

Special Issue

Stereotactic and Functional Neurosurgery: Clinical Treatments and Future Directions

Message from the Guest Editor

Functional neurosurgery has developed into a diverse field offering treatments to improve the quality of life in a wide range of conditions. It is intimately tied to the advent of stereotaxy, whereby we have the methods for precise targeting of deep brain structures in a physiologically considered and testable manner. Over the years, the field has a storied history, and we are in a golden era of highly effective treatments offering hope and symptom relief to many.

Furthermore, one could argue now that we are as close to a time of rapid expansion as we ever have been. We have new treatments becoming available in the form of brain–computer interfaces and delivery of advanced therapeutics. There are new indications both for existing technologies and new devices.

This current Special Issue seeks to bring all these areas together to consolidate our understanding of where we have arrived in the field, and to stimulate new developments for the future.

Keywords

- functional neurosurgery
- stereotaxy
- deep brain structures
- brain computer interfaces
- therapeutic delivery
- symptom relief

Guest Editor

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