

Extracellular interstitial fluid

Extracellular [interstitial fluid](#) is a thin layer of fluid that surrounds the body's cells.

Although there is no [lymphatic system](#) in the [central nervous system](#) (CNS), there seems to be a mechanism to remove [macromolecules](#) from the brain. [Cerebrospinal fluid](#) (CSF) and [interstitial fluid](#) (ISF) are thought to be parts of this [pathway](#), but the details are not known.

Since substance exchange occurs between the CNS extracellular interstitial fluid (ISF) and CSF, it is assumed that CSF serves as a sink for the removal of various metabolites out of the CNS by its unidirectional pulsatile flow and [absorption](#) ^{1) 2) 3)}

see [Cerebrospinal fluid physiology](#).

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³⁾

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