

Perimesencephalic subarachnoid hemorrhage diagnosis

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CT

[Perimesencephalic subarachnoid hemorrhage](#) has been defined as subarachnoid haemorrhage, which on [CT](#) within three days of [symptom](#) onset:

It is centred anteriorly to the [pons](#) and [midbrain](#)

May extend into the basal and [suprasellar cisterns](#) and into the proximal/basal Sylvian and [interhemispheric fissures](#) may settle as sediment in the [occipital horns](#) of the [lateral ventricles](#) but there is no overt intraventricular haemorrhage

CTA

Is recommended for PMSAH to investigate for possible aneurysmal cause.

Undertaking a DSA after a negative CTA may not add any further diagnostic value in patients with PMSAH and may lead to net harm. This observation needs to be validated in a large-scale prospective multicenter study with complete case ascertainment and robust data on CTA and DSA complications ¹⁾

Cerebral angiography

[Perimesencephalic subarachnoid hemorrhage cerebral angiography](#)

1)

Mohan M, Islim A, Dulhanty L, Parry-Jones A, Patel H. CT angiogram negative perimesencephalic subarachnoid hemorrhage: is a subsequent DSA necessary? A systematic review. J Neurointerv Surg. 2019 Dec;11(12):1216-1221. doi: 10.1136/neurintsurg-2019-015051. Epub 2019 Jul 4. PMID: 31273072.

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