

Interpretation and Clinical Applications of Dense Array EEG:

A Practical Workshop with Goran Lantz, M.D., Ph.D.

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A collaboration between Ann Arbor Rehabilitation Centers, The Center for Neurological and Neurodevelopmental Health (CNNH), and Electrical Geodesics, Inc. (EGI)

Who will benefit:

- neurologists
- neuropsychologists
- neuroscientists
- other interested clinicians

Aim of the workshop:

A substantial portion of the course will be devoted to teaching how to record, read and interpret dEEG, using hands-on techniques and case studies. There will also be sessions and case studies on obtaining dEEG studies for behaviorally challenged individuals without sedation or restraint. We will explore the power and utility of dEEG for managing patients with epilepsy and its potential for offering insights into other important clinical conditions such as concussion/brain injury, autism, ADHD, Tourette syndrome, and other comorbid conditions. This will allow attendees to derive the maximum benefit by gaining exposure to the broad range of patients that can be examined with the dEEG procedure in a clinical setting. Finally, we will discuss the techniques for presurgical preparation, if indicated for treatment of epilepsy.

Learning objectives:

As a result of workshop attendance, participants will gain practical knowledge and skills for reading, interpreting, and reporting dEEG studies and creating a dEEG clinical service.

Topics will include:

- the basic science of dEEG
- concepts of dipole modeling and source localization
- introduction to Net Station software
- clinical applications of dEEG in office-based practices and hospital settings
- hands-on sessions for reading dEEG compared to conventional EEG
- common pitfalls, generating useful reports, and case studies

Cost for this two-day workshop is \$775.00 per person.

Register by contacting workshops@egi.com.

