

MULTIPLE CHOICE QUESTION BASED ON NEWER ANTI-EPILEPTIC DRUGS

- Q.1 Which of the following conditions should be met for speech arrest during cortical stimulation to reliably indicate that the electrode overlies language-eloquent cortex?
- A) Effects on tongue mobility
 - B) No significant EEG after discharge
 - C) Eloquent reference electrode
 - D) Patient has a seizure
- Q.2 Which of the following is the most highly significant and characteristic electrocortigraphic finding of focal cortical dysplasia?
- A) Continuous repetitive discharges
 - B) High amplitude spikes
 - C) High frequency oscillations
 - D) EEG seizures with no clinical signs
- Q.3 When comparing subdural and stereotactic depth electrodes, which of the following is false?
- A) Subdural electrodes may afford more extensive mapping of eloquent cortex
 - B) Stereotactic depth electrodes may afford more precise recording from deeper regions away from the cortical surface
 - C) Subdural electrodes have a lower risk of complications than stereotactic depth electrodes
 - D) Subdurals are more difficult to explant
- Q.4 At one year after resective epilepsy surgery, factors favorable for consideration of medication withdrawal include which of the following?
- A) No postoperative seizures
 - B) No epileptiform discharges on EEG
 - C) No mitigating factors suggesting incomplete resection
 - D) All of the above
- Q.5 Which antiepileptic drug regimen combines drugs with different mechanisms of action?
- A) Lamotrigine + Carbamazepine
 - B) Lamotrigine + Eslicarbazepine
 - C) Phenytoin + Carbamazepine
 - D) Lamotrigine + Clobazam
- Q.6 Which of the following conditions has been identified as a highest risk factor for non-convulsive status epilepticus?
- A) Coma in the setting of intracerebral hematoma
 - B) History of bipolar disorder
 - C) Acute ischemic stroke
 - D) Liver failure

- Q.7 What is the approximate percentage of patient with altered mental status found to be having seizures on EEG in the ICU?
- A) 1–5%
 - B) 20–30%
 - C) 80–90%
 - D) 70–80%
- Q.8 Which ICU EEG application can help detect seizures and display multiple hours of EEG on a single screen?
- A) Quantitative EEG (Trend Analysis)
 - B) High frequency oscillations
 - C) Magnetoencephalography (MEG)
 - D) Using EEG filters
- Using silver epoxide coated plastic electrodes All of the above
- Q.9 All except which of the following interventions may help to reduce the risk for suicide in youths with epilepsy?
- A) Ask directly about mood and suicidal ideation at clinic visits
 - B) Perform mental health screening at least every 6 months or with treatment changes
 - C) Avoid discussing suicide with suggestible teens
 - D) Sending all to psychiatry OPD
- Q.10 All of the following are true regarding contraception in women with epilepsy EXCEPT which of the following?
- A) Estrogen activates seizures in one third of women with epilepsy
 - B) Oral hormonal contraception inhibits the metabolism of lamotrigine
 - C) Enzyme-inducing antiepileptic medications are associated with increased risk of oral contraceptive failure
 - D) Intrauterine device is preferred in those with one child.

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