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

- IPG-Implantable Pulse Generators (Pacemakers)
- CRT-P-Cardiac Resynchronization Therapy Pacemakers

Overview

For Medtronic IPGs or CRT-Ps with magnet mode functionality, when the Medtronic magnet (Model 174105 or Model 9466) is placed directly over the device, the device’s pacing mode and pacing rate are affected.

(Note: The model AT501 does not respond to a magnet with asynchronous pacing). Once the magnet is removed the device returns to normal function immediately with no permanent changes.

**Note:** Device labeling must be reviewed for specific information on how a device will respond when the Medtronic magnet is applied.

When in magnet mode, the device switches to an asynchronous mode and the resulting pacing rate provides an indication of the status of the device. In general, when in magnet mode, Medtronic pacemakers pace at either 85 bpm when the device is operating at normal conditions or 65 bpm when the device has reached its recommended replacement time (RRT) or the device has experienced an electrical reset. In all cases, refer to the product manual (available at [www.manuals.Medtronic.com](http://www.manuals.Medtronic.com)) to determine the pacemaker’s magnet pacing rates, as the magnet pacing rates of older Medtronic pacemakers may be different than 85 bpm and 65 bpm.

For certain Medtronic pacemaker models (including Kappa, EnPulse, Adapta, Versa or Sensia), the magnet response will be suspended for 1 hour following an interrogation, unless the “End Now” command is chosen when ending the programmer session.
MAGNET STORAGE and HANDLING

- The magnet could damage some electronic devices if kept too close.
- Keep the magnet at least 15cm (six inches) from electronic devices and recordings: VCR’s, televisions and videotapes; bank and credit cards, cordless and cellular telephones, computers, diskettes, calculators etc.
- Keep the magnet at least 5cm (two inches) from watches and clocks.
- If soiled, the magnet can be wiped clean with a soft cloth or a sponge or washed with a non-abrasive cleanser. The magnet is not damaged by being submerged in water.