BETTER QUALITY OF LIFE:
Brain Stimulation
For Movement Disorders,
OCD, and Epilepsy

Friday, September 19, 2014
UNIVERSITY CLUB • PITTSBURGH, PA

Online registration will be available at:
https://ccehs.upmc.com/liveFormalCourses.jsf

UPMC
LIFE CHANGING MEDICINE
UPMC Presbyterian
Department of Neurological Surgery
200 Lothrop Street, Suite 8-400
Pittsburgh, PA 15213

COURSE DIRECTOR
R. Mark Richardson, MD, PhD
Assistant Professor of Neurological Surgery
Director, Epilepsy and Movement Disorders Surgery
Director, Brain Modulation Laboratory

Sponsored by:
University of Pittsburgh School of Medicine
Department of Neurological Surgery
and the Center for Continuing Education in the Health Sciences
Overview

This course will provide an overview of Deep Brain Stimulation (DBS), a neuromodulatory therapy that provides benefit beyond that of medication in several refractory neurological disorders, through the implantation of brain electrodes connected to a pulse generator. Patient selection, surgery and expected outcomes with respect to treating tremor disorders, Parkinson’s disease, dystonia, and obsessive compulsive disorder will be discussed. The recently FDA-approved Responsive Neurostimulation System (RNS) for epilepsy also will be reviewed.

Preoperative evaluation and postoperative management will be considered, and new developments and technologies will be highlighted. Interactive sessions will include case presentations from faculty and patient perspectives. Participants also are encouraged to bring their own cases for discussion.

Objectives

At the conclusion of the program, attendees should be able to:

• Identify candidates for DBS and RNS.
• Understand the standard preoperative evaluation of DBS and RNS candidates.
• Understand expected outcomes of DBS and RNS surgery.

Who Should Attend

Neurologists, Psychiatrists, Internal Medicine and Family Practice referring physicians, physician assistants, nurses and others involved in the management of treating tremor, Parkinson’s disease, dystonia, obsessive compulsive disorder and epilepsy. The course is also open to the general public.

Continuing Education Credit

The University of Pittsburgh School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The University of Pittsburgh School of Medicine designates this live activity for a maximum of 6.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other health care professionals are awarded 0.6 continuing education units (CEU’s) which are equal to 6.0 contact hours.

The University of Pittsburgh is an affirmative action, equal opportunity institution.

Schedule – Friday, September 19, 2014

8:00 am  Registration and Continental Breakfast
8:30 am  Welcome
8:35 am  Introduction to Course — Overview of Brain Stimulation
          R. Mark Richardson, MD, PhD

SESSiON 1

8:45 am  DBS for Parkinson’s Disease: Scientific Background
          Houman Homayoun, MD
9:15 am  DBS for Parkinson’s Disease: Patient Selection
          Sarah Berman, MD, PhD
9:45 am  DBS for Essential Tremor and Dystonia
          Valerie Suski, DO
10:15 am BREAK
10:45 am  Neuropsychological Assessment of DBS Candidates
             Jamie Pardini, PhD
11:15 am  DBS Surgery: Targets and Techniques, Awake and Asleep Procedures
             R. Mark Richardson, MD, PhD
Noon    LUNCH
SESSION 2

1:00 pm  Case Presentations from UPMC and Demonstration of DBS Effects
Valerie Suski, DO; Sarah Berman MD, PhD; Houman Homayoun, MD

1:45 pm  DBS for Obsessive Compulsive Disorder
Robert Hudak, MD

2:15 pm  DBS for Depression
Robert Howland, MD

2:30 pm  Responsive Neurostimulation for Epilepsy
Alexandra Popescu, MD

3:15 pm  Future Directions in Brain Stimulation
R. Mark Richardson, MD, PhD

3:45 pm  Question and Answer Session

4:00 pm  Closing Remarks

4:05 pm  Conference Adjournment

Please note: The conference program is subject to changes.

For David’s DBS story, please watch his video on YouTube at youtu.be/7-NKUb5T6Y0.

For Toni’s DBS story, please watch his video on the Pittsburgh Post-Gazette website at bcover.me/98rktqf9.

Course Director
R. Mark Richardson, MD, PhD
Assistant Professor of Neurological Surgery
Director, Epilepsy and Movement Disorders Surgery
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Faculty
Sarah Berman, MD, PhD
Assistant Professor of Neurology

Houman Homayoun, MD
Assistant Professor of Neurology

Robert Howland, MD
Associate Professor of Psychiatry

Robert Hudak, MD
Assistant Professor of Psychiatry

Jamie Pardini, PhD
Assistant Professor of Neurological Surgery

Alexandra Popescu, MD
Medical Director, Epilepsy Surgery Program
Assistant Professor of Neurology

Valerie Suski, DO
Medical Director, Deep Brain Stimulation Program
Assistant Professor of Neurology

Faculty are affiliated with University of Pittsburgh Physicians, Pittsburgh, Pennsylvania, unless noted otherwise.

Faculty for this activity has been required to disclose all relationships with any proprietary entity producing health care goods or services.
**Meeting Location**
The University Club at the University of Pittsburgh
123 University Place • Pittsburgh, PA 15213
Parking will be provided for this event at Soldiers and Sailors Hall at no additional cost to attendee.

**Registration Information**
All registration must be completed by **September 12, 2014.** After this date, only onsite registration on the day of the conference will be accepted.

**Registering online** is the quickest and easiest way to reserve your space at CCEHS conferences.

- Visit our online registration site at [https://ccehs.upmc.com/liveFormalCourses.jsf](https://ccehs.upmc.com/liveFormalCourses.jsf)
- Scroll to **Better Quality of Life: Brain Stimulation For Movement Disorders, OCD, and Epilepsy.**
- Click the **Registration** button and enter all the requested information (including an email address) and follow the prompts to submit your registration after entering your payment information.
- After registering, an electronic confirmation will be sent to the email address you provided us when you registered. If you do not receive this confirmation, please contact us at (412) 864-1839.

**Paper Registrations by Fax or Mail (see contact information on page 7).**
Please contact CCEHS if you are unable to register online and require the use of a paper registration form. UPMC employees whose registration fee will be remitted via journal transfer should request the paper registration form. For a paper registration form, please contact us at (412) 864-1839.

A confirmation letter will be faxed or mailed if registration is completed through the mail or fax by the pre-registration deadline. If you register online, you will receive an immediate email confirmation message.

**Please note:** Registration is not complete until you receive this confirmation. If you do not receive this letter within 5-7 days of registration, please contact us at (412) 864-1839.

You must bring this confirmation letter with you to the conference.

**Cancellation** — All cancellations must be in writing and sent to us via U.S. mail, email or fax. Tuition for cancellations postmarked or date stamped before **September 5, 2014** will be completely refunded. After **September 5, 2014** a $50 administrative fee will be assessed. No refunds will be made after **September 12, 2014.**

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**Conference Contact for Cancellation Requests:**
Tara Wilson
Department of Neurological Surgery
Phone: (412) 864-1839 • Fax: (412) 864-3441
Email: wilsontl3@upmc.edu

The UPMC Center for Continuing Education in the Health Sciences reserves the right to cancel this program if sufficient registrations are not received. In the case of cancellation, the department will fully refund registration fees. However, other costs incurred by the registrant, such as airline or hotel penalties, are the responsibility of the registrant.

**Registration Fees**
- Physician — Early Registration (before August 19, 2014) = $75
  Registration (on or after August 19, 2014) = $100
- Nurse, Physician Assistant or other = $50
- Community Member = $25

**Registration fee includes:**
- Continuing education credit
- Course materials
- Continental breakfast, refreshments and lunch
- Q&A sessions and case courses
- Parking at Soldiers and Sailors Hall

**Special Needs**
Participation by all individuals is encouraged. Advance notification of any special needs will help us provide better service. Please notify us of your needs at least two weeks in advance of the program by calling (412) 864-1839.

**For Additional Information, Contact:**
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**For Up-To-Date Information on the Symposium**
Please visit our website at [neurosurgery.pitt.edu/dbs2014](http://neurosurgery.pitt.edu/dbs2014).