



Key Points Summary

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Primary Question this Study Addresses

What is the microstructural organization of white matter in individuals with posttraumatic stress disorder (PTSD) compared to controls?

Study Findings That Add to Our Knowledge

Adults with PTSD had lower fractional anisotropy and higher radial diffusivity in the tapetum (a conduit between the left and right hippocampus).

Results were consistent even after accounting for the effects of multiple potentially confounding variables: childhood trauma exposure, comorbid depression, history of traumatic brain injury, current alcohol abuse or dependence, and current use of psychotropic medications.

How Study Evidence Might Be Used in Practice

PTSD may be associated with alterations in the broader hippocampal network.

The hippocampus and associated white matter connections may serve as neural markers of structural disruptions in individuals with PTSD.

For more information on PTSD, please visit:

 [Resource](#)

To access the study abstract, click here:  [Abstract](#)

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