Course Faculty

COURSE CHAIR
Kim J. Burchiel, M.D., F.A.C.S. – *OHSU Neurological Surgery*

COURSE DIRECTOR
Ahmed Raslan, M.D. – *OHSU Neurological Surgery*

GUEST FACULTY
Ahmed AbdelBar, M.D. – *Ain Shams University*
Shabbar Danish, M.D. – *Rutgers University*
Jan Eckermann, M.D. – *Kern Medical Center*
Steven Falowski, M.D. – *St. Luke's Neurosurgical Associates*
Walid Abdel Ghany, M.D. – *Ain Shams University*
Simon Hanft, M.D. – *Rutgers University*
Andrew Ko, M.D. – *University of Washington*
Jonathan Miller, M.D., F.A.A.N.S. – *Case Western Reserve University*
Ashwin Viswanathan, M.D. – *Baylor College of Medicine*
Peter Weber, M.D. – *Sutter Pacific Medical Foundation*
Christopher J. Winfree, M.D., F.A.C.S. – *Columbia University*

OHSU FACULTY
Matthew Brodsky, M.D. – *Neurology*
William Cameron, Ph.D. – *Behavioral Neuroscience*
Jeremy Ciporen, M.D. – *Neurological Surgery*
Colin Roberts, M.D. – *Pediatric Neurology*
Nathan R. Selden, M.D., Ph.D., F.A.C.S., F.A.A.P. – *Neurological Surgery*
David Spencer, M.D. – *Neurology*

OHSU INSTRUCTORS
Aly Ibrahim, M.D. – *Neurological Surgery*
Michael Kinsman, M.D. – *Neurological Surgery*
Jesse Liu, M.D. – *Neurological Surgery*
Jeffrey Raskin, M.D. – *Neurological Surgery*

Course Sponsors

PLATINUM
Medtronic
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GOLD
DePuy Synthes and Codman – companies of Johnson & Johnson
Stryker

SILVER
Boston Scientific Neuromodulation

BRONZE
Cyberonics
DAY Surgical – Zeiss, DORO, Kirwan, Elekta
Integra
Monteris Medical
NeuroPace, Inc.
Samsung NeuroLogica

Course Location

VirtuOHSU Simulation and Surgical Training Center
Richard Jones Hall, 2nd Floor
3181 SW Sam Jackson Park Rd.
Portland, OR 97239

Contact Information

Department of Neurological Surgery
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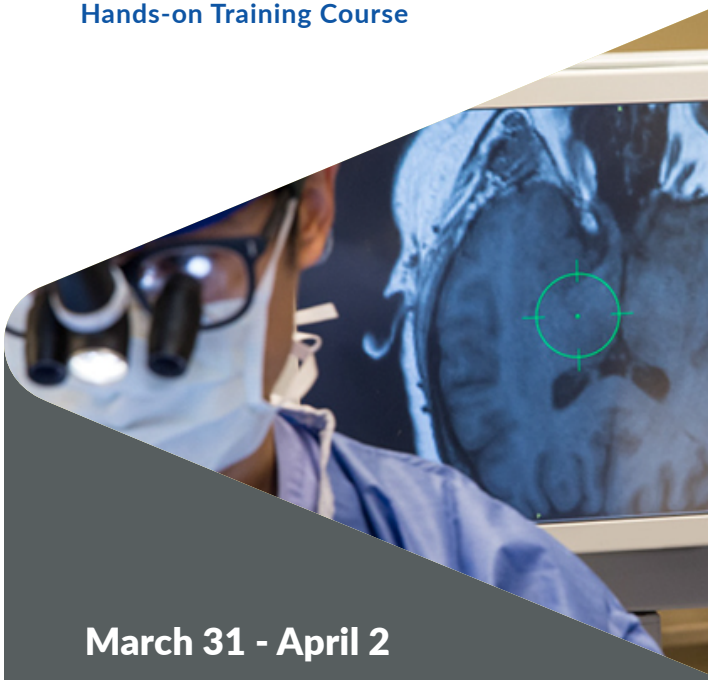
OHSU BRAIN INSTITUTE

Stereotactic and Functional Neurosurgery

Hands-on Training Course



March 31 - April 2

Oregon Health & Science University
VirtuOHSU Simulation and Surgical Training Center
Portland, Oregon

OHSU

Thursday, March 31

LECTURE SESSION 1 - RICHARD JONES HALL

6:30 a.m. **Shuttle pickup @ Residence Inn - Marriott**

7:00 a.m. **Breakfast and Registration**

8:00 a.m. **Welcome and Opening Remarks**
Kim Burchiel, M.D., William Cameron, M.D., Ahmed Raslan, M.D., Nathan Selden, M.D., Ph.D.

8:15 a.m. **History and Basis of Stereotaxis**
Ahmed Raslan, M.D.

8:45 a.m. **Deep Brain Stimulation: Targets and Evolution**
Matthew Brodsky, M.D.

9:15 a.m. **Asleep CT Guided Deep Brain Stimulation**
Kim Burchiel, M.D.

9:45 a.m. **Break**

10:00 a.m. **Stereotactic Ablative Surgeries**
Ashwin Viswanathan, M.D.

10:30 a.m. **Microelectrode Recording**
Jonathan Miller, M.D.

11:00 a.m. **Lunch and Group Photo**

LECTURE SESSION 2 - RICHARD JONES HALL

12:00 p.m. **Pre-surgical Localization of Epilepsy**
David Spencer, M.D.

12:30 p.m. **Temporal Lobe Resection(s) in Epilepsy Surgery**
Kim Burchiel, M.D.

1:00 p.m. **Vagal Nerve Stimulation**
Colin Roberts, M.D.

1:20 p.m. **RNS in Epilepsy**
Peter Weber, M.D.

1:50 p.m. **Laser Interstitial Thermal Therapy**
Shabbar Danish, M.D.

2:20 p.m. **Break**

2:30 p.m. **Cadaver Lab Pre-teaching**

LAB SESSION 1 - RICHARD JONES HALL

2:45 p.m. **Visualase**
Shabbar Danish, M.D., Simon Hanft, M.D.

NexFrames
Aly Ibrahim M.D., Michael Kinsman, M.D., Ashwin Viswanathan, M.D.

NeuroPace
Jesse Liu, M.D., Jeffrey Raskin, M.D., Ahmed Raslan, M.D., Peter Weber M.D.

6:45 p.m. **Transition/Travel Time**

EVENING - CENTER FOR HEALTH & HEALING

7:30 p.m. **OBI Welcome Dinner - Honoring Dr. Kim Burchiel**

9:30 p.m. **Shuttle Pickup - Return to Hotel**

Friday, April 1

LECTURE SESSION 3 - RICHARD JONES HALL

6:30 a.m. **Shuttle pickup @ Residence Inn - Marriott**

7:00 a.m. **Breakfast**

8:00 a.m. **Overview for Pain Surgery**
Ashwin Viswanathan, M.D.

8:30 a.m. **Facial Pain Classification and Pathophysiology**
Kim Burchiel, M.D.

9:00 a.m. **MVD**
Jonathan Miller, M.D.

9:30 a.m. **Peripheral Nerve Stimulation**
Christopher Winfree, M.D.

10:00 a.m. **Break**

10:15 a.m. **SCS: Basics**
Ahmed Raslan, M.D.

10:45 a.m. **SCS: Advanced**
Steven Falowski, M.D.

11:15 a.m. **DREZ Operation**
Andrew Ko, M.D.

11:45 a.m. **Lunch/Lecture Sponsored by Boston Scientific - Multiple Waveforms and Illumina 3D for Low Back Pain**
Jan Eckermann, M.D.

LECTURE SESSION 4 - RICHARD JONES HALL

12:45 p.m. **Spinal Cord Ablation for Pain**
Ahmed Raslan, M.D.

1:15 p.m. **Rhizotomies for Spinal Pain**
Ahmed AbdelBar, M.D.

1:45 p.m. **Break**

2:00 p.m. **Cadaver Lab Pre-teaching**

LAB SESSION 2 - RICHARD JONES HALL

2:15 p.m. **Paddle Spinal Cord Stimulation**
Steven Falowski, M.D., Michael Kinsman, M.D, Ashwin Viswanathan, M.D., Chris Winfree, M.D.

Temporal Lobectomy
Kim Burchiel, M.D., Jeremy Ciporen, M.D., Andrew Ko, M.D., Jonathan Miller, M.D., Ahmed Raslan, M.D

6:15 p.m. **Transition/Travel Time**

EVENING - DOERNBECHER VEY CONFERENCE CENTER

7:00 p.m. **Dinner/Lecture Sponsored by St. Jude - Advanced Topics in Neuromodulation**
Steven Falowski, M.D.

9:00 p.m. **Shuttle Pickup - Return to Hotel**

Saturday, April 2

LECTURE SESSION 5 - RICHARD JONES HALL

6:30 a.m. **Shuttle pickup @ Residence Inn - Marriott**
(Please bring all belongings with you, residents will leave directly from OHSU to PDX Airport)

7:00 a.m. **Breakfast**

8:00 a.m. **IDDS for Pain and Spasticity**
Michael Kinsman, M.D.

8:30 a.m. **Peripheral Neurotomy and Rhizotomy for Spasticity**
Walid Abdel Ghany, M.D.

9:15 a.m. **Brain Computer Interface**
Andrew Ko, M.D.

9:45 a.m. **Break**

10:00 a.m. **Cadaver Lab Pre-teaching**

LAB SESSION 3 - RICHARD JONES HALL

10:15 a.m. **DREZ**
Michael Kinsman, M.D., Ahmed Raslan, M.D.

MVD
Kim Burchiel, M.D., Jeremy Ciporen, M.D., Andrew Ko, M.D., Jonathan Miller, M.D., Ashwin Viswanathan, M.D.

RF Rhizotomy
Kim Burchiel, M.D., Steven Falowski, M.D., Ahmed Raslan, M.D., Jonathan Miller, M.D., Ashwin Viswanathan, M.D.

12:15 p.m. **Lunch**

1:00 p.m. **DREZ, MVD, RF Rhizotomy Labs Continued**

4:00 p.m. **Adjourn**

OHSU