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**Vascular Dementia and Dementia**  
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**Neurological Disorders and Stroke**

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## **Paediatric Lenticulostriate Saccular Aneurysms - Challenges and outcomes: A case report**

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**D**istal Lenticulostriate aneurysms are uncommon. They occur in a background of Moyamoya disease, vasculitis, collagen vascular disorders or AVMs. A prominent minority is idiopathic as well. Owing to the small caliber and high pressures seen in the lenticulostriate artery, dissections as well as fusiform dilatations are more common than saccular aneurysms. A common presentation of these aneurysms is a spontaneous basal ganglia hematoma with results in hemiplegia and dysphasia (depending upon the side of involvement) with or without obstructive hydrocephalus due to the presence of intraventricular extension of the bleed. Incidental detections of these aneurysms, especially in the pediatric age group are rare, as the diagnosis can only definitely be made on angiography. The detection is made difficult by the presence of concomitant pathologies, such as Moyamoya disease and vasculitis with obscure the imaging required for diagnosis. We present the report of a lenticulostriate saccular aneurysm, which presented with acute onset (15 mins) features of raised ICP associated

with a hemiparesis. The aneurysm was surgically clipped. The patient had a transient post op hemiplegia, which completely recovered. The report highlights the rarity of the disease, surgical challenges posed and the post op events to be expected and prevented in order for optimal recovery to occur.

### **Speaker Biography**

Sibhi Ganapathy finished his basic degree from the prestigious Christian Medical College and Hospital Vellore in South India with distinction. He pursued a career in Neurosurgery and Spine surgery which led him to the prestigious Manipal University where he trained under the guidance of the renowned professor Girish Menon. He has since been working in various centres of excellence in south India. He has conducted many workshops and CME programmes involving Indian and International experts in Spine, Skull Base Surgery and Paediatric Neurosurgery. He is an avid researcher and has more than 30 publications, chapters in books and articles published in international peer reviews publications. He is a member of various international organisations such as the medical council of India, Neurological Society of India and the Walter Dandy Society. His interest in neurosurgery is primarily dedicated to functional Neurosurgery for Movement Disorders, as well as Vascular Neurosurgery and Stroke Prevention.

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