

# Lithotripsy

## 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:

MRI Conditional Device Model Number, Model Name, Description

**MC1AVR1** Micra™ AV MR Conditional dual chamber transcatheter pacing system with SureScan™ technology (VDD)

**MC1VR01** Micra™ MR Conditional single chamber transcatheter pacing system with SureScan™ technology (VVIR)

**MC2AVR1** Micra™ AV2 MR Conditional dual chamber transcatheter pacing system with SureScan™ technology (VDD)

**MC2VR01** Micra™ VR2 MR Conditional single chamber transcatheter pacing system with SureScan™ technology (VVIR)

**This Standard Letter addresses Lithotripsy:**

Lithotripsy uses mechanical shock waves to break up kidney stones or gallbladder stones. Lithotripsy can damage an implanted transcatheter pacemaker if it is at the focal point of the lithotripter beam. Keep the focal point of the lithotripter beam at least 2.5 cm (1 in) away from the implanted transcatheter pacemaker.

Note: An asynchronous mode will avoid or mitigate the effects of oversensing.

**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: M042501C001 REV. A, [www.medtronic.com/manuals](http://www.medtronic.com/manuals)

**Micra™ MC1VR01 MR Conditional Clinician Manual.** Manual Document Number: M042502C001 REV. A, [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)

**Additional comments**

For further information please contact the following:

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**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.