

## MULTIPLE CHOICE QUESTION ON EPILEPSY SURGERY (CORRECT ANSWER IS IN BOLD AND UNDERLINED)

- Q.1 If the patient has failed 2 drugs in their appropriate combination and dosage, the likely chance of the third drug to control epilepsy would be
- A) <5%
  - B) 10–20%
  - C) 20–30%
  - D) 40–50%
- Q.2 Which of the following facts about drug resistant epilepsy (DRE) is NOT true?
- A) DRE occurs as a result of long standing acquired drug resistance
  - B) DRE is do novo and can be identified early in the course of disease
  - C) DRE may be suspected when the response to first drug fails
  - D) The only viable option for DRE is epilepsy surgery
- Q.3 Which of the following is NOT true about epilepsy surgery?
- A) This is a surgery performed primarily for curing/controlling drug resistant epilepsy
  - B) MRI has to show a lesion for the surgery to be successful
  - C) Multi-modal imaging clearly identifies the epileptogenic networks
  - D) The 10 year seizure free outcome for mesial temporal sclerosis ranges from 50–60%
- Q.4 Which of the following is NOT a curative surgery?
- A) Hemispherotomy
  - B) Multiple sub-pial transection
  - C) TPO disconnection
  - D) Lesionectomy
- Q.5 Which of the following is NOT true about hippocampal sclerosis surgery?
- A) Recent meta-analysis has shown better outcome for a standard temporal lobectomy combined with amygdalo-hippocampectomy when compared to selective amygdalo-hippocampectomy
  - B) Hippocampus has to be resected upto the level of superior colliculus to ensure better outcomes
  - C) Both dorsal and ventral amygdala has to be excised to ensure a seizure free outcome
  - D) The adjacent structures like entero-rhinal cortex, uncus, para-hippocampal cortex also has to be excised
- Q.6 Which of the facts is NOT true about hemispherotomy?
- A) Functional hemispherotomy was first described by Rasmussen
  - B) There are basically 2 techniques for hemispherotomy- per-insular and vertical trans-cortical
  - C) Hemispherotomy provides one the best outcomes in epilepsy surgery
  - D) The chief reason that the anatomical hemispherectomy was given up was due to post operative hydrocephalus

- Q.7 Which of the following is the most relevant indication for corpus callosotomy?
- A) Lenox-Gestaut with drop attacks
  - B) DRE without any localization
  - C) Infantile spasms
  - D) Myoclonic jerks
- Q.8 Which of the following is NOT true about surgical aspect of focal cortical dysplasia?
- A) Electro corticography is useful for localization and resection
  - B) Trans mantle sign is found in Type I Palmini
  - C) FCD may be associated with certain tumors
  - D) Hemi-megencephaly is a very severe form of FCD
- Q.9 Which of the following is NOT true about vagal nerve stimulation?
- A) VNS should be treated like another drug
  - B) VNS leads to about 50% seizure free outcome in about 50% of cases
  - C) VNS has similar indications as for corpus callosotomy
  - D) VNS may be also indicated in certain lesional cases
- Q.10 Which of the following is NOT true about SEEG?
- A) It may be performed using both a robotic device and standard stereotactic frame even the former is more convenient
  - B) Has lesser morbidity than standard depth electrodes
  - C) Is performed using a burrhole
  - D) Since it is fitted using an anchor bolt, may be explanted easily

Dr. P. Sarat Chandra  
Professor  
Dept. of Neurosurgery  
All India Institute of Medical Sciences, New Delhi