



INTEGRATED NEUROLOGY

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Safety information for patients with Medtronic Deep Brain Stimulation (DBS) systems implanted at North Shore Private Hospital requiring subsequent dental therapy, invasive medical procedures or surgical treatment.

This information is designed for DBS patients to share with their treatment team as part of the preparation for any future dental or surgical treatment.

The information is directed to the treating dental/medical team

Key Contacts:

- Hayley Need: 0484 126 870
- Leandro Street: 0436 957 151
- Medtronic Helpline: 1800 652 972

1. Diathermy Use

If diathermy (cautery/electrosurgery) or peripheral electrical stimulation is anticipated, it is recommended that the surgeon/dentist contact the device manufacturer for safety information prior to planned surgery.

- Before any procedure involving diathermy/cautery, the DBS stimulator must be turned off. This can be performed by the anaesthetist or surgeon using the patient's handheld programmer.
- To minimise discomfort, it is recommended that the stimulator be switched off after anaesthesia induction and turned on before waking patients from anaesthesia.
- Patients will need to take their personal programmer with them to hospital to facilitate the stimulator management recommended above.
- Patients may or may not be able to tolerate procedures under local anaesthesia or sedation only. Consultation with the patient's usual treating Neurologist is recommended prior to surgery if regional anaesthesia/ sedation **only** are considered.

2. Prophylactic Antibiotics

Prophylactic antibiotics are recommended as per the cardiac valve guidelines. Please note this applies to routine dental checkups and cleaning.

3. Muscle Relaxation

If muscle relaxation is required, consider using Sugammadex for reversal. This non-cholinergic agent may reduce the risk of postoperative confusion, particularly in patients with Parkinson's disease.

Yours sincerely,

Paul Silberstein (Provider # 2120948B)

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