

**“Global EMC’s knowledge of the required medical device standards was invaluable to quickly resolve Immunity compliance issues. They worked over the weekend to meet our tight time demands.”**

Chadi Harmouche,  
Director, Sustaining Engineering  
Medtronic Cryocath



**Medtronic CryoCath** leads the world in creating catheter- and probe-based CryoTherapy products to treat cardiovascular disease. In developing its products, their design team is very strong on product design and layout but turns to Global EMC for guidance on EMC issues, particularly Radiated Immunity issues. As a medical device that is utilized internally to closely monitor a patient’s condition, devices of this nature must meet the most stringent EMC standards and conditions to pass the US Food and Drug Administration’s approval program.

Global EMC tests to the most current EMC IEC 60601-1-2 standards for medical devices. Often, all testing is routine but occasionally, Radiated Immunity issues arise that require additional engineering services for full compliance. Recently, the GEMC engineers worked with a Medtronic specialist to identify and complete significant trial and error remedies including shielding, ferrites and cable relocation to establish a successful configuration to meet Immunity standards. This testing was carried out over a weekend to accommodate the Cryocath deadlines and in order to not interrupt other client’s test programs.