



Continuing Education Questionnaire

Topic: The History of Open Brain Aneurysm Surgery

Date: November 19, 2021

Write Your Name: _____

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1. How common are aneurysm ruptures in the US population?
 - a. <1% of all strokes in the US
 - b. 5% of the population
 - c. 3-5% of all stroke
 - d. 1 in each state per year

2. What is a correct characteristic of an intracranial aneurysm?
 - a. Most become symptomatic only when they expand to large or giant size
 - b. An aneurysm is a weakness at a branch point of a blood vessel
 - c. Every aneurysm will eventually rupture and bleed
 - d. An aneurysm is always symptomatic

3. Factors related to intracranial aneurysm formation include all but one of the following:
 - a. Connective tissue disorders such as Ehlers Danlos IV, Marfan Syndrom and polyssystic kidney disease
 - b. Individuals born female, Hispanic or Black
 - c. Drinking red wine induces aneurysm formation and growth
 - d. Personal behaviors such as smoking, excessive alcohol use and poorly controlled hypertension.



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4. Direct surgical treatment for aneurysms started when?
 - a. Egyptians physicians in 27725 BC
 - b. 1760 John Hunter clips the/his first aneurysm
 - c. 1993 Igor Moniz develops angiography and operates on an aneurysm
 - d. Norman Dott performs the first aneurysm surgery by ligation

5. What means of investigation seems to be most important for surgical pioneers?
 - a. Reading books written by current practitioners
 - b. Anatomic study by autopsy
 - c. Study in medical schools
 - d. Trial and error on sick patients

6. Igor Moniz was a gifted Portuguese neurologist who did which of the following?
 - a. Developed cerebral angiography
 - b. Developed frontal leucotomy for psychologic disorders
 - c. Was ambassador to Spain
 - d. Was awarded the Nobel Prize
 - e. All of the above

7. John Hunter was a talented Scottish surgeon best known for which of the following:
 - a. Inventing the aneurysm clip
 - b. Studying metallurgy for manufacture of the Selverstone clamp
 - c. Proximal arterial occlusion for traumatic aneurysms in peripheral arteries
 - d. Wearing traditional Scottish attire while operating



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8. Charles Drake of the University of London, Ontario is best known for all but which of the following?
- a. Developing the fenestrated aneurysm clip with the assistance of Dr. Frank Mayfield and George Kees, Jr.
 - b. Publishing the use of the “Drake Tourniquet” for proximal vessel occlusion in 160 patients with inoperable posterior fossa aneurysms
 - c. Inventing angiography performed in the operating suite
 - d. Developing a technical standard for operating on posterior fossa aneurysms
9. What technologies for aneurysm treatment are most frequently currently applied to treat aneurysms?
- a. Proximal occlusion of the intracranial carotid artery
 - b. Endovascular coils, stents and flow diverters
 - c. Encasing the ruptured aneurysm with an epoxy adhesive
 - d. Craniotomy for open clipping
10. Modern hospital resources for aneurysm treatment include all except one of the following:
- a. Comprehensive stroke program
 - b. Nephrologists to treat polycystic kidney disease
 - c. Neurosurgeons
 - d. Critical care specialists (Neuro-Intensivists)