

INOGEN™ X4 CRT-D

Models G146 and G148

Details About Your Boston Scientific Cardiac Resynchronization Therapy Defibrillator (CRT-D)

Who gets a CRT device?

Cardiac resynchronization therapy (CRT) is one treatment option for some heart failure patients. A CRT device delivers electrical pulses to the left and right ventricles to help them contract at the same time. CRT therapy is indicated for these patients:

- Moderate to severe HF symptoms despite medical therapy (NYHA functional class III–IV)
- A weakened and enlarged heart (cardiomyopathy)
- An electrical problem that causes uncoordinated pumping of the ventricles
- A left bundle branch block

A CRT-D device is a special device for heart failure patients who are also at high risk for sudden cardiac death.

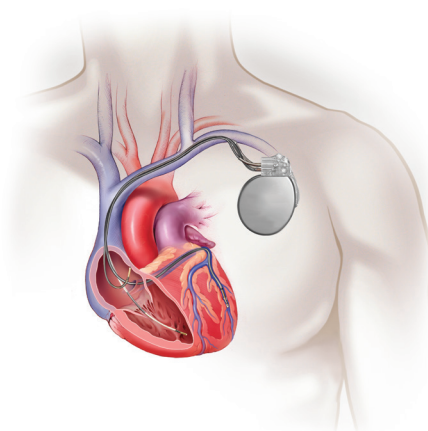
What is a CRT-D?

A CRT-D system uses a small, battery-powered device and three leads wires implanted in your heart. It will pace both ventricles (the lower chambers of the heart) to make the heart pump more efficiently. A CRT-D device can also treat dangerously fast rhythms (arrhythmias) that can lead to sudden cardiac arrest. Your doctor programs your CRT-D to respond appropriately based on your individual heart rhythm needs.

How long will my CRT-D last?

Like anything that operates on a battery, the life of your CRT device will depend on how much the battery is used. The battery is used every time your device delivers therapy. So the amount of therapy you receive, and the amount of energy your doctor programs into those therapies, affects the life of the battery.

An INOGEN X4 CRT-D device is estimated to last 6–8 years.



What size is my CRT-D?

| Model | Height | Width | Thickness | Weight | Volume |
|-------|----------------------|---------------------|--------------------|---------------------|---------|
| G146 | 3.18 in., 8.08 cm | 2.11 in. 5.37 cm | 0.39 in 0.99 cm | 2.58 oz., 73.4 g | 32.0 cc |
| G148 | 3.22 in., 8.18 cm | | | 2.6 oz., 73.8 g | 32.5 cc |

The INOGEN X4 CRT-D is the thinnest heart failure device available today.

INOGEN X4 CRT-D Actual size
(when printed at 100%)

How does an CRT-D work?

When a CRT device delivers heart failure pacing therapy, it uses low-energy impulses to help your heart pump more efficiently. The device continuously monitors your heart rhythm, 24 hours a day. When the CRT-D detects a heart rhythm that is not normal, special features help the device decide what to do. Your CRT-D then determines if electrical signals will be delivered to correct the rhythm, and records its action for your doctor to review.

- HF Perspectiv™ is a suite of diagnostics that track the range and rate of your heart beats
- Respiratory Rate Trend measures daily respiration rates as a measure of your lung function
- AcuShock™ Advanced Technology provides therapy options to help reduce the risk of unnecessary shock therapies

What happens after my implant procedure?

Once you receive a CRT-D system, it is important to follow your doctor's guidelines for follow-up visits. These typically occur every 3 months. Your doctor uses the follow-up visits to check your device and monitor your heart condition, which can change over time. Your doctor may also adjust your device settings.

With your new CRT-D system and the guidance of your healthcare provider, you should soon return to your normal lifestyle. For most people, work, hobbies, sexual activity, travel, and other activities can be continued once they have a CRT-D device. Your CRT-D system will help you enjoy as active and productive a lifestyle as your overall health permits.

Important Safety Information

Cardiac Resynchronization Therapy Devices

Cardiac resynchronization therapy pacemakers (CRT-P) and defibrillators (CRT-D) are designed to treat heart failure patients who may or may not have symptoms or who may have symptoms despite the best available drug therapy. They are also designed to help your heart pump more effectively and meet your body's need for blood flow.

These devices are sensitive to strong electromagnetic interference (EMI) and can be affected by certain sources of electric or magnetic fields. With all medical procedures there are risks associated. In regard to an implanted ICD, the risks include but are not limited to inappropriate shock, lead moves out of place, loss of stimulation capability, allergic reaction, fluid underneath the skin, and infection. In rare cases device failure or death can occur. Be sure to talk with your doctor so that you thoroughly understand all of the risks and benefits associated with the implantation of this system. To obtain a copy of the device Patient Handbook for more detailed device safety information, go to www.bostonscientific.com, or you can request a copy by calling 1-866-484-3268 or writing to Boston Scientific, 4100 Hamline Ave. N., St. Paul, MN 55112.

(Rev. J)

Device Quality and Reliability

It is Boston Scientific's intent to provide implantable devices of high quality and reliability. However, these devices may exhibit malfunctions that may result in lost or compromised ability to deliver therapy. Refer to Boston Scientific's CRM product performance report on www.bostonscientific.com for more information about device performance, including the types and rates of malfunctions that these devices have experienced historically. While historical data may not be predictive of future device performance, such data can provide important context for understanding the overall reliability of these types of products. Also, it is important that you talk with your doctor about the risks and benefits associated with the implantation of a device.

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Rhythm Management

One Boston Scientific Place
Natick, MA 01760-1537 USA
www.bostonscientific.com

Medical Professionals:
1.800.CARDIAC (227.3422)
Patients and Families:
1.866.484.3268

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CRM-239119-AA MAY2014