

*3rd Annual Mayo Clinic Advances and Innovations in Complex
Neuroscience Patient Care:
Brain and Spine 2020*

Advanced Practice Provider Hands-on Workshop: Neurosurgery Brain & Spine Concepts

Program Schedule

Wednesday, February 26, 2020

Pre-Course Workshop

10:00 a.m.	Registration and Refreshments – Meeting Village
10:30 a.m.	Welcome, Course Objectives Goals and Introduction of Bernard R. Bendok, M.D., Chair of Neurosurgery, Mayo Clinic in Arizona Orland K. Boucher, P.A.-C.; Alexandra (Lexy) E. Richards, D.N.P., FNP-BC
10:45 a.m.	Virtual Reality Neuroanatomy Workshop Bernard R. Bendok, M.D. ; Chandan Krishna, M.D.
11:25 a.m.	Brain Machine Interface: The Use of Machines to Maintain Neurological Function Interface of Neurogenic Degeneration or Profound Neurological Injury? Chandan Krishna, M.D.
11:35 a.m.	Neuroanatomy with Imaging Correlation: Spine and Brain Kara L. Curley, P.A.-C.
11:45 a.m.	Important and Often Overlooked Safety Considerations in Awake Craniotomies Patrick B. Bolton, M.D.
11:55 a.m.	Spine Malignancies and the Neurosurgical Role in Their Treatment Maziyar A. Kalani, M.D.
12:05 p.m.	Artificial Discs Implantation to Treat Cervical Spine Disease Maziyar A. Kalani, M.D.
12:15 p.m.	Lunch

- 12:45 p.m. **Adolescent Idiopathic Scoliosis**
Jamal McClendon, Jr., M.D.
- 12:55 p.m. **The Role of Neuro Monitoring in Acute Neurological Disease**
Sara M. Batson, CNIM R. EEG / EP T. CLTM
- 1:05 p.m. **Pain Management 101 for Spine Patients**
Christopher H. Bailey, M.D.
- 1:15 p.m. **Clear Point Improvement in Traditional Stereotactic Methodology in the Treatment of a Range of Neurological Diseases and Disorders**
JoDee A. Winter, P.A.-C., M.S.P.A.S.
- 1:25 p.m. **Brainstem Cavernomas:
Get This Raspberry Out of My Head**
Orland K. Boucher, P.A.-C.
- 1:35 p.m. **Emerging Technologies in Neuroscience**
Alexandra (Lexy) E. Richards, D.N.P., FNP-BC
- 1:45 p.m. **Gene Therapy for Parkinson Disease Treatment**
Joseph B. Farnsworth, P.A.-C.
- 1:55 p.m. **Acute Care Management for Intracranial Hemorrhage with Specific Focus on Reversal Agents**
Rudy Rahme, M.D.
- 2:05 p.m. **Neurosurgical Approaches to Epilepsy Management (Vagus Nerve Stimulator, Strip, Depth, Grid Electrodes Placement, and Responsive Neurostimulation)**
Richard S. Zimmerman, M.D.
- 2:15 p.m. **Beyond the Brain and Spinal Cord:
Peripheral Nerve Surgery**
Pelagia E. Kouloumberis, M.D.
- 2:25 p.m. **Stress Management and Practical Techniques to Quench the Flames of Burn Out**
Maria D. Mangione, Psy.D.
- 2:35 p.m. **Question and Answer**
Session Faculty

- 3:00 p.m. **Move to Workshop**
- 3:10 p.m. **Hands-on Workshop Section**
3 Stations – 20 minutes each rotation
- Cranial Plating**
Kara L. Curley, P.A.-C.
Alexandra (Lexy) E. Richards, D.N.P, F.N.P-B.C.
- Suturing Workshop**
Devi Patra, M.B.B.S.; Kara L. Curley, PA-C;
JoDee A. Winter, P.A.-C., M.S.P.A.S.
- External Ventricular Device Placement**
Pelagia E. Kouloumberis, M.D.;
Joseph B. Farnsworth, PA-C
- 4:10 p.m. **Move to General Session Room**
- 4:20 p.m. **Living with a Movement Disorder and How
Deep Brain Stimulation (DBS) Makes a Difference**
Shyamal H. Mehta, M.D., Ph.D.
- 5:00 p.m. **Advanced Practice Provider Workshop Adjourn**
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Neuroscience Patient Care: Brain & Spine**
- 6:00 – 7:00 p.m. **Course Welcome Reception and Early Registration – Meeting Village**