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Use of Constant-Voltage DBS (to be discouraged)
Conduct a Monopolar Survey
Always Increase the Voltage to Clarify Any Side Effects
Check Therapeutic Impedances on Commercial IPGs
Confirm that the Parameters under Patient Control are within Safe Limits
Systematically Document all Clinical Responses to all DBS Stimulation Parameters and Electrode Configurations
Always Reset Counters and Trouble-Shoot Inconsistent Responses
Advise Patients, Family Members and Caregivers to Take Their DBS Controlling Devices with Them to Emergency Rooms or Doctor's Visits

Be Patient and Persistent!

When in Doubt, Turn the Pulse Generator Off and Wait

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Discrete Neural Oscillators

Oscillators with multiple realistic neurons

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Appendix of Supplemental Material

Glossary

References