

Name of Journal: *World Journal of Radiology*

Manuscript NO: 32996

Manuscript Type: Review

Cerebellum and neurodegenerative diseases: beyond conventional magnetic resonance imaging

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Abstract

The cerebellum plays a key role in movement control and in cognition and cerebellar involvement is described in several neurodegenerative diseases. While conventional magnetic resonance imaging (MRI) is widely used for brain and cerebellar morphologic evaluation, advanced MRI techniques allow the investigation of cerebellar microstructural and functional characteristics. Volumetry, voxel-based morphometry, diffusion MRI based fiber

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[BD Trapp](#), [R Ransohoff](#), [R Rudick](#) - [Current opinion in neurology](#), 1999 - journals.lww.com

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... imaging [2] and [7] have revealed a more widespread **disease** process extending **beyond** overt white ... Patients were excluded if they had other major medical **illnesses**, corticosteroid use or acute ... Of the 47 patients examined, 41 had a relapsing–remitting **disease** course, while 6 ...

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... White matter is lost within the middle **cerebellar** peduncles, **cerebellum**, pons, and ... PubMed. 14. Ohnishi TMatsuda HTabira TAsada TUno M Changes in brain morphology in Alzheimer **disease** and normal aging: is Alzheimer **disease** an exaggerated aging process? ...

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