

News and views of neuroprotection in complete traumatic spinal cord injuries

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Abstract

Spinal cord injury (SCI) due to trauma has major functional, medical, and financial effects on the injured person, as well as an important effect on the individual's psychosocial well-being. These patients have not any treatment for their or tetraplegia and any therapeutical attempt can bring hope and can improve their quality of life. Today methylprednisolone is a standard treatment option for an acute spinal cord injury but it is not a cure for a spinal cord injury. Surgery is often necessary for decompression, to realign and

to stabilize the spine. The experimental treatments had yet not results. In case of acute complete traumatic SCI, steroid medication is insufficient and it is necessary to add new immediate procedures at the standard treatment performed today. Treatment should be started immediately and must stop cell death, control inflammation and promote nerve regeneration (action to primary and secondary damage).

Keywords: methylprednisolone, neuroprotection, paraplegia, spinal cord injury