EEG for the determination of consciousness

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Research Abstract

Andrew Goldfine is a neurorehabilitation neurologist interested in enhancing recovery after brain injury through modulation of the brain’s arousal and arousal regulation networks. He is currently working in the labs of Nicholas Schiff and Jonathan Victor at Weill Cornell Medical College, studying the pathophysiology of disorders of consciousness, and the use of neurophysiological tools to track recovery of movement and large-scale cerebral networks. His current work is on using EEG (electroencephalography) to determine the presence of consciousness in patients who are unable to communicate, as well as using EEG and wireless accelerometers to understand the role of arousal regulation in motor performance in patients with diffuse brain injury.

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