

## MRI AND DEEP BRAIN STIMULATORS

MRI is now allowed on some DBS devices. If any MRI is required, it can only be performed at an imaging center that is able to perform the scans using very specific protocols.

Depending on the type of battery you have, there are specific protocols that must be followed that may require a temporary change to the programming settings during MRI.

### To obtain an MRI for a DBS patient:

1. The ordering physician must complete a requisition for MRI indicating that the patient has a DBS system in place.
2. MRI department will contact the DBS clinic to confirm patient eligibility for scan.
3. The DBS Clinic will complete MRI eligibility checklist to determine if the DBS system is eligible for full body versus head only scan.
4. These results will be forwarded to the MRI department. If your DBS system is eligible, the MRI department will proceed with booking your scan.

NOTE: Some DBS systems are MRI conditional, which means they are safe for you only under certain conditions. If the conditions are not met, the MRI could cause tissue heating especially at the implanted leads in the brain, which may result in serious injury or even death.

### For your MRI appointment:

1. Bring your neurostimulator ID card.
2. Bring your patient remote controller.

### At your MRI appointment:

Prior to the scan, the DBS Clinician will:

1. Check your system is intact.
2. Turn the stimulator off or reprogram the system to ensure your safety during the scan.

### After the scan:

1. The DBS Clinician will confirm the integrity of the system.
2. Turn your therapy on to your original settings.