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The relationship between diffusion tensor imaging findings and cognitive outcomes following adult traumatic brain injury: A meta-analysis

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Highlights

- Studies examining DTI findings and cognition following TBI were meta-analysed
- Better cognitive functioning was related to DTI findings from many brain regions
- Memory and attention were most strongly associated with DTI findings

Abstract

Cognitive impairments are common following a traumatic brain injury (TBI) and frequently result from white matter (WM) damage. This damage can be quantified using diffusion tensor imaging (DTI), which measures the directionality (fractional anisotropy: FA) and amount (mean diffusivity/apparent

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