

ABRET 2013 Computer-Based Examination  
Part II **CLINICAL APPLICATION**  
(200-250 Questions)

- I. Effect of Neurological Disorders on the EEG (10%)
  - A. CNS infections
  - B. Head/CNS Trauma
  - C. Psychiatric disorders
  - D. Seizures and classifications
  - E. Toxic and metabolic disorders
  - F. Tumors
  - G. Vascular disease
  - H. Degenerative diseases
  - I. Headache
  - J. Neuropathology
  
- II. Considerations in the Recording (10%)
  - A. Communication with patient
  - B. Age-specific considerations
  - C. Contraindications to activation
  - D. Effects of medications on recording and patients
  - E. Coma and Altered Mental Status
  - F. Managing clinical events
  - G. Infection control
  - H. Basic Cardiac Abnormalities
  
- III. EEG Recording (40%)
  - A. Documentation
  - B. Correlating patient behaviors
  - C. Normal Adult EEG
  - D. Normal Pediatric EEG
  - E. Normal Neonatal EEG patterns
  - F. Abnormal EEG
  - G. Montage selection
  - H. Localization and Polarity
  - I. Activation Techniques
  - J. Identifying and Correcting Artifacts
  - K. Troubleshooting
  - L. Normal Variants
  - M. Sleep patterns
  
- IV. Modification of Recording Strategy (40%)
  - A. Electrographic correlates
  - B. Selection of recording and parameters
  - C. Use of filters
  - D. ECI recordings and guidelines
  - E. Waveform analysis and identification

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- F. Measurements of frequency, voltage and duration
- G. Monitoring techniques
- H. Identifying clinical events
- I. Non-standard montages and electrodes
- J. Non-standard activation procedures