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BY JENNIFER M YONAN

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Aquaporin-4 and spinal cord injury

Jennifer M Yonan, Devin K Binder

Abstract

Edema formation is a major problem following traumatic spinal cord injury (SCI) that acts to exacerbate secondary damage. Severity of edema correlates with reduced neurological outcome in human patients. To date, there are no effective treatments to

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[Aquaporins in Spinal Cord Injury: The Janus Face of AQP4](#)

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28 Jan 2010 ... In severe rat **SCI**, a low abundance of AQP4-overexpressing astrocytes ... produce a clinical improvement **after SCI** (Cayli **et al.**, 2004) in a randomized ... Rodent spinal cords express transcripts **for** several AQPs: AQP4, AQP5, ... AQP4 protein is exclusively **expressed** in spinal astrocytes (Oshio **et al.**, 2004; ...

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