

**Monday, September 8, 2008**

**12:00 noon**

**Blue Bird Auditorium, NB-137, Neurosensory Center**

## **Event-Related Desynchronization (ERD) in Functional Myoclonus (FM)**

**Zoltan Mari, M.D.**

**Assistant Professor of Neurology**

**Johns Hopkins University, School of Medicine**

### **Objectives:**

At the end of this presentation, participants should be able to:

- Review the basics of human cortical movement-related potentials associated with self-paced motor behavior.
- Understand the diagnostic challenges of functional/psychogenic myoclonus.
- Overview the advantages/disadvantages of time-based and frequency-based analysis of movement related potentials in highly artifact prone clinical settings

### **References:**

1. Terada, K., et al., Presence of Bereitschaftspotential preceding psychogenic myoclonus: clinical application of jerk-locked back averaging. *J Neurol Neurosurg Psychiatry*, 1995. 58(6): p. 745-7.
2. Cerutti, S., et al., A parametric method of identification of single-trial event-related potentials in the brain. *IEEE Trans Biomed Eng*, 1988. 35(9): p. 701-11.
3. Brown P, Thompson PD, Electrophysiological aids to the diagnosis of psychogenic jerks, spasms, and tremor, *Mov Disord*. 2001 Jul;16(4):595-9.
4. Mari, Z.; Matsushashi, M.; Matteson, S., and Hallett, M.: Event-Related Desynchronization (ERD) in Functional Myoclonus. P04.171. *Neurology* 64 (Suppl 1): p. A256, 2005.

### **Target Audience, Needs, Educational Methods, Activity Evaluation:**

Physicians, residents, fellows, and other healthcare professionals need to be updated about new advances in the clinical and research areas for the diagnosis, treatment, and management of patients with neurological disorders. Educational methods will include lectures, case presentations, audio/video presentations, and questions & answer sessions. Participants will be asked to complete an activity evaluation.

### **Accreditation/Credit Designation**

Baylor College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. Physicians should only claim credit commensurate with the extent of their participation in the activity.