

Superficial Sylvian vein

The [superficial middle cerebral vein](#) ([superficial Sylvian vein](#)).

Begins on the lateral surface of the [hemisphere](#), and, running along the lateral cerebral sulcus, ends in the cavernous or the sphenoparietal sinus.

Sylvian dissection is an essential microneurosurgical skill for neurosurgeons. The safe and accurate opening of the sylvian fissure is desirable for a good prognosis. METHODS: The aim of this report is to demonstrate the use of indocyanine green (ICG) videoangiography to recognize the superficial sylvian vein (SSV) and thus enable a wide opening of the sylvian fissure, especially in patients with subarachnoid hemorrhage (SAH).

The small tributary flowing into the SSV was distinguishable from a passing one, which deeply entered the insula. In addition, an entering point of a tributary to the SSV, which ran perpendicular to the insula, was occasionally determined. SSV, which was barely discernable in a reddish SAH involving the sylvian fissure, was clearly demarcated using ICG videoangiography. Two representative cases of sylvian dissection are herein presented.

The performance of ICG videoangiography before sylvian dissection is a simple and useful method for identifying a vital approach route for safe and accurate sylvian dissection, and it reduces the risk of causing any accidental injury to the veins in the sylvian fissure ¹⁾.

¹⁾

Kubota H, Sanada Y, Nagatsuka K, Yoshioka H, Iwakura M, Kato A. Safe and accurate sylvian dissection with the use of indocyanine green videoangiography. Surg Neurol Int. 2016 Jun 3;7(Suppl 14):S427-9. doi: 10.4103/2152-7806.183526. eCollection 2016. PubMed PMID: 27313972; PubMed Central PMCID: PMC4901820.

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