



EEG FUNDAMENTALS & cEEG IN THE
CRITICAL CARE COURSES
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, (Sept 12 - 13)
 \$2495 EEG Fundamentals and cEEG in the Critical
Care Courses, (Sept 12 - 14)
 \$1695 cEEG in the Critical Care Course, (Sept 14)

*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@nihonkohden.com

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

Nihon Kohden America
Attn: Jeannie Callahan
15353 Barranca Parkway, Irvine, CA 92618
Ph: (800) 325-0283
Fax: (949) 271-5319
Jeannie.Callahan@nihonkohden.com

Different Thinking for Better Healthcare.®



NIHON KOHDEN AMERICA

**EEG FUNDAMENTALS & cEEG IN THE
CRITICAL CARE COURSES**

**September 12-14, 2017
(3 Day Program)**

Location:

Nihon Kohden America
15353 Barranca Parkway
Irvine, CA 92618

Instructor:

Christian Libres, R. EEG T.

The course objectives are designed to enhance the skill set for the fundamentals of EEG technology in the clinical and cEEG Critical Care settings. As the shortage of qualified EEG technologists continues and the need for 24/7 clinical coverage expands, there is a current environment of cross trained EEG technologist who would benefit from understanding the EEG basic fundamentals as well as the clinical and management aspects of continuous EEG monitoring in the ICU. These basic fundamentals will help the attendee understand the why and necessity of recording an EEG and utilizing those skills to enhance the quality of their recordings. 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.



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

cEEG IN THE CRITICAL CARE COURSE Course Outline Day 3

cEEG in the Critical Care Area 1.5 hours
Understanding Seizures
Clinical Applications of cEEG
Neuro ICU
Clinical Applications in the
Neonatal and Cardiac ICU

Management of a cEEG Program 1.5 hours
Establishing a cEEG program
Technologist/Nurse roles
The Business Aspects of cEEG

Quantitative EEG and Trending 1 hour

Lunch

Data and Workflow Analysis 1 hour

Technical aspects of recording in the
Critical Care Areas 3 hours

Equipment
Electrodes Options
Montages
Troubleshooting

Questions and answers

EEG Fundamentals Course
–September 12-13, 2017 (2 days): \$1995

cEEG IN THE CRITICAL CARE COURSE*
–September 12-14, 2017 (3 days): \$2495

***cEEG In The Critical Care Course:**
September 14, 2017 (1 day): \$1695

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

Instructor Biography:

Christian Libres, R. EEG T., Neurocritical Care
Product Manager

Christian has spent the past 23 years in the field of Neurodiagnostics. He has a wide range of experience in all aspects of the field, including Neurodiagnostics management, Intra-operative monitoring and extensive ICU and EMU continuous care EEG monitoring. Christian assisted in developing national competency standards for the performance of EEG within his past hospital environment. Having trained numerous technologists in hospital based programs, his 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.