



# SAFETY ALERT

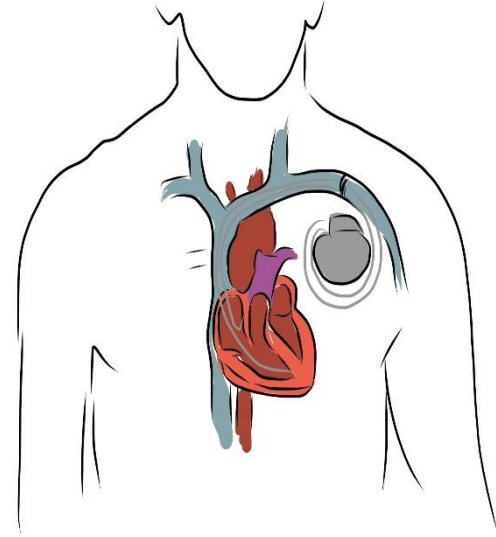
## iPhone 12 Impact on Implantable Devices

“Sharing Lessons Learned”

### Introduction:

The static magnetic and electromagnetic fields associated with the iPhone 12 and MagSafe accessories may cause **interference in pacemakers, defibrillators**, and other implanted medical devices when in close proximity.

- Δ Electromagnetic interferences can interrupt operation of such devices.
- Δ The malfunction could cause patient harm, including death, or hinder delivery of care.



### ECRI Recommendations:

1. Instruct patients to follow the recommendations of their implanted electronic device and avoid placing their iPhone 12 and MagSafe accessories in a pocket close to their implanted electronic medical device.
2. Warn patients and visitors about their use and potential interference with devices.
3. Instruct Patients and Staff to:
  - Δ Maintain a distance of at least 15 cm/6 inches between iPhone 12, MagSafe accessories and medical devices.
  - Δ Keep a distance of at least 30 cm/12 inches from medical devices when wirelessly charging iPhone 12 with MagSafe accessories.

### MagSafe accessories include:

1. Wireless chargers that attach magnetically to iPhone devices.
2. Cases, Wallets and Leather sleeves with built-in components.

### References:

ECRI Exclusive Hazard Report published: 02/12/2021 AN.H0667  
Restricted Use Of Cellular Phones Near Potentially Sensitive Medical Equipment IPP “NCIPP-8949”



Prepared by Clinical Engineering