited block of rooms with special rates is reserved at The Pines Lodge until February 14, 2015. Please reserve your room early by calling 1-877-820-7669 ext. 2. Group Code: CL5NEU

**LOCATION:**
The Pines Lodge
141 Scott Hill Road
Beaver Creek, CO 81620

Come early and ski!

For more information about winter activities please contact The Pines Lodge concierge at 970-845-7900. Or visit pineslodge.rockresorts.com.
Agenda

SESSION 1: SUNDAY, MARCH 1, 2015
4:00PM Introduction and Surgical Anatomy
4:20PM Parkinson’s disease: Patient Selection, Clinical Evidence, and Pre-DBS Evaluation
4:50PM Microelectrode Fundamentals
5:10PM Stereotactic Surgical Techniques

BREAKOUT SESSIONS, 5:50PM-7:40PM
Patient Selection and Cases
Surgical Techniques: Frames/Frameless
Microelectrode Recording I

SESSION 2: MONDAY, MARCH 2, 2015
7:00AM DBS Programming
7:20AM Dystonia: DBS Evidence, Patient Selection, and Pre-DBS Evaluation
7:50AM Emerging Indications for DBS
8:10AM Neuropsychology

BREAKOUT SESSIONS, 8:50AM-10:40AM
Surgical Targeting Platforms
DBS Programming
Microelectrode Recording II

SESSION 3: MONDAY, MARCH 2, 2015
4:00PM Surgical Techniques: MRI and CT Targeting
4:20PM Adding DBS to Your Neurology Practice
4:50PM Essential Tremor: Patient Selection, Clinical Evidence, and Pre-DBS Evaluation
5:10PM Neuroanesthesia: Strategy and Pitfalls

BREAKOUT SESSIONS, 5:50PM-7:40PM
Building Your Clinical Practice
Microelectrode Recording III
Lesion Surgery
Course Directors

Adam Hebb, MD, FRCSC, FAANS
Neurosurgeon, Colorado Brain and Spine Institute
Visiting Assistant Professor, Electrical and Computer Engineering, University of Denver
Associate, Colorado Neurological Institute

Aaron Haug, MD
Neurologist, Blue Sky Neurology
Associate, Colorado Neurological Institute

Faculty

Jay Shils, PhD, D.ABNM, FASNM
Director of IONM,
The Lahey Hospital and Health System
Associate Professor in Neurosurgery, Tufts University

Philip Starr, PhD, MD
Professor in Residence of Neurological Surgery,
Dolores Cakebread Endowed Chair
Co-Director, Functional Neurosurgery Program,
University of California, San Francisco

J. Mimi Castelo, PhD, ABPP-CN
Board-Certified Clinical Neuropsychologist,
Castelo Neuropsychology
Associate, Colorado Neurological Institute

Sierra Farris, MA, MPAS, PA-C
Physician Assistant, Co-owner and Director of DBS Services, Movement & Neuroperformance Center
Faculty

**Monique Giroux, MD**  
*Neurologist, Medical Director, Movement & Neuroperformance Center*  
*Director, Brain Stimulation Foundation*

**Steven Ojemann, MD**  
*Associate Professor of Neurosurgery and Neurology, University of Colorado School of Medicine,*  
*Director of Functional Neurosurgery, University of Colorado*

**Scott Klein, MD**  
*Anesthesiologist, South Denver Anesthesiology, P.C.*

**Avrom Kurtz, MD**  
*Neurologist, Kaiser Permanente*

**Joshua Nedrud, MS**  
*Investigator Scientist, Colorado Neurological Institute*

**Sara Hanrahan, PhD**  
*Investigator Scientist and Clinical Neurophysiologist, Colorado Neurological Institute*
Registration

WAYS TO REGISTER:

Online: www.thecni.org/dbs-conference

Phone: 303-357-5449

Fax: 303-788-5469

Mail: Colorado Neurological Institute
701 E. Hampden Ave. #415
Englewood, CO 80113

REGISTER TODAY
MARCH 1-2, 2015
BEAVER CREEK, CO

PAYMENT:

___ Physician               $350
___ Allied Health Professional  $175

Name: ___________________________ Title/Credentials: ______________________

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Join Us:
Awake Techniques for Deep Brain Stimulation Surgery: A Practical Course for Neurosurgeons, Neurologists, and Clinical Neurophysiologists
Jointly provided by HealthONE CME and Colorado Neurological Institute
Event Details:
March 1-2, 2015
The Pines Lodge in Beaver Creek, CO
Our hands-on course structure provides focused education on microelectrode recording interpretation, stereotactic surgical technology, and case discussions on patient selection and programming.

Learn More and Register:
www.thecni.org/dbs-conference
Or call CNI at 303-357-5449

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