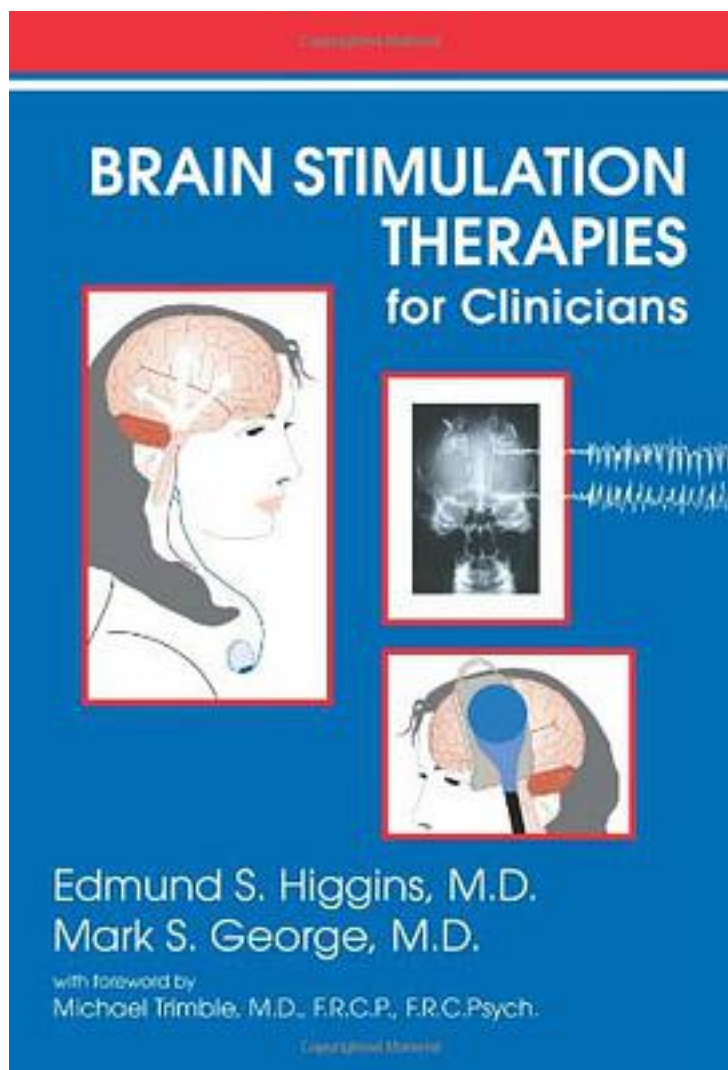


Brain Stimulation Therapies for Clinicians



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Brain stimulation--focally applying electricity to the brain--is a field with a rapidly expanding and promising array of techniques, which already have proven efficacy in treating conditions ranging from Parkinson's disease to chronic and acute pain to depression. Comprehensively surveying the landscape of current practice, "Brain Stimulation Therapies" "for Clinicians" provides a clear and straightforward analysis of the many therapeutic applications, along with the technologies and techniques involved in each. The book begins with a thoughtful, and occasionally macabre, history of electrical stimulation of the brain. The authors then provide an accessible and concise overview of electricity and its effects on the brain. The essence of the book, though, is its thorough exploration of the clinical applications of electrical stimulation. "Brain Stimulation Therapies for Clinicians" covers the wide range of existing electrical stimulation therapies, including electroconvulsive therapy (ECT), vagus nerve stimulation (VNS), transcranial magnetic stimulation (TMS), deep brain stimulation (DBS), and a host of other clinical applications. Each chapter examines a particular therapy, including its history, an overview of the techniques involved, its clinical indications, side effects, and a critical review of the literature surrounding its efficacy. Designed as an approachable and thorough reference for the practicing clinician, the book includes many features to assist in evaluating the variety of stimulation therapies.

- The book as a whole is an excellent-quick start guide to help practitioners make informed choices about brain stimulation therapies. The background on the basics of electricity is useful for those not intimately familiar with these concepts.
- A thorough glossary helps the clinician navigate the jargon and decode the alphabet soup surrounding current practice.
- Clear and useful diagrams and schematics illustrate all essential points.
- Interesting sidebars highlight fascinating and occasionally amusing potential applications of brain stimulation techniques--and offer a glimpse into the sometimes grim history of human brain experimentation.
- The authors' careful attention to evidence-based literature helps clinicians determine which techniques have proven efficacy and which claims are unsupported.
- Each chapter features a comprehensive bibliography of references for further reading.

"Brain Stimulation Therapies" "for Clinicians" is an essential reference for any clinician, or even potential patient, interested in understanding electrical stimulation as therapy.

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