Recent Advances in the Study of Altered State of Consciousness

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Deadline for manuscript submissions:
closed (31 March 2021)

Message from the Guest Editors

Different approaches exist to study human consciousness and its altered states. Scientists have only recently been able to explore the connection analytically through measurements and perturbations of the brain's activity. This ability stems from recent advances in technology and especially from emerging functional neuroimaging and electrophysiology studies. During the last decade, researchers have began to investigate brain activity in patients with DOC following severe brain injury. Other studies have focused on sleep and anesthesia. In conjunction, these investigations have contributed to our current understanding of neural correlates of conscious awareness and its modified states in both physiological and pathological states.

This Special Issue aims to give an overview on recent advances in the understanding of the neural correlates of (1) conscious awareness and (2) altered states of consciousness by means of studies on patients with disorders of consciousness, sleep and anesthesia but also research on hypnosis, meditation, psychedelics, and so on.

We are accepting original papers on behavioral and neuroimaging data, as well as reviews and meta-analyses.

mdpi.com/si/35871

Special Issue

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Message from the Editor-in-Chief

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