Medtronic

Easy choice

InterStim[™] SureScan[™]

SureScan[™] technology helps ensure patient safety and technician convenience for MRI scans

Expanded eligibility

Proprietary SureScan[™] technology allows patients with InterStim[™] SureScan[™] systems to get full-body* 1.5-and 3-T MRI scans, so you can **bring life-changing results**^{1,2,3} **to an even wider range of people.**

^{*}Under certain conditions; see approved labeling for details.

Designed for safety

Patient safety is our top priority. Backed by rigorous testing and quality standards, Medtronic SureScan[™] MRI systems feature some of the most comprehensive MRI labelling on the market. SureScan™ technology helps ensure patient safety and technician convenience for MRI scans.

* Under certain conditions; see approved labeling for details.



Full-body*

MRI Scans

years of full-body MRI research

million^{4,5,6} scanning scenarios

million^{5,6} simulated patient scans

Improved workflow

The SureScan™ MRI systems are designed to streamline MRI scans for patients, technicians and clinic staff.



No impedance check prior to scanning, which is designed to reduce repeat visits and to help patients save time.⁷

> MRI mode can be easily activated on a smart programmer.⁷





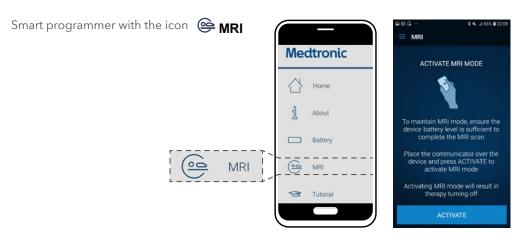
All Medtronic InterStim™ MRI systems with SureScan[™] technology have the same MRI conditions.

Dedicated engineers, scientists, and technicians working together at our MRI Center of Excellence and MRI testing lab developed proprietary SureScan™ technology. This unique design allows patients receiving sacral neuromodulation (SNM) therapy to have an MRI scan with confidence.



MRI checklist⁷

1 Eligibility identification checklist - 1 step



Ask the patient to tap \equiv in the corner of the patient therapy app Home screen.

☐ Select MRI eligibility icon and from the MRI Eligibility screen, ask the patient to place the communicator over the device and tap **ACTIVATE** to activate MRI mode (following the indication on the screen).

Placing the device in MRI mode turns therapy off.

The text and all of the symbols below denote full-body MRI scan eligibility and indicate that the implanted system is in MRI mode.

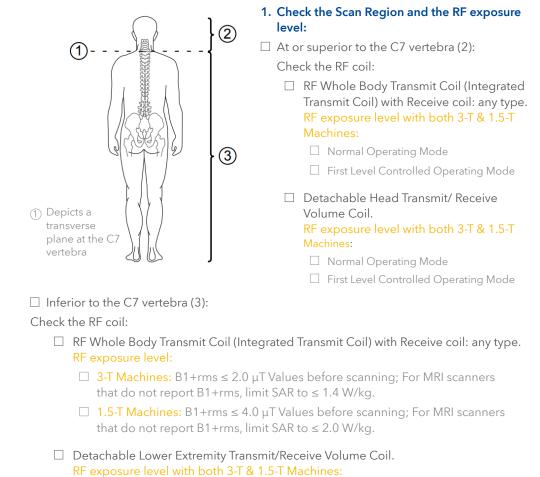


2 MRI system checklist-There are no restrictions on MRI manufacturers - 7 steps

1. Check the	Neurostimulator and lead model numbers on the smart programmer:
☐ Mode lead	el 97810 InterStim™ Micro neurostimulator with Model 978A1 SureScan™ MRI
☐ Mode	el 3058 InterStim™ II neurostimulator with Model 978B1 SureScan™ MRI lead
2. Check the	Battery status (Model 97810 InterStim™ Micro neurostimulator only):
	irm the neurostimulator is charged to a minimum of 30% before scanning. ot proceed if the neurostimulator is not sufficiently charged.
3. Check the	MRI system types:
□ 3-T h	orizontal cylindrical system
☐ 1.5-T	horizontal cylindrical system
4. Check the	MRI field specifications:
☐ Max	Gradient Slew Rate ≤ 200 T/m/s per axis
☐ Max	Spatial Field Gradient: 20 T/m (2000 gauss/cm)
5. Check Sca	an Time limit
	mum 30 minutes of continuous scan time is allowed, followed by a wait time of nutes if this limit is reached.
6. Check pat	tient body temperature:
☐ Conf	irm that the patient's body temperature is ≤38 °C (100 °F). Do not use blankets.
7. Check pat	tient position:
☐ Positi	ion the patient in a prone or supine position in the MRI bore.

MRI checklist⁷

3 Scan preparation checklist - 1 step

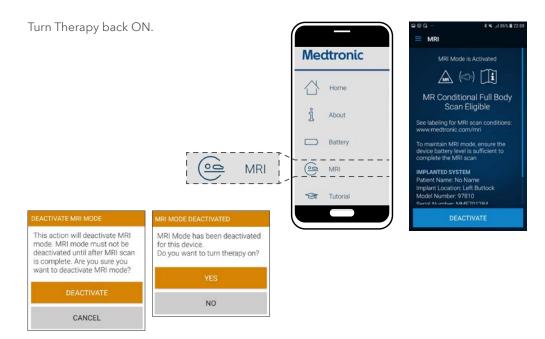


Please note: 3-T RF Whole Body Transmit Coil -MRI systems using two transmit channels (or fewer) may operate in Multichannel-2 (MC-2) or Circularly Polarized (CP) modes. Systems that use more than two transmit channels have not been studied, but such systems could be operated in CP or MC-2 modes, if available.

☐ Normal Operating Mode

☐ First Level Controlled Operating Mode

4 After the scan checklist - 2 steps



- 1. Instruct the patient (outside of the scanner room) to turn the therapy back on.
 - From the MRI Eligibility screen, ask the patient to place the communicator over the device and tap **DEACTIVATE** when prompted to deactivate MRI mode, then tap **YES** to return to previous therapy settings.
- 2. Verify that the patient has not experienced adverse effects as a result of the MRI.

 Contact Medtronic to report any adverse effects.

Please Note: Instruct the patient to see the implanting physician or managing physician if any of the following instances are applicable:

- The patient has any questions about neurostimulator function.
- Assistance is required to return program parameters to pre-MRI scan settings.
- The patient control device displays a power-on-reset (POR) screen.

References

- Siegel, S., Noblett, K., MangelJ, et al. "Five Year Follow-up Results of a Prospective, Multicenter Study in Overactive Bladder Subjects Treated with Sacral Neuromodulation." J Urol.2018;199(1), 229 -236.
- 2. Hull T, Giese C, Wexner SD, et al. Long-term durability of sacral nerve stimulation therapy for chronic fecal incontinence. Dis Colon Rectum. 2013;56(2):234-245
- 3. Van Kerrebroeck P, et al. Results of sacral neuromodulation therapy for urinary voiding dysfunction:outcomes of a prospective, worldwide clinical study. J Urol. 2007; 178:2029-2034
- 4. Combination of body model, MRI manufacturer, implant location, lead length, & scan type.
- 5. Medtronic data on file NDHF1567-186848 version 2.0 -result of animal studies combined with lab data, computational modeling and statistical methods
- 6.Medtronic data on file NDHF1559-186167 version 4.0 -result of animal studies combined with lab data, computational modeling and statistical methods.
- 7. MRI SureScan® technical manuals on www.Medtronic.com/manuals

Brief Statement

See the device manual for detailed information regarding the instructions for use, indications, contraindications, warnings, precautions, and potential adverse events. If using an MRI SureScan® device, see the MRI SureScan® technical manual before performing an MRI. For further information, contact your local Medtronic representative and/or consult the Medtronic website at medtronic.eu.

For applicable products, consult instructions for use on www.medtronic.com/manuals. Manuals can be viewed using a current version of any major internet browser. For best results, use Adobe Acrobat® Reader with the browser.

Medtronic

Europe

Medtronic International Trading Sàrl. Route du Molliau 31 Case postale CH-1131 Tolochenaz www.medtronic.eu Tel: +41 (0)21 802 70 00 Fax: +41 (0)21 802 79 00

United Kingdom/Ireland

Medtronic Limited Building 9 Croxley Park Hatters Lane Watford Herts WD18 8WW www.medtronic.co.uk Tel: +44 (0)1923 212213