NDT A282: NDT ABRET REGISTRY EXAM PREP

Item	Value
Curriculum Committee Approval Date	10/05/2022
Top Code	121200 - Electro-Neurodiagnostic Technology
Units	1 Total Units
Hours	24 Total Hours (Lecture Hours 24)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Open Entry/Open Exit	No
Grading Policy	Standard Letter (S)

Course Description

Comprehensive review of Neurodiagnostic Technology concepts in preparation for the ABRET National Registry Board Exam (R.EEG T.) PREREQUISITE: NDT A115. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Demonstrate knowledge and application of EEG concepts in the Neurodiagnostic field of practice.

Course Objectives

- 1. Demonstrate acquired EEG skills by successfully completing a simulated registry examination of at least 200 questions.
- 2. Evaluate/interpret EEG trace findings for demonstration of comprehension of EEG activity and report findings in the neonate, pediatric and adult patients.
- 3. Discriminate common EEG artifacts and implement troubleshooting techniques to eliminate or monitor event.
- 4. Adhere to appropriate standards for the Neurodiagnostic field related to ethics and practice.

Lecture Content

EEG Equipment ACNS Guidelines Electrodes Core components Ancillary Equipment EEG Instrumentation Controls Impedance Calibration Patient History Routine EEG Setup and Performance Activations Waveform Analysis EEG Pattern Recognition Neonatal Pediatric Adult Seizure Classification Common Neurological Disorders Neonatal Pediatric Adult Recording Strategies Troubleshooting techniques Artifacts Disinfection Protocols Safety Practices Precautions Instrumentation Disinfection Practices Patient Case Scenarios ABRET Code of Ethics

Lab Content

There is no lab content for this course.

Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)
- DE Online Lecture (02X)

Instructional Techniques

Lecture PowerPoint Practice exams Interactive modules Discussions Patient Case Scenarios

Reading Assignments

(1.5 hours/week) Read assigned texts, journal articles, and ACNS guidelines.

Writing Assignments

Written Technical impressions from Discussion board assignments of EEG tracings.

Out-of-class Assignments

(1.5 hours/week) Practice quizzes and Discussion board assignments.

Demonstration of Critical Thinking

Short quizzes and Final exam to show knowledge and proficiency of EEG concepts.

Required Writing, Problem Solving, Skills Demonstration

Written technical impressions require students to use EEG language for accurate descriptions of waveforms and proper interpretation.

Eligible Disciplines

Diagnostic medical technology-diagnostic medical sonography, neurodiagnosti...: Any bachelor's degree and two years of professional experience, or any associate degree and six years of professional experience.

Periodicals Resources

1. . AJET- The Neurodiagnostic Journal, Volume 2021

Other Resources

1. Instructor provided handouts available on LMS.