Diagnostics

Exploring Variations in Functional Connectivity of the Resting State Default Mode Network in mTBI

Researchers at NICoE used functional MRI to investigate changes in the default mode network after a TBI. Resting state default mode network maps indicated an increase in spatial coactivity in mTBI patients in the cerebellum and the supplementary motor areas. However, these results were reported with low specificity and sensitivity. Participants included 27 military Service Members, 15 that sustained an mTBI and 12 controls. These results suggest that quantifying the default mode network following a TBI may facilitate identification of individuals who have experienced an mTBI, and provide insights into posttraumatic cognitive and emotional functioning.