

MULTIPLE CHOICE QUESTION – PHARMACOTHERAPY OF EPILEPSY

- Q.1 Which of the following Anti-Epileptic Drugs (AEDs) should be avoided in an ICU patient who is on meropenem for pneumonia?
- A) Sodium Valproate
 - B) Levetiracetam
 - C) Lacosamide
 - D) Midazolam
- Q.2 All of the following AEDs except one are consider to be enzyme-inducing AEDs
- A) Phenytoin
 - B) Carbamazepine
 - C) Primidone
 - D) Sodium Valproate
- Q.3 The proposed mechanism of action for Levetiracetam is:
- A) Modifies synaptic release of glutamate and GABA through action on vesicular function
 - B) Enhances slow inactivation of voltage-gated Sodium Channels
 - C) Inhibits Carbonic Anhydrase
 - D) Irreversibly inhibits GABA aminotransferase
- Q.4 Rufinamide is indicated for
- A) Adjunctive treatment of focal epilepsy
 - B) Adjunctive treatment of the Lennox-Gastaut Syndrome
 - C) Generalized tonic-clonic seizures
 - D) Status Epilepticus
- Q.5 Which of the following side-effects can be attributed to Topiramate?
- A) Nephrolithiasis
 - B) Gingival hyperplasia
 - C) Hemorrhagic Pancreatitis
 - D) Weight gain
- Q.6 Fatal cases of aplastic anemia have been reported with use of the following AEDs:
- A) Levetiracetam and Pregablin
 - B) Carbamazepine and Felbamate
 - C) Lacosamide and tiagabine
 - D) Phenytoin and phenobarbital
- Q.7 Ethosuximide is indicated for treatment of:
- A) Focal epilepsy
 - B) Generalized tonic-clonic seizures
 - C) Generalized non-motor (absence) seizures
 - D) Unclassified epilepsy

Q.8 Idiosyncratic reactions of Valproate include all of the following except

- A) Hepatotoxicity
- B) Pancreatitis
- C) Thrombocytopenia
- D) Psychosis

Q.9 Chronic dose-related adverse effects of valproate include all of the following except

- A) Weight gain
- B) Hair loss
- C) Peripheral neuropathy
- D) Endocrine and metabolic changes

Q.10 Vigabatrin is indicated for myoclonic epilepsy

- A) True
- B) False

Dr. Sunita Dergalust PharmD, BCPS
Adjunct Clinical Faculty at USC School of Pharmacy
Clinical Pharmacist in Neurology and Neurosurgery
Residency Program Director: PGY2 Neurology Specialty Pharmacy Program
West LA VA Medical Center
VA Greater Los Angeles Healthcare System
11301 Wilshire Blvd (119)
Los Angeles, CA 90073

Answer Keys -

- 1) A
- 2) D
- 3) A
- 4) B
- 5) A
- 6) B
- 7) C
- 8) D
- 9) C
- 10) B