

External Defibrillation and Cardioversion

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 External Defibrillation and Cardioversion:

External defibrillation and cardioversion are therapies that deliver an electrical shock to the heart to convert an abnormal heart rhythm to a normal rhythm. Medtronic transcatheter pacemakers are designed to withstand exposure to external defibrillation and cardioversion. While damage to an implanted transcatheter pacemaker from an external shock is rare, the probability increases with increased energy levels. These procedures can also temporarily or permanently elevate pacing thresholds or temporarily or permanently damage the myocardium. Follow these precautions when you deliver external defibrillation or cardioversion:

- Use the lowest clinically appropriate energy.
- Position the patches or paddles at least 15 cm (6 in) from the implanted transcatheter pacemaker.
- Use a Medtronic programmer or a Medtronic device manager to evaluate the implanted transcatheter pacemaker if you deliver external defibrillation or cardioversion.

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

Micra™ MC1VR01 MR Conditional Clinician Manual. Manual Document Number: M042502C001 REV. A, www.medtronic.com/manuals

Micra™ AV2 MC2AVR1 MR Conditional Device Manual. Manual Document Number: M019277C001 REV. E, www.medtronic.com/manuals

Micra™ VR2 MC2VR01 MR Conditional Device Manual. Manual Document Number: M019292C001 REV. E, www.medtronic.com/manuals

Additional comments

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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

How to contact U.S. CRM Technical Services: Email: 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.