



Advances in Neurostimulation: Understanding of the Mechanisms and Clinical Applications

Collection Editors:

Prof. Dr. Chris Baeken

1. Department of Psychiatry and Medical Psychology, Ghent Experimental Psychiatry (GHEP) Lab, Universiteit Gent - C, Heymanslaan 10, 9000 Gent, Belgium

2. Department of Psychiatry, UZBrussel, Laarbeeklaan 103, 1090 Brussels, Belgium

3. Eindhoven University of Technology, Department of Electrical Engineering, The Netherlands

Dr. Virginie Moulier

1. University Department of Psychiatry, Centre Hospitalier du Rouvray, Sotteville-lès-Rouen, France

2. Unité de Recherche Clinique (URC), EPS Ville Evrard, Neuilly-sur-Marne, France

Message from the Collection Editors

Brain stimulation methods have been part of the clinical routine in psychiatry for several years, offering a therapeutic alternative to pharmacological and psychotherapeutic treatments. Whether they are noninvasive brain stimulation techniques, or more invasive techniques, they demonstrate efficacy in several psychiatric disorders, including when those disorders have proven resistant to the current treatment algorithms.

However, the physiological mechanisms underlying neurostimulation are not yet fully understood. Exploring the effects of these techniques with brain activity measures (functional magnetic resonance imaging (fMRI), positron emission tomography (PET) or electroencephalography (EEG), etc.) or biological measures (hormones, neuroplasticity, inflammation, etc.) can help us to better understand the neurobiological bases of these methods.

Besides neuropsychiatry, this Special Issue also seeks to promote new effective clinical applications in brain stimulation, such as personality or somatic disorders, and advances in understanding of their mechanisms, including studies with healthy subjects.





an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Emmanuel Andrès

Internal Medicine Department,
University Hospital Strasbourg,
67000 Strasbourg, France

Prof. Dr. Kent Doi

Department of Emergency and
Critical Care Medicine, University
of Tokyo, Tokyo 113-8655, Japan

Message from the Editorial Board

There has been an explosion of gene and target based research and therapeutics in the multitude of fields that compose clinical medicine. The *Journal of Clinical Medicine's* (JCM) staff and editorial board are dedicated to providing cutting edge, timely, and peer-reviewed articles covering the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and exciting research articles as well as clinically significant articles and reviews that are pertinent to the myriad of disciplines within medicine. The articles published are relevant to both primary care physicians and specialists. The journal's full-texts are archived in PubMed Central and indexed in PubMed. Please consider submitting your manuscripts for publication to our journal and check us out on-line!

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPUS / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Medicine, General & Internal*) / CiteScore - Q1 (*General Medicine*)

Contact Us

Journal of Clinical Medicine Editorial
Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/jcm
jcm@mdpi.com
[X@JCM_MDPI](https://twitter.com/JCM_MDPI)