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**BRAIN**  
*Institute*

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# Stereotactic and Functional Neurosurgery Course for Neurosurgeons and Neurologists

Wednesday, March 20 – Friday, March 22, 2024  
Oregon Health & Science University  
Portland, Oregon



**BRAIN**  
*Institute*

## Wednesday, March 20 - DAY 1 – Pain

### Lecture Session 1 – Richard Jones Hall

6:45 A.M. Shuttle Pickup

7:00 A.M. Registration and Continental Breakfast

7:45 A.M. Welcome and Opening Remarks

Kim Burchiel, M.D., Ahmed Raslan, M.D.

8:00 A.M. Business Considerations and Job Search in Functional Neurosurgery

Joseph Neimat, M.D.

8:25 A.M. Facial Pain Classification and Outcome - Kim Burchiel, M.D.

8:50 A.M. Microvascular Decompression for Cranial Nerves Compression

Syndromes - Christopher Honey, M.D., D.Phil.

#### 9:15 A.M. Break

9:30 A.M. Basic Principles of Neuromodulation - Kunal Gupta, M.D.

9:55 A.M. DRG/SCS Stimulation for Pain - Steven Falowski, M.D.

10:20 A.M. DBS for Pain - Sharona Ben-Haim, M.D.

10:45 A.M. DBS for Psychoaffective Brain Pathways

Sameer Sheth, M.D., Ph.D.

11:05 A.M. Lunch and Group Photo

### Lecture Session 2 – Richard Jones Hall

11:45 A.M. Spinal Ablation for Cancer Pain (Cordotomy, Myelotomy, and Tractomy) - Ashwin Viswanathan, M.D.

12:10 P.M. Dorsal Root Entry Zone (DREZ) - Michael Kinsman, M.D.

12:35 P.M. Trigeminal Pathway Ablation - Ahmed Raslan, M.D.

1:00 P.M. IDDS for Pain and Spasticity - Albert Lee, M.D.

1:20 P.M. Spinal Ablations for Chronic Pain - Ahmed Abdelbar Salem, M.D., Ph.D.

#### 1:55 P.M. Break

2:15 P.M. Cadaver Lab Pre-teaching - Ahmed Raslan, M.D.

### APP Cohort Session

2:15 P.M. - 4:15 P.M.

### Lab Session 1 – VirtuOHSU

2:30 P.M. MVD | SCS| DRG | RFL

2:30 P.M. DREZ | DRG | MVD | RFL

6:30 P.M. Transition/Travel Time

### Evening Events – Richard Jones Hall

6:30 P.M. Shuttle pickup - Return to Hotel

7:00 P.M. Shuttle pickup – Faculty at Hotel

7:30 P.M. Faculty Dinner

## Thursday, March 21 - DAY 2 - Epilepsy

### Lecture Session 3 – Richard Jones Hall

6:30 A.M. Shuttle Pickup

7:00 A.M. Continental Breakfast

7:30 A.M. High Channel Count Electrophysiology

Shadi Dayeh, Ph.D.

7:50 A.M. Who is a Candidate for Epilepsy Surgery?

Marissa Kellogg, M.D.

8:10 A.M. Pre-surgical Localization of Epilepsy

David Spencer, M.D.

8:30 A.M. Responsive Neurostimulation (RNS)

Lia Ernst, M.D.

8:50 A.M. RNS Surgical Perspective and New Indications

Jason Gerrard, M.D., PhD.

#### 9:10 A.M. Break

9:30 A.M. Vagus Nerve Stimulation (VNS)

Ittai Bushlin, M.D., Ph.D.

9:50 A.M. DBS for Epilepsy

Robert Fisher, M.D.

10:10 A.M. sEEG as a Clinical and Research Tool

Chen Wu, M.D.

10:30 A.M. Insular Epilepsy

Jon Willie, M.D., Ph.D.

10:50 A.M. HiFU

Robert Fisher, M.D.

11:10 A.M. Lunch and Round Table Questions – Spencer, Fisher, Wu, Ernst,

Willie

### Lecture Session 4 – Richard Jones Hall

12:10 P.M. Laser Interstitial Thermal Therapy (LITT)

Shabbar Danish, M.D.

12:30 P.M. Cortical Dysplasia and Extratemporal Resections in Epilepsy

Jeffrey Raskin, M.D.

12:50 P.M. Disconnection Surgery

Neena Marupudi, M.D.

1:10 P.M. Temporal Lobe Resection

Jason Schwalb, M.D.

1:30 P.M. Brain Mapping in Children

Kelly Collins, M.D.

1:50 P.M. Q&A

2:10 P.M. Anatomy Review | Cadaver Lab Pre-teaching - Andrew Ko, M.D.

#### 2:40 P.M. Break

### APP Cohort Session

3:00 P.M. - 5:00 P.M.

### Lab Session 2 – VirtuOHSU

3:00 P.M. LITT | Temporal Lobectomy

4:45 P.M. Neurostimulator Programing for Epilepsy DBS|RNS (Neurology)

### Evening Events – Doernbecher Children’s Hospital (Vey)

6:30 P.M. Change clothes |Travel Time

7:00 P.M. Course Dinner – 9:00 P.M. Shuttle Pickup - Return to Hotel

## Friday, March 22 - DAY 3 - Movement Disorders

### Lecture Session 5 – Richard Jones Hall

6:30 A.M. Shuttle Pickup

7:00 A.M. Continental Breakfast

7:30 A.M. Candidacy Considerations for Movement Disorders Surgery

Shannon Anderson, MPAS, PA-C

7:50 A.M. Target Selection for Movement Disorder Surgery

Delaram Safarpour, M.D.

8:10 A.M. Functional Post-op Pearls - Antonia Gragg, MS, PA-C

#### 8:30 A.M. BREAK

8:45 A.M. Awake DBS without MER - Erika Petersen, M.D.

9:00 A.M. Awake DBS with MER - Kai Miller, M.D.

9:15 A.M. Asleep DBS with MER - Zvi Israel, M.D.

9:30 A.M. Deep Brain Stimulation: Awake or Asleep? - Kim Burchiel, M.D.

#### 9:45 A.M Break

10:00 A.M. Imaging Based Target for DBS

Harith Akram, M.D

10:20 A.M. Advances in Neuromodulation

Adolfo Ramirez-Zamora M.D.

10:40 A.M. Closed-loop/Adaptive DBS

Kelly Foote, M.D.

11:00 A.M. CNS Ablation in Movement Disorders

Zeiad Fayed, M.D., Ph.D.

11:20 A.M. High Frequency Ultrasound

Daniel Cleary, M.D., PhD

11:40 A.M. Lunch

### Lecture Session 6 – Richard Jones Hall

12:25 P.M. Peripheral Nerve Stimulation for Pain

Konstantin Slavin, M.D.

12:45 P.M. Indirect Neuromodulation in Pediatric CP Hypertonia: The Peripheral Ablation

Walid Abdel Ghany, M.D., Ph.D.

1:05 P.M. Stimulation of the PSA for Tremors

Atilla Yilmaz, M.D.

1:25 P.M. Brain-Computer Interface

Andrew Ko, M.D.

#### 1:45 P.M. Break

2:00 P.M. Cadaver Lab Pre-teaching - Ahmed Raslan, M.D.

### APP Cohort Session

2:30 P.M. - 4:30 P.M.

### Lab Session 3 – VirtuOHSU

12:25 P.M. (Neurology Group) DBS Planning & Programing for Movement Disorders

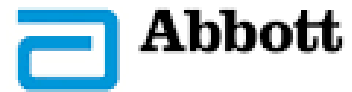
2:30-6:30 P.M. NeuroPace | NexFrame | Planning Targets | AlphaOmega

Robotic SEEG |ClearPoint Neuro

6:30 P.M. – Course adjourns

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