

Diffuse axonal involvement/PGS

This article has been translated from WikiSkripta; the **formatting** needs to be checked.

This article has been translated from WikiSkripta; ready for the **editor's review**.

Template:PGS

Diffuse axonal injury (DAI) is a very severe multiple axon injury that is severed by rotational and translational forces acting on the head (see figure), most commonly in the *corpus callosum* and brainstem. The severity of the subsequent condition is exacerbated by the fact that the interruption of axons **leads to potassium leaching**, which has a toxic effect on the surrounding brain tissue. In DAI, diagnosis is based on history of head injury, clinical condition (severe impairment of consciousness) and **MRI** imaging (**CT** is **unhelpful**, changes are mostly below its level of resolution). It is the most common cause of the subsequent vegetative state in trauma patients.

Source

- [ws:Difúzní axonální postižení/PGS](#)



Scheme of the formation of diffuse axonal damage.