A 19-year-old woman was hit by a car and found to be somnolent and inattentive on neurologic examination. Head CT demonstrated bifrontal traumatic microbleeds (figure), suggesting hemorrhagic diffuse axonal injury (DAI). MRI performed 7 days later showed extensive diffusion restriction in the genu of the corpus callosum extending into the bifrontal white matter. Its pathogenesis has yet to be fully elucidated, with potential etiologies including swelling of sheared axons, Wallerian degeneration of interhemispheric neurons, and microvascular injury causing ischemia.2

REFERENCES
Teaching NeuroImages: Restricted diffusion in the corpus callosum after traumatic diffuse axonal injury
Brian L. Edlow and Eli L. Diamond
Neurology 2010;75:e69
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