



Important Medical Device Information

Cardiac Rhythm Management

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Dear Doctor,

Summary

This letter is an update to our August 2013 physician communication, which discussed a subset of COGNIS™ CRT-Ds and TELIGEN™ ICDs that had experienced an increased rate of premature battery depletion due to compromised performance of a low voltage (LV) capacitor. With one additional year of clinical experience and analysis, we have identified a second subset of devices that may exhibit compromised LV capacitor performance at a rate that is similar to the August 2013 advisory subset.

While Safety Architecture diagnostic tools have successfully detected this behavior, Boston Scientific has recently introduced updated software that will further improve Safety Architecture effectiveness. For this reason, we recommend that patients with a device in the advisory population be scheduled for an in-clinic visit at first opportunity, but within three months, to upgrade their device with this new software. After a device has been upgraded, continue normal device monitoring as directed within labeling, and promptly investigate all alerts and device beeping. We recommend that advisory patients utilize the LATITUDE™ Patient Management System (remote monitoring), which can convey Safety Architecture alerts between office visits and may accelerate the detection of diminished LV capacitor performance.

Description and Clinical Implications

The performance of an LV capacitor may be compromised in some devices after two or more years of implant time, which will increase battery use and may eventually initiate one or more Safety Architecture alerts and patient-audible beeping. The alerts and beeping were designed to inform physicians and patients before therapy is impacted. The most common alert is a yellow programmer screen that states, "Voltage is too low for projected remaining capacity. Contact Technical Services with Code 1003". LATITUDE issues a corresponding yellow alert (nominally configured "On"). In other instances, diminished LV capacitor performance can result in an early "Explant" battery status indicator (ERI) and a replacement window that may be less than 3 months. No patient deaths have been associated with this compromised LV capacitor pattern. Advisory devices have not been available for implant for more than three years.

Devices that experience a low voltage alert require replacement. If not replaced, increased current drain could deplete the battery and impact therapy delivery and telemetry. If a Safety Architecture alert is observed, Boston Scientific Technical Services can analyze device information downloaded from a recent in-clinic or LATITUDE interrogation, which will clarify approximately how much time is available to replace the device.

COGNIS/TELIGEN Performance

A total of approximately 267,000 COGNIS and TELIGEN defibrillators have been distributed and implanted since May of 2008. Overall Cumulative Survival, including normal battery depletion, is approximately 95% at 72 months (see Appendix A).

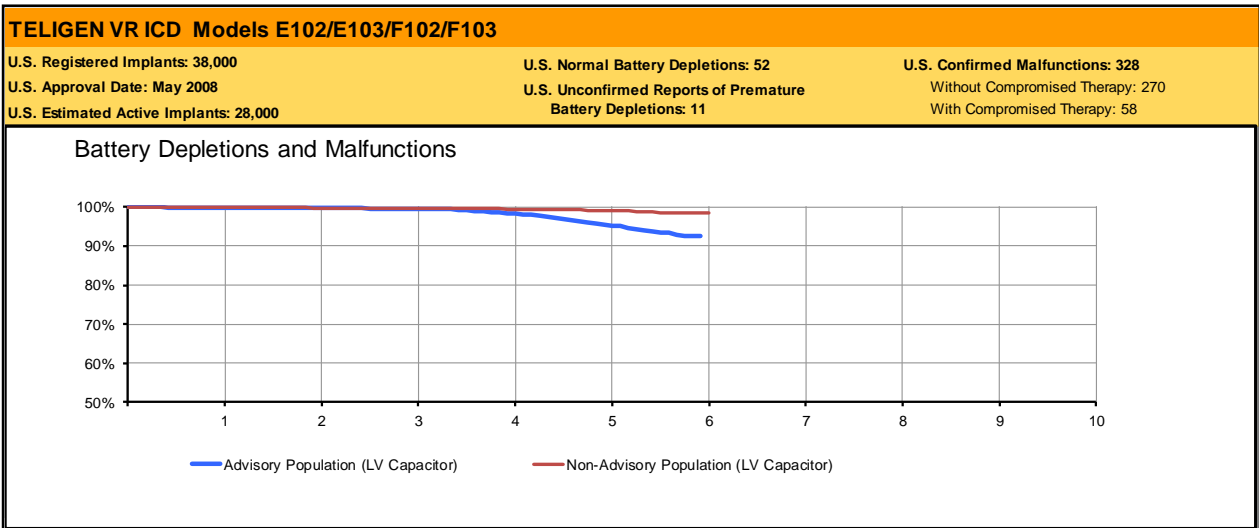
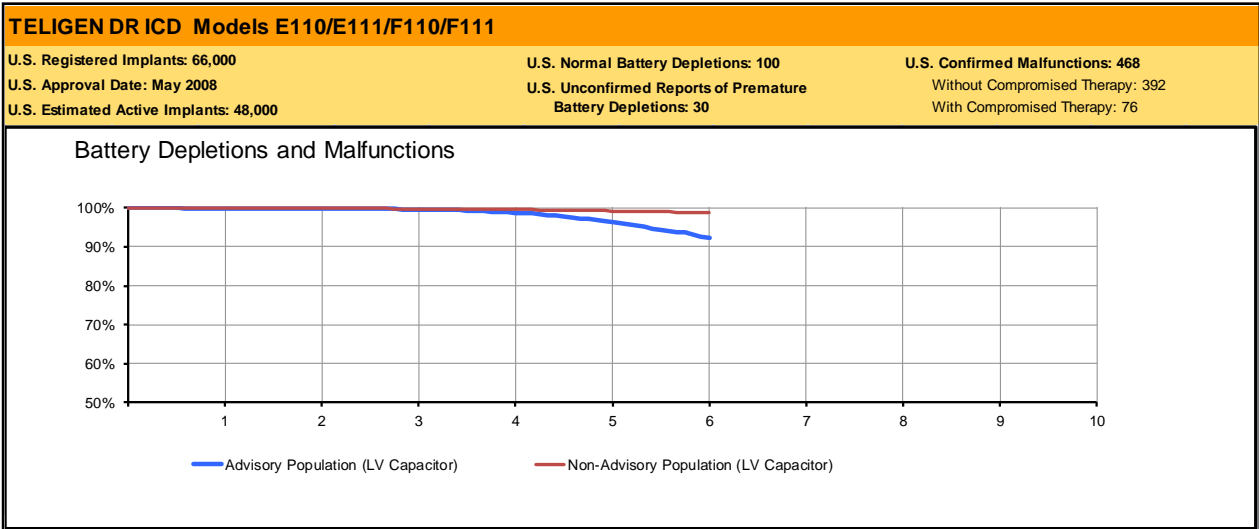
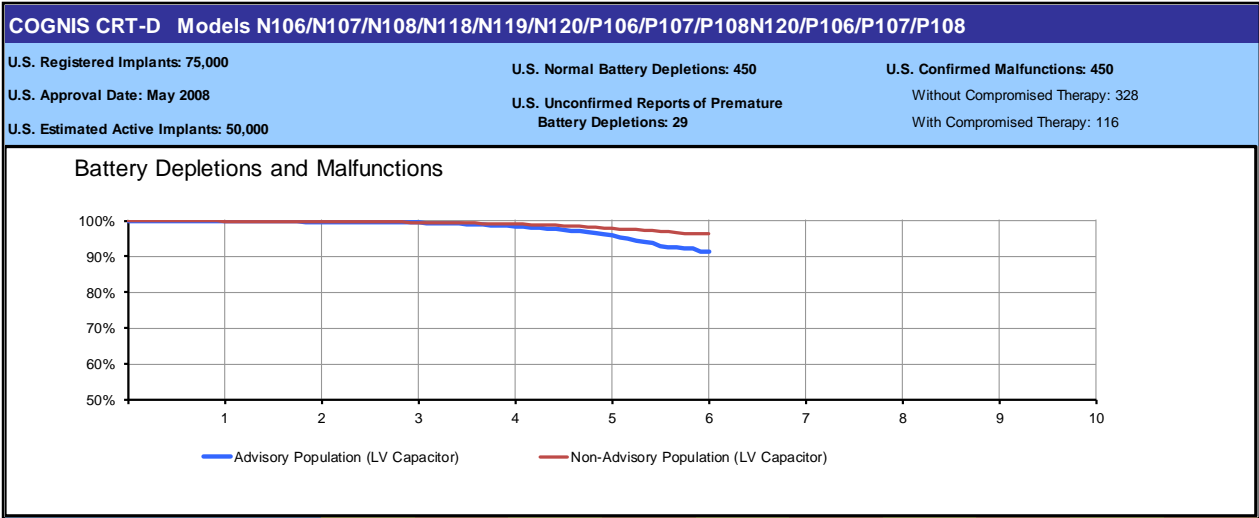
Advisory population

Approximately 22,800 devices identified in the August 2013 communication remain in service. We have identified an additional 27,300 active devices that may exhibit diminished LV capacitor performance at a rate that is similar to the August 2013 advisory population. The projected cumulative rate of occurrence for LV capacitor malfunction within the total advisory population is approximately 2.9% at 60 months. Due to Safety Architecture alerts and timely physician response, the potential for life-threatening harm from loss of therapy is estimated to be less than 1 in 125,000 (0.0008%) at 60 months.

A list of advisory devices (model and serial number) implanted at or followed by your clinic/center is included with this letter. In addition, an on-line search tool is available at www.bostonscientific.com/ppr to determine if a specific model/serial number combination is within the advisory subset.

Appendix A

All-cause* Cumulative Survival for devices within and outside of the Low Voltage Capacitor Advisory subset population (United States data)



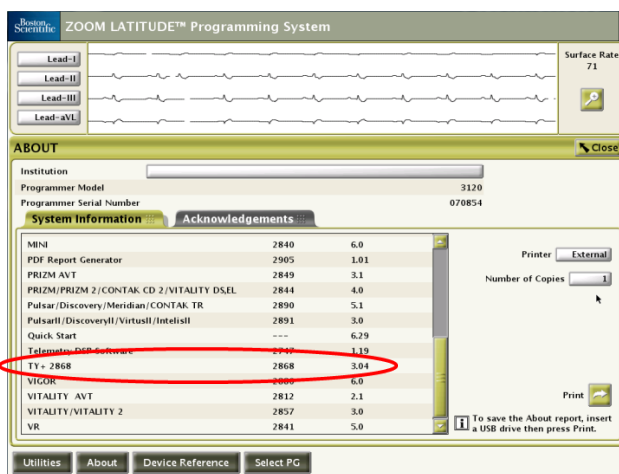
*Includes normal battery depletions and confirmed malfunctions.

Appendix B

How to identify the current version of software for ZOOM™ LATITUDE™ programmers and implanted COGNIS™ CRT-Ds and TELIGEN™ ICD-s

How can I tell if a Model 3120 Programmer has been updated with the new version of software?

- Look for Model 2868, version 3.04 under System Information on the About screen



How can I tell if a patient's device has been interrogated with the new version of software?

- For PDF reports printed on an external printer, the programmer software version is located at the bottom of every page.
- For reports printed on the programmer printer, the programmer software version is located at the bottom of the last page

