

HEART CONGRESS, VASCULAR BIOLOGY AND SURGEON'S MEETING

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The importance of the microcirculation following subarachnoid hemorrhage

Subarachnoid hemorrhage is a common form of stroke that often involves delayed and sustained ischemia, which is a major cause of death and neurological disability in patients surviving cerebral aneurysm rupture. Neurological deficits commonly include memory changes and impairments in executive function, associated with hippocampal volume loss. Common causes include vasoconstriction at a large cerebral vessel level, hydrocephalus, infections, and treatment related strokes. In many cases, despite none of these being present, patients still have disability. Little is known about lesser known causes of morbidity including the small parenchymal arterioles and the regulation of CSF flow. We will discuss alternative lesser known causes of poor outcome following an SAH.

Biography

Gavin W. Britz MD, MPH, MBA is Professor of Neurological Surgery, Weill Cornell Medical College Chair, Department of Neurosurgery, Director, Houston Methodist Neurological Institute, Houston Methodist, Houston Texas. He leads an acclaimed team of neurosurgeons and affiliated professionals and is recognized as one of the nation's foremost cerebrovascular, skull base and brain tumor surgeons. He is on the advisory boards of the Joe Niekro Foundation and The Brain Aneurysm Foundation and serves on the editorial board for multiple journals.

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