



Sleep Disorders: From Clinical Research to Daily Practice

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Message from the Guest Editors

Recently, there has been significant progress in the understanding of the pathophysiology underlying some sleep disorders, such as restless legs syndrome (RLS) and REM sleep behaviour disorder (RBD), especially their electrophysiological basis and the possibility to non-invasively neuromodulate them.

Gaining novel insights into the complex interactions between central and peripheral neural circuits in the generation of symptoms of RLS is mandatory for a better diagnostic refinement. Further insight is provided by the effectiveness of some non-pharmacological tools, such as transcranial magnetic stimulation, transcranial direct current stimulation, and transcutaneous direct spinal stimulation, thereby extending the therapeutic arsenal.

In this Special Issue, we focus on the neurophysiological correlates of sensory-motor network involved in RLS and the cortical-brainstem connections implicated in RBD in order to provide new translational insights into their pathophysiological mechanisms and to guide new pharmacological and non-pharmacological treatments.





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