



**2025 Annual MEG Course**

**Wednesday, February 26, 2025**

**Baltimore Marriott Waterfront · Baltimore, Maryland**

<b>7:30 – 8:00 AM</b>	<i>Breakfast</i>
<b>8:00 – 11:50 AM</b>	<b><i>Part I: Principles and Practice of Clinical MEG</i></b>
8:00 AM	<b><i>Introduction, Welcome and Course Overview</i></b> <i>Ismail Mohamed, MD</i>
8:05 AM	<b><i>Neurophysiologic Basis and Recording Fundamentals of MEG and EEG</i></b> <i>Richard C. Burgess, MD, PhD</i>
8:50 AM	<b><i>The Logistics of MEG Operation and Practicing According to the ACMEG Clinical Practice Guidelines (CPG)</i></b> <i>Anto I. Bagic, MD, PhD</i>
9:35 AM	<i>Break</i>
<b>9:45 AM – 2:30 PM</b>	<b><i>Part II: Best Practices in Clinical MEG</i></b>
9:45 AM	<b><i>Best Practices in Clinical MEG – Patient Preparation and Data Acquisition</i></b> <i>John Mosher, PhD</i>
10:30 AM	<b><i>Dipole Modeling of Epileptiform Activity Using Equivalent Current Dipole (ECD) – How to Pick and Analyze a Spike</i></b> <i>Michael Funke, MD, PhD</i>
11:15 AM	<b><i>Other Mechanisms of Modeling Epileptiform Activity with MEG</i></b> <i>Jeffrey R Tenney, MD, PhD</i>
12:00 PM	<i>Lunch</i>
1:00 PM	<b><i>Normal Variants and Artifacts in MEG</i></b> <i>Richard C. Burgess, MD, PhD</i>
1:45 PM	<b><i>Source Modeling of Evoked Activity</i></b> <i>Susan Bowyer, PhD</i>
2:30 PM	<i>Break</i>

**2:40 – 5:00 PM**

***Part III: MEG Contributions to Patient Management***

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2:40 PM

***Evidence-Based MEG Indications in Presurgical Epilepsy Evaluation***

*Anto I. Bagic, MD, PhD*

3:25 PM

***MEG Role & Integration with Other Non-Invasive Modalities***

*Robert Knowlton, MD*

***CASE PRESENTATIONS***

3:55 PM

***Functional Mapping***

*Alison Kostandy, MD*

***Adult Epilepsy Cases***

4:10 PM

*Hesham Ghonim, MD*

4:25 PM

*Erika Pietzsch, MD*

***Pediatric Epilepsy Cases***

4:40 PM

*Ai Sumida, MD*

4:55 PM

*Michael Quach, MD*

5:10 PM

Wrap-Up Discussion

5:15 PM

Adjourn