

Suprasellar cistern

The suprasellar [cistern](#) (also known as pentagon of basal cisterns) is a cerebrospinal-fluid filled space located above the [sella turcica](#), under the [hypothalamus](#). It contains the [optic chiasm](#), the [infundibulum](#) and the [circle of Willis](#). It has the shape of a pentagon at the level of the [optic chiasm](#), and the shape of a six-point star at the level of cerebral peduncles, frequently likened to the star of David. 

[Cerebrospinal fluid](#) (CSF) pathway studies have revealed that the CSF secreted from the [choroid plexus](#) of the [ventricles](#) after egressing from the [fourth ventricle](#) reaches the basal [suprasellar cistern](#) and ultimately the [sylvian cisterns](#).

Related pathology

It is an important intra-cranial cistern to review on MRI and CT, since it can be obliterated in [uncal herniation](#) and in cases of severe [intracranial hypertension](#). It can also be filled with blood from [subarachnoid hemorrhage](#).

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

https://neurosurgerywiki.com/wiki/doku.php?id=suprasellar_cistern

Last update: **2024/06/07 02:55**

