

The subcommissural organ (SCO) is a small ependymal gland of the [circumventricular system](#), located in the dorsocaudal region of the [third ventricle](#), at the entrance of the mesencephalic aqueduct ([aqueduct of Sylvius](#)). The SCO is a phylogenetically ancient and conserved structure of the vertebrate phylum. It has its name because of the localization in the brain. The organ's main functions are unknown; nevertheless, some evidences suggest that the organ may participate in different process, such as the clearance of certain compounds and the circulation of the cerebrospinal fluid, and it could also play a role in some morphogenetic mechanisms.

From:

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

Permanent link:

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

Last update: **2024/06/07 02:50**

