

LATITUDE® Patient Management System Provides Timely Information to Help Resolve Defibrillation Lead Issue

Case Submitted by:

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Case Background:

A number of patients with Boston Scientific CRM ICDs and CRT-Ds have been implanted with other manufacturer's leads. Using the LATITUDE Patient Management system to monitor these patients may enable earlier intervention in the event of a lead issue. The following case study illustrates how LATITUDE remote monitoring was integral in helping a clinician recognize and address a suspected lead fracture in a patient with another manufacturers' lead.

Patient History: 66-year old female:

- Ischemic cardiomyopathy, NYHA class III heart failure
- Nonobstructive CAD-Previous RCA stent
- Systolic CHF
- CONTAK RENEWAL® 3 RF implanted in 2006 in Arizona
- Enrolled in LATITUDE Patient Management with a wireless communicator in Arizona
- Subsequently moved to rural Kentucky, and LATITUDE remote monitoring and follow-up was transferred to a local cardiologist

Patient Initiated Interrogation and Clinical Action Taken

- 2007
 - Patient received a shock early in the morning and called her doctor's office. The nurse instructed the patient to perform a Patient Initiated Interrogation and reviewed the resulting information on the LATITUDE web site. The patient's atrial and shock EGM showed normal sinus rhythm, but the right ventricular lead was registering noise that led to shock delivery. Dr. Hesselson was then contacted to help troubleshoot.
- Later that morning
 - Dr. Hesselson reviewed the patient's chart and information available on the LATITUDE patient management system, including the presenting EGM. After evaluating this information and considering the fact the lead was under a product advisory for possible lead fracture, he suspected the problem was a lead fracture.
 - A magnet was placed over the CRT-D in the cardiologist's office until the tachycardia therapy could be programmed off.
- Later that afternoon
 - The patient's device was turned off and she was scheduled for an immediate lead extraction and implantation of an ENDOTAK RELIANCE® G lead. The device was turned back on after lead replacement.

Key Take-Away

- The LATITUDE Patient Management system provided accurate, timely information that helped the physician quickly identify a potentially dangerous lead issue.

Physician Commentary

Dr. Hesselson said "The information provided by the LATITUDE system helped me understand quickly what was happening with my patient and led to a safe resolution of this issue."

Individual symptoms, situations, circumstances and results may vary. Patients should consult a physician or qualified health provider regarding their medical condition and appropriate medical treatment. The information provided is not intended to be used for medical diagnosis or treatment or as a substitute for professional medical advice. This information is to be used in conjunction with other resource material, which may include the applicable patient handbook, device physician's manual, and any implant accessories instructions for use.

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