

# Transurethral Needle Ablation (TUNA) and Transurethral Microwave Therapy (TUMT)

## CRM Technical Services Standard Letter

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The guidance provided in this letter is for healthcare providers and Medtronic representatives and applies to the following Medtronic device models:

<u>MRI Conditional Device Model Number, Model Name, Description</u>
<b>MC1AVR1</b> Micra™ AV MR Conditional dual chamber transcatheter pacing system with SureScan™ technology (VDD)
<b>MC1VR01</b> Micra™ MR Conditional single chamber transcatheter pacing system with SureScan™ technology (VVIR)
<b>MC2AVR1</b> Micra™ AV2 MR Conditional dual chamber transcatheter pacing system with SureScan™ technology (VDD)
<b>MC2VR01</b> Micra™ VR2 MR Conditional single chamber transcatheter pacing system with SureScan™ technology (VVIR)

**This Standard Letter addresses Transurethral Needle Ablation (TUNA) and Transurethral Microwave Therapy (TUMT):**

TUNA and TUMT are surgical procedures used for benign prostatic hyperplasia (BPH) in which precisely focused energy is used to ablate prostate tissue. Patients with implanted cardiac devices may conditionally undergo procedures that use a TUNA or TUMT system. To avoid affecting the cardiac device function when performing a TUNA or TUMT procedure, position the return electrode on the lower back or lower extremity at least 15 cm (6 in) away from the implanted device.

### PATIENT MANAGEMENT GUIDANCE

This document is useful to health care professionals who perform medical procedures on patients with Medtronic implanted cardiac device systems and who consult with the patients' cardiologists.

### Labeling

**Micra™ AV MC1AVR1 MR Conditional Device Manual.** Manual Document Number: M995148A001 REV. B, [www.medtronic.com/manuals](http://www.medtronic.com/manuals)

**Micra™ MC1VR01 MR Conditional Clinician Manual.** Manual Document Number: M991010A001 REV. B, [www.medtronic.com/manuals](http://www.medtronic.com/manuals)

**Micra™ AV2 MC2AVR1 MR Conditional Device Manual.** Manual Document Number: M019277C001 REV. E, [www.medtronic.com/manuals](http://www.medtronic.com/manuals)

**Micra™ VR2 MC2VR01 MR Conditional Device Manual.** Manual Document Number: M019292C001 REV. E, [www.medtronic.com/manuals](http://www.medtronic.com/manuals)

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### Additional comments

For further information please contact the following:

**Technical questions:** Medtronic Technical Services can answer additional questions regarding these device operations.

**Device labeling:** For additional device-specific guidance, consult the labeling associated with the device available on the Medtronic Manual Library website at [www.medtronic.com/manuals](http://www.medtronic.com/manuals)

How to contact U.S. CRM Technical Services: Email: [tshelp@medtronic.com](mailto:tshelp@medtronic.com)

Pacemakers: (800) 505-4636, ICDs: (800) 723-4636, Programmer Support: (800) 638-1991

This information is verified for devices approved in the U.S. and may differ by country. For product-specific information on device operation and indications for use, reference the appropriate product labeling.