Tentative Outline

Special Thematic Issue for the journal *Current Neuropharmacology*

**Title of the Thematic Issue:** Medical strategy of sleep disorders in the neurological diseases

*Guest Editor:* Xiao-Ping Wang

*Co-Guest Editor, Zhong-Xin Zhao*

- **Scope of the Thematic Issue:**

Sleep disorders can be diagnosed in approximately 15% of the population and have been shown to increase with age. A wide variety of neurologic disorders are frequently complicated by different types of comorbid sleep disturbances, this is mainly related to the damage of neural structure in sleep-wakefulness regulation, pain caused by disease or lesion, reduction of movement and treatment. Sleep disorders can also be an early or even main symptom of various neurological diseases, for example, Rapid eye movement sleep Behavior Disorder (RBD) in the Parkinsonism spectrum. It can occur before the occurrence of neurological diseases, affect the disease process, daytime function, quality of life, morbidity and mortality of the patients. Occurrence of some types of sleep disorders could be useful in early diagnosis of many neurological diseases, such as Parkinson Disease (PD). While treatment of comorbid sleep disturbances may improve the symptoms of many neurologic disease. Significant progress has been made in the diagnosis, clinical types and neuropathophysiologial mechanisms of sleep disorders in neurological diseases.

Despite these advancements, it is still insufficiently considered in the clinical practice, and treatment options are limited and frequently associated with problematic side effects, thus the level recommended by the guidelines is relatively low for the treatment of patients.

In this Thematic Selection mainly collects the articles on the subject of sleep disorders in adults with neurological diseases. The purpose of this special issue is to present high-quality reviews and research articles on managements of sleep disorders in neurological disorders, as well as future prospects and challenges.

**Sub-topics:**

The sub-topics to be covered within the issue should be provided:

- Insomnia disorders: from medicine to philosophy
- Insomnia disorders in adults: Consensus of drugs’ choice
- Treatment of sleep disorders in Parkinson’s disease: extrapyramidal side effects of psychotropic drugs
- Sleep disorders in cognitive disorders: hypersensitivity to psychotropic drugs in Lewy’s encephalopathy
- Emotional disorders (mainly depression and anxiety) or mental disorders (including sleep disorders associated with several major categories of mental disorders
- F. Treatment of Sleep Disorder in Cerebrovascular Diseases
- G. Sleep disorders in the epilepsy and the seizure disorders
- H. Sleep disorders in myasthenia gravis and peripheral nerve diseases and their drug contraindications
- Treatment of circadian rhythmic sleep arousal disorder
- Sleep disorders and related neuropsychiatric disorders in the patients after-DBS operation
- Contribution of Traditional Chinese Medicine to Evidence-based Medicine for sleep disorders
Tentative titles of the articles and list of contributors:

- **Insomnia disorders: from medicine to philosophy**
  Contributing Authors: Prof P. Lewis 1, PhD. S Chen 1,2
  Author Affiliations: 1. Neuroimaging Center and Department of Psychology, Cardiff University, UK; 2. Division of Biology and Biological Engineering, California Institute of Technology, Pasadena, USA.

- **Insomnia disorders in adults: Consensus of drugs’ choice**
  Contributing Authors: Zhong-Xin Zhao, MD/PhD.
  Author Affiliations: Neurol Depart, Chang-Zheng Hospital, Secondary Military Medical University. China

- **Treatment of sleep disorders in Parkinson’s disease: extrapyramidal side effects of psychotropic drugs**
  Contributing Authors: Prof Xiao-Ping Wang, MD/PhD
  Author Affiliations: Neurol Depart, Shanghai St Luke Hospital, Shanghai Jiao-Tong University Med Sch, China

- **Article Title: Sleep disorders in cognitive disorders: hypersensitivity to psychotropic drugs in Lewy’s encephalopathy**
  Contributing Authors: Prof Xiao-Ping Wang, MD/PhD; Prof Gang WANG,MD/PhD
  Author Affiliations: Neurol Depart, Shanghai Jiao-Tong University Med Sch, China

- **Emotional disorders (mainly depression and anxiety) or mental disorders (including sleep disorders associated with several major categories of mental disorders)**
  Contributing Authors: Zhong-Xin Zhao, MD/PhD.
  Author Affiliations: Neurol Depart, Chang-Zheng Hospital, Secondary Military Medical University. China
- **Article Title:** Treatment of Sleep Disorder in Cerebrovascular Diseases  
  Contributing Authors: Prof Yu-Ping Wang, Zhang LL  
  Author Affiliations: Neurol Depart, Xuan-Wu Hospital, Capital Medical University, Beijing, China

- **Article Title:** Sleep disorders in myasthenia gravis and peripheral nerve diseases and their drug contraindications  
  Contributing Authors: Prof Han-Joon Kim, Zhong-Xin Zhao.  
  Author Affiliations: Neurol Depart, Seoul Medical University, South Korea; Neurol Depart, Chang-Zheng Hospital, Secondary Military Medical University. China

- **Article Title:** Sleep disorders in the epilepsy and the seizure disorders  
  Contributing Authors: Prof Yu-Ping Wang,  
  Author Affiliations: Neurol Depart, Xuan-Wu Hospital, Capital Medical University, Beijing, China

- **Article Title:** Treatment of circadian rhythmic sleep arousal disorder  
  Contributing Authors: Prof P. Lewis 1, PhD. S Chen 1,2  
  Author Affiliations: 1. Neuroimaging Center and Department of Psychology, Cardiff University, UK; 2. Division of Biology and Biological Engineering, California Institute of Technology, Pasadena, USA

- **Article Title:** Sleep disorders and related neuropsychiatric disorders in the patients after-DBS operation  
  Contributing Authors: Prof Bo-Min Sun, PhD; Prof Han-Joon Kim.  
  Author Affiliations: Functional Neurosurgery, RuiJin Hospital Shanghai Jiao-Tong University Med Sch, China; Neurol Depart, Seoul Medical University, South Korea

- **Article Title:** Contribution of Traditional Chinese Medicine to Evidence-based Medicine for sleep disorders  
  Author Affiliations: Prof Yu-Ping Wang, Jian XU.  
  Author Affiliations: Neurol Depart, Xuan-Wu Hospital, Capital Medical University, Beijing, China

- **Article Title:** Sleep disorders in the epilepsy and the seizure disorders  
  Author Affiliations: Prof Yu-Ping Wang MD/PhD, Zhong-Xin Zhao, MD/PhD
Schedule:

ië Thematic issue submission deadline: Authors wishing to submit a paper on this topic to the Journal are kindly invited to submit it through our online platform by March 2020, following the standard requirements detailed in the Guide for Authors.

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