

EEG FUNDAMENTALS COURSE Registration Form

Attendee Name: _____

Title: _____

Facility Name: _____

Facility Address: _____

City, State, Zip Code: _____

Phone No.: _____

Fax No.: _____

Email Address: _____

Check One

- \$1995 EEG Fundamentals Course, (Day 1 – 2)
- \$2495 EEG Fundamentals and cEEG/Epilepsy Courses, (Day 3)

*Both options include tuition, air transportation
(if applicable) and lodging*

For more information, please contact Jeannie
Callahan at (800) 325-0283 ext. 3374 or
Jeannie_Callahan@nkusa.com

Email, Fax or Mail this completed registration form
to for available course dates:

Nihon Kohden America
Attn: Jeannie Callahan
90 Icon Street, Foothill Ranch, CA 92610
Ph: (800) 325-0283
Fax: (949) 271-5319 or (949) 580-1550
Jeannie_Callahan@nkusa.com

Serving the Best Minds in Neurology for Over Sixty Years.



NIHON KOHDEN AMERICA

EEG FUNDAMENTALS & cEEG/EPILEPSY COURSES

**2012 Course Dates TBD
(3 Day Program)**

Location:
Nihon Kohden America
90 Icon Street, Foothill Ranch, CA 92610

Instructor:
Sandy Nylund, B.S., R. EEG/EP T., CNIM

"Throughout the country there is a shortage of trained, experienced Neurodiagnostic technologists. This has led to hospitals cross training other allied health professionals to perform Neurodiagnostic exams. Few opportunities exist for trainees to attend courses in the fundamentals of EEG technology. Without these fundamental skills, technologists will have difficulty maximizing the utility of their EEG equipment. This training program will allow trainees not only the opportunity to learn basic EEG fundamentals, and transfer that knowledge directly when using their neurodiagnostic equipment. This will enhance the quality of recordings and increase overall customer satisfaction."

EEG FUNDAMENTALS COURSE
Course Objectives

- Participants will have an understanding of how to measure and apply electrodes in accordance with the International 10-20 system of electrode placement
- Participants will have a basic understanding of EEG technology including A-D conversion, impedance, common mode rejection, filters and sensitivity settings and montages
- Participants will have an understanding of what constitutes a technically satisfactory EEG recordings, with hyperventilation and photic stimulation techniques
- Basic understanding of normal and abnormal EEG patterns, as well as the neuroanatomy and physiology associated with EEG will be gained

EEG FUNDAMENTALS COURSE
Course Outline

Day 1

Anatomy and physiology related to the EEG recording	1 hour
EEG Technology	2 hours
Electrode placement	
Analog to digital conversion	
Filter and sensitivity settings	
Montages	
EEG Recording	1 hour
Minimum AEEGs Guidelines	
Recommended equipment settings	
Activation procedures	

Lunch

Head Measurement /Electrode Application	4 hours
Introduction to 10-20 electrode system	
Measurement and electrode application lab	
Hands on measurement	
Electrode placement	
Application techniques introduced, i.e. paste, collodion, needles, BraiNet	

Day 2

EEG Equipment Operation	4 hours
Participants will measure and apply electrodes, check impedances, acquire routine EEG with hyperventilation and photic stimulation.	
Lunch	
Normal and abnormal EEG patterns	1 hour
Artifacts and troubleshooting	1 hour
Wrap up, answering questions, reviewing any topics	1 hour

BASIC cEEG/EPILEPSY COURSE
Course Outline

Day 3

Understanding Epilepsy	1.5 hours
Seizure classification	
Treatment options	
Quality of Life Issues	
Managing the EMU	1.5 hours
Technologist/Nurse roles	
Seizure First Aid in the EMU	
Preparing patients/families for their EMU stay	
cEEG in the ICU	1 hour
Lunch	

Technical aspects of recording in the EMU/ICU	3 hours
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- Equipment
- Electrodes
- Surface, sphenoidal, intracranial
- Montages
- Data analysis software
- Reveal, DSA, Magic Marker

Questions and answers

EEG Fundamentals Course
(2 days): \$1995

EEG Fundamentals + cEEG/Epilepsy Courses*
(3 days): \$2495

***cEEG/Epilepsy Course: (1 day)**

Both options include tuition, air transportation (if applicable) and lodging

Instructor Biography:

Sandy Nylund, B.S., R. EEG/EP T., CNIM

Sandy has spent the past 37 years working in the field of Neurodiagnostics. She has served as course director and workshop instructor for both ASET and WSET. Having served as an ASET and WSET board member, Sandy has helped develop national competency standards for the performance of EEG. Having trained numerous technologists in hospital based programs, her practical method of teaching basic EEG skills has prepared these students to become qualified Neurodiagnostic technologists. The limited number of students in this course will allow individual training needs to be met. Whether the need is to learn the very basics of EEG, or to develop a long term EEG monitoring program, skills developed during this course will enhance the success of either.