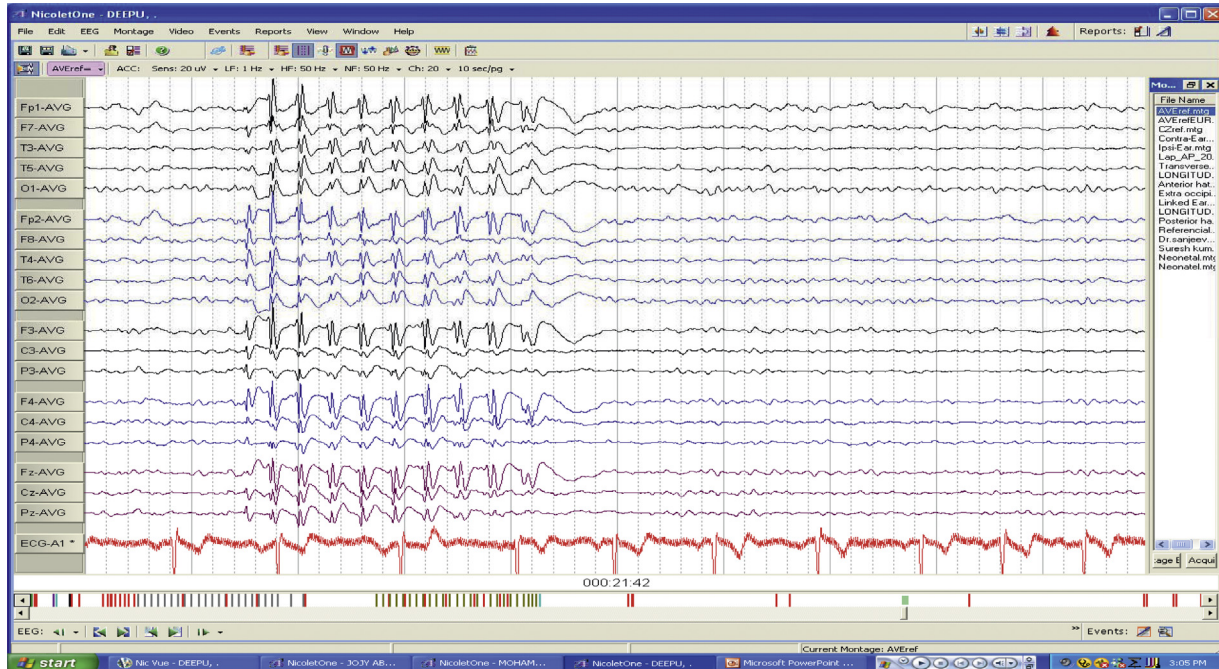


# MULTIPLE CHOICE QUESTION BASED ON NEWER ANTI-EPILEPTIC DRUGS

- Q.1 A 6 year old boy suffering from Gilbert syndrome, presented with seizure characterized by sudden behavioural arrest, unresponsiveness, and a blank stare typically lasting for a few seconds to half a minute and 1 episode of generalized seizure. With The ictal EEG findings consist of 3 Hz spike and wave complexes with occasional occipital paroxysmal bursts preceding the generalized discharges



Which of the following drug is most useful in this patient for seizure control?

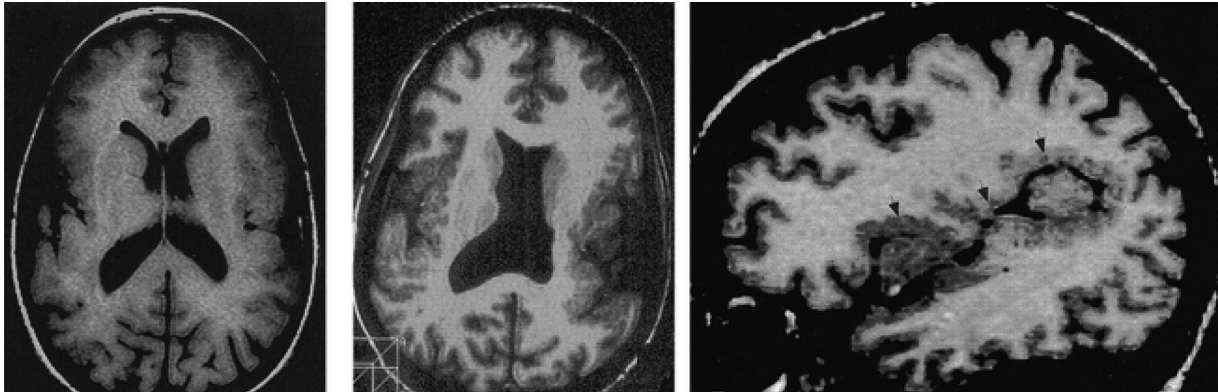
- A) Valproic acid
  - B) Levetiracetam
  - C) Ethosuximide
  - D) Oxycarbazepine
- Q.2 A 70-year-old woman with a history of osteoporosis presents with newly diagnosed partial epilepsy believed to have resulted from an old right middle cerebral artery infarct. She was started on phenytoin in the emergency department 1 month ago. She is otherwise healthy and takes no medications other than aspirin, simvastatin, and a bisphosphonate.
- Which of the following anticonvulsants is most appropriate for long-term seizure control in this patient?
- A) Carbamazepine
  - B) Lamotrigine
  - C) Phenytoin
  - D) Valproic Acid
- Q.3 30 year old business man presented with new-onset complex partial seizure with focal left temporal sharp waves, with atopy, allergy, and migraine, started on carbamazepine developed rashes on day 3. Which of the following newer antiepileptic is useful for this patient?

- A) Levetiracetam
- B) Lacosamide
- C) Lamotrigine
- D) Topiramate

Q.4 26 year old female, teacher by occupation, having seizure since the age of 21, she was under valproate. Once she got married and planning for baby she was switched over to lamotrigine. She delivered a healthy baby, now worried about whether she can feed the baby? What action would be best in this patient?

- A) Change to Topiramate and continue breast feed
- B) Get back to sodium valproate and continue breast feed
- C) Stop Breastfeed and advise Top feed for the baby
- D) Continue on lamotrigine and continue to breast feed

Q.5 8 year old boy with psychomotor retardation and frequent drop attacks started at the age of 5 years, with multiple seizure types including GTCS, myoclonic jerks, typical absence seizures, with has a Characteristic EEG abnormalities suggestive of Lennox-Gastaut syndrome LGS. He had poor school performance and learning disability, MRI showed bilateral perisylvian polymicrogyria. Her routine workup showed prolonged Q-R interval and P-R interval in ECG.



<http://www.ajnr.org/content/20/10/1814.full>

Which AED is effective and optimal in this patient?

- A) Lacosamide
- B) Topiramate
- C) Rufinamide
- D) Ezogabine

Q.6 30 year old bank employer, had head trauma SDH operated and had seizure, RT focal with secondary generalization, even after discharge had two to three episodes of seizure in a week. She was under Oral contraceptive pills. Which of the following will be safe and effective?

- A) Carbamazepine
- B) Lamotrigine
- C) Levitiracetam
- D) Oxcarbazepine

Q.7 A 17 year old girl had acute tubular necrosis and renal failure; elevated renal parameters developed spontaneous intracranial haemorrhage and had RT focal seizure with secondary generalization, which of the following drug is safe in this patient.

- A) Levitiracetam
- B) Topiramate
- C) Lacosamide
- D) Tiagabine

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