Special Issue

Application of Surgery in Epilepsy

Message from the Guest Editors

The surgical management of epilepsy is an ever-broadening field with intense controversies and new treatments that are already both commonplace and being utilized with widely different strategies from institution to institution. We aim to amplify recent developments in these treatments, insights from clinical experience, translational or relevant basic science research, or thorough reviews not recently covered elsewhere. A large proportion of patients with drug-resistant epilepsy have multifocal, generalized, eloquent-onset, or broad onset epilepsy, and are poor candidates for traditional resective surgery. Beyond a ketogenic diet and vagus nerve stimulation, intracranial neuromodulation had demonstrated great promise and has become a rapidly growing field unto itself. Although early studies demonstrated the proof of principle that it is often effective, a wide range of stimulation strategies, targets, stimulation parameters, and technical nuances are currently being explored individually by many institutions. We encourage these strategies to be reported here. Reports on outcomes from all types of epilepsy surgery are similarly encouraged for submission here.

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