

each escalation. The endpoint would be considered a dose beyond which a reasonable change of seizure-freedom is unlikely. To attempt or maintain daily dosages above which there have been clinical trials completed, the patient should be informed of the unknown risks. Restrictions of maximum daily dosages by insurance formularies, or deferred costs to the patient may be the deciding factor.

References

1. Boling W, Aghakhani Y, Andermann F, Sziklas V, Olivier A. Surgical treatment of independent bitemporal lobe epilepsy defined by invasive recordings. *J Neural Neurosurg Psychiatry*. 2009;80(5):533-538.
2. Jonker DM, Voskuyil RA, Danhof M. Synergistic combinations of anticonvulsant agents: what is the evidence from animal experiments? *Epilepsia*. 2007;48(3):412-434.
3. French JA, Faught E. Rational polytherapy. *Epilepsia*. 2009;50(suppl. 8):63-68.

CASE IN POINT: EVIDENCE-BASED INSIGHTS FOR EPILEPSY MANAGEMENT

MANAGEMENT OF EPILEPSY IN DRUG-RESISTANT PATIENTS

CME QUESTIONS

1. A patient must fail ≥ 4 adequate trials of appropriately chosen and used antiepileptic drug (AED) trials before being considered drug resistant, according to an ad hoc Task Force of the International League Against Epilepsy Commission on Therapeutic Strategies.
 - A. True
 - B. False
2. Vagus nerve stimulation and the Responsive Neurostimulator System are the only surgical options approved by the United States Food and Drug Administration for epilepsy treatment.
 - A. True
 - B. False
3. Among pharmacologic treatment options for epilepsy, which of the following drugs has not been approved by the FDA for epilepsy?
 - A. Lamotrigine
 - B. Topiramate
 - C. Vigabatrin
 - D. Clobazam
4. A modified Atkins—low carbohydrate, high protein—diet has been shown to benefit patients with epilepsy, although also caused increased cholesterol among other side effects.
 - A. True
 - B. False
5. There are no clinical trials addressing the usefulness of AED combinations, despite clinicians beliefs about the utility of combination therapy.
 - A. True
 - B. False
6. It has been shown that patients with epilepsy are not referred for potential surgical intervention how many years following symptom onset?
 - A. 2
 - B. 13
 - C. 15
 - D. 22
7. Drug resistant epilepsy patients have been shown to often achieve freedom from seizures without side effects on available and approved AEDs.
 - A. True
 - B. False
8. As more states in the US allow an exemption from criminal penalties for defined patients who possess and use medical marijuana under physician supervision, use of marijuana for treatment of epilepsy has gained increased attention among researchers.
 - A. True
 - B. False