

ABRET 2013 Computer-Based Examination
Part I: FUNDAMENTAL CONCEPTS
(100-150 Questions)

- I. Patient History (12%)
 - A. Elements of a history
 - B. Use of medical terminology
 - C. Common medications
 - D. Neurologic examination
 - E. Diagnostic procedures (MRI, PET, etc)
 - F. Knowledge of HIPAA

- II. Common neurologic disorders (20%)
 - A. CNS infections
 - B. Head injury
 - C. Psychiatric disorders
 - D. Seizures and classifications
 - E. Toxic and metabolic disorders
 - F. Tumors
 - G. Vascular disease
 - H. Degenerative diseases
 - I. Headache
 - J. Neuropathology
 - K. Sleep and consciousness
 - L. Basic neuroanatomy
 - M. Basic neurophysiology

- III. Prepare the patient (20%)
 - A. Measuring for electrode placement
 - B. 10-20 application
 - C. Techniques for applying electrodes
 - D. Electrode properties
 - E. Obtaining acceptable impedances
 - F. Related MSDS/OSHA standards
 - G. Patient Safety

- IV. Basic EEG Concepts (25%)
 - A. ACNS Guidelines
 - B. Basic recording strategy
 - C. Proper sensitivity and filter settings
 - D. Documentation
 - E. Correlating patient behaviors

- V. Instrumentation (15%)
 - A. Use of recording equipment
 - B. Basic electronics
 - C. Electrical safety
 - D. Grounding
 - E. Characteristics of the differential amplifier

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- F. Digital instrumentation
- G. Calibration

- VI. Post study procedures (2%)
 - A. Infection control
 - B. Related MSCS/OSHA standards
 - C. Cleaning electrodes
 - A. Digital instrumentation
 - B. Basic computer skills
 - C. HIPAA considerations
 - D. Equipment maintenance

- VII. Conduct in Practice (3%)
 - A. ABRET Code of Ethics
 - B. Joint Commission *National Patient Safety Goals*
 - C. HIPAA

- VIII. Patient Safety (3%)
 - A. Sedation
 - B. Infection control
 - C. Allergies and sensitivity
 - D. MSDS/OSHA standards
 - E. Electrical safety techniques
 - F. Seizure precautions