



BASIC EEG TECHNOLOGY COURSE
Registration Form

Attendee Name: _____

Title: _____

Facility Name: _____

Facility Address: _____

City, State, Zip Code: _____

Phone No.: _____

Fax No.: _____

Email Address: _____

Check One

- \$1995 Basic EEG Course, October 12-13, 2010
 \$2495 Basic EEG and cEEG/Epilepsy Courses,
October 14, 2010

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

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

Mail or Fax this completed registration form
by September 10, 2010 to:

Nihon Kohden America
Attn: Jeannie Callahan
90 Icon Street, Foothill Ranch, CA 92610
Ph: (800) 325-0283 Fax: (949) 580-1550

Serving the Best Minds in Neurology for Over Fifty Years.



**NIHON KOHDEN
AMERICA**

**BASIC EEG TECHNOLOGY &
cEEG/EPILEPSY COURSES**

October 12 - 14, 2010

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 Nihon Kohden equipment. This training program will allow trainees not only the opportunity to learn basic EEG fundamentals, but to transfer that knowledge directly to the use of their Nihon Kohden equipment. This will enhance the quality of recordings and increase overall customer satisfaction."

BASIC EEG TECHNOLOGY 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

BASIC EEG TECHNOLOGY COURSE
Course Outline

Day 1 (October 12 - 13, 2010)

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
October 14, 2010

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

Equipment
Electrodes
 Surface, sphenoidal, intracranial
Montages
Data analysis software
 Reveal, DSA, Magic Marker

Questions and answers

Basic EEG Technology Course
October 12 - 13, 2010

Basic EEG Tech Course: \$1995
Basic EEG Tech + cEEG/Epilepsy Course*: \$2495

***cEEG/Epilepsy Course: October 14, 2010**

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 35 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.