

Devices that May Interfere with ICDs and Pacemakers

We want to make you aware of new information about several types of devices that contain magnets and radio elements that release electromagnetic fields. These devices may interfere with your Implantable Cardioverter Defibrillator (ICD) or pacemaker if placed in close contact with your body. This handout describes the precautions you need to take if you own any of these devices.

What devices are we concerned about?

- **Apple iPhone 12, 13, 14, and 15** models contain a circular set of magnets as well as radio elements.
- **MagSafe and MagSafe Duo Wireless Chargers** for Apple iPhones 12, 13, 14, and 15 models have radio elements.
- **CPAP masks** with magnetic clips used to secure the headgear.

What happens if my heart device gets too close to electromagnetic fields?

If the electromagnetic fields created by these devices are too close to your implanted heart device, it may cause your heart device to deliver a therapy that is not needed or withhold a therapy that is needed.

What precautions should I take?

- If you own an **Apple iPhone** (iPhone 12, iPhone 12 mini, iPhone 12 Pro, iPhone 12 Pro Max, iPhone 13, iPhone SE 3, iPhone 14, iPhone 15), do the following:
 - Keep at least a 6-inch distance between your cellphone and your implanted heart device.
 - Hold your cell phone to the ear on the opposite side of the body from your heart device.

- Do not carry a cell phone in your pocket or on a belt if it's within 6 inches of your heart device.
- To learn more important [safety information from Apple Inc](#), visit their website at: support.apple.com/en-us/HT211900
- If you own the **MagSafe and MagSafe Duo Wireless Chargers for Apple iPhone**, do the following:
 - Keep at least a 12-inch distance between your cellphone and your implanted heart device.
- **If you own a CPAP mask with magnetic clips, do not use it.**

What should I do if I think an item is affecting my heart device?

If you receive a shock, or if you feel dizzy, lightheaded, or a change in your heart rate while using one of these devices, simply release whatever you are touching or move away from it. Your heart device is designed to return to normal operation. If your symptoms continue or do not improve, contact your provider as soon as possible.

What is the number to call?

- Monday through Friday 8:00 AM -5:00 PM:
 - If you have symptoms, call **(734) 647-5499** or toll-free **(844) 369-7816**, and press option 1.
- After 5:00 PM or on weekends or holidays:
 - Call **(734) 936-6267** and ask to speak with the Electrophysiology (EP) fellow on call.

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 Control #1349

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