

Imaging findings of spontaneous intracranial hypotension

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Spontaneous intracranial hypotension is an uncommon form of headache often presents in middle age with predilection for women and typically presents with orthostatic headache, vertigo and sometimes with atypical presentation such as tinnitus, memory loss or dementia.

Intracranial hypotension can be divided to primary usually refers as SIH and secondary type due to surgery or lumbar puncture.

SIH usually results from CSF spinal leakage and imaging features are related to this event and can be seen in brain and spinal column.

Major brain imaging findings are brain sagging, prepontine cistern effacement, dural engorgement and subdural hematoma and spinal findings include, extradural fluid collection, Dura matter displacement, C1-C2 sign.

Imaging particularly MRI is crucial for confirming the diagnosis and identifying the location of the CSF leak.