Study advances knowledge of role of brain pathology and cognitive fatigue in multiple sclerosis
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Using advanced diffusion neuroimaging technology, Kessler Foundation researchers investigated the relationship between the rate of cognitive fatigue to microstructural changes in the brain in persons with multiple sclerosis. Their findings help fill a gap in the current understanding of how brain pathology influences the development of fatigue over time.

Their findings were reported in Frontiers in Neurology on July 04, 2022, in the open access article "Associations of White Matter and Basal Ganglia Microstructure to Cognitive Fatigue Rate in Multiple Sclerosis."

"We found that the cognitive rate related to white matter tracts, many with associations with the basal ganglia or what we have proposed as the 'fatigue network'," said lead author Dr. Román, National MS Society postdoctoral fellow at Kessler Foundation. "These findings bring us closer to understanding how brain pathology impacts the experience in the moment. This is fundamental to developing effective interventions for managing the disabling fatigue of MS and other neurological conditions."


Provided by Kessler Foundation