



Continuing Education Questionnaire

Topic: Neurosurgical Perspectives on Stroke

Date: September 25, 2020

Write Your Name:

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1. What are reasons that a stroke often has lasting impairments?
 - a. Most patients present immediately to the emergency room when stroke symptoms are present
 - b. There is usually adequate warning before a stroke to treat the underlying risk factors
 - c. Brain cells can regenerate to allow recovery
 - d. Brain cells die within minutes in the absence of oxygen and nutrients

2. Which is not a controllable risk factor for stroke?
 - a. Obesity
 - b. Smoking
 - c. Age over 70 years
 - d. Exercise routine

3. Which is a feature of a TIA?
 - a. There is not any blockage of blood flow to the brain
 - b. Symptoms generally resolve in 2-3 hours
 - c. They are caused by emboli or dislodged arterial plaque from arteries or the heart
 - d. A stroke or another TIA will never recur



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4. How do strokes effect the U.S. economy?
 - a. It is the leading cause of death in the U.S.
 - b. Direct and indirect costs of stroke are minor
 - c. Stroke results in long-term disability more than any other cause
 - d. Increasing hospital costs are reducing access to care

5. What is the most common 'clot busting' drug that can be given either intravenously (I.V.) or intra-arterially (I.A.)?
 - a. Warfarin
 - b. Plavix
 - c. Aspirin
 - d. Tissue plasminogen activator (tPA)

6. When should a patient consider a carotid endarterectomy surgery?
 - a. To alleviate chronic neck pain
 - b. After experiencing a TIA, a carotid ultrasound demonstrates a severe (>70%) vessel blockage
 - c. To allow continued smoking without the risk of stroke
 - d. Routine surveillance ultrasound ordered by the primary care demonstrates a 50% vessel blockage

7. Which is true for carotid angioplasty and stenting?
 - a. Stroke risks are high for these procedures
 - b. The procedure is performed through an incision in the neck
 - c. The vessel occlusion time is less than that for open carotid endarterectomy surgery
 - d. Patients with severe medical risks should undergo an open endarterectomy surgery



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8. Which brain location is most likely to require surgery to remove a hemorrhage?
- a. Cerebellum
 - b. Brain stem
 - c. Frontal lobe
 - d. Hypothalamus
9. What are the characteristics of brain aneurysm anatomy?
- a. Most are located in the posterior circulation
 - b. Most aneurysms are multiple
 - c. Most occur at a weak point at a branch or vessel bifurcation
 - d. Most occur when a patient also has an abdominal aortic aneurysm
10. Aneurysms can cause sudden death and disability for a relatively young population. What is not a predictor of a favorable outcome?
- a. The patient has Marfan's syndrome
 - b. The aneurysm is treated early to avoid rebleeding
 - c. The patient is 38 years old
 - d. The patient has a severe headache and nausea at presentation to the ED but is fully conscious