

EVOLUTION OF THE ICD *Smarter Over the Years*

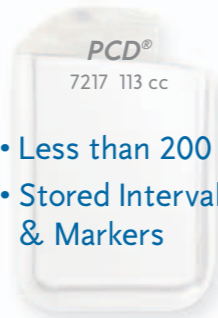


PCD[®]

7216 209 cc

- Tiered Therapy
- Stored Intervals & Markers

1989



PCD[®]

7217 113 cc

- Less than 200 g
- Stored Intervals & Markers

1993



Jewel[®]

7219 80 cc

- First Pectoral Implant
- T-Shock[™] Induction

1995

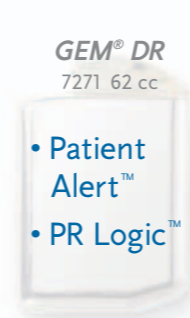


Micro Jewel^{® II}

7223 54 cc

- EGM Width Detection Criterion
- Smart Mode

1997



GEM^{® DR}

7271 62 cc

- Patient Alert[™]
- PR Logic[™]

1998



GEM^{® II DR}

7273 39.5 cc

- Smaller Size
- MicroTech Capacitor & Battery

1999

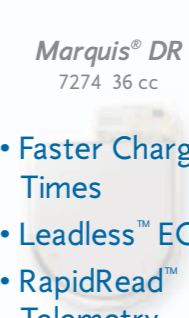


GEM^{® III AT}

7276 39.7 cc

- Atrial Diagnostics & Therapies
- Enhanced PR Logic

2001



Marquis^{® DR}

7274 36 cc

- Faster Charge Times
- Leadless[™] ECG
- RapidRead[™] Telemetry
- Cardiac Compass[™] Trends
- Medtronic CareLink[™] Network*

2002



Maximo^{™ DR}

7278 39 cc

- Marquis Features
- 35 J Output

2003

Disclosure

MARQUIS® and GEM® III AT ICDs

Indications: Marquis and GEM III AT ICD systems are intended to provide ventricular antitachycardia pacing and ventricular defibrillation for automated treatment of life-threatening ventricular arrhythmias. GEM III AT system is also intended to provide pacing, cardioversion, and defibrillation for treatment of patients with symptomatic, drug-refractory, atrial fibrillation. The GEM III AT system is indicated for use in ICD patients with atrial tachyarrhythmias, or who are at significant risk of developing atrial tachyarrhythmias.

Contraindications: Do not use the Marquis or GEM III AT ICD systems in patients whose tachyarrhythmias may have transient or reversible causes; patients with incessant ventricular tachyarrhythmias; patients who have a unipolar pacemaker; or patients whose primary disorder is bradyarrhythmias. Additionally, do not use the GEM III AT system in patients with only chronic atrial tachyarrhythmias.

Warnings/Precautions: Changes in patient's disease and/or medications may alter the efficacy of the device's programmed parameters. Patients should avoid sources of magnetic resonance imaging, diathermy, high sources of radiation, electrosurgical cautery, external defibrillation, lithotripsy, and radiofrequency ablation. These may result in electrical reset of the device and may result in inappropriate sensing and/or therapy. Do not place transthoracic defibrillation paddles directly over the device. Use of the GEM III AT ICD system should not change the application of established anticoagulation protocols. Following an ischemic or cerebrovascular accident, disable atrial defibrillation therapies in the GEM III AT until the patient has stabilized.

Potential Complications for ICDs include, but are not limited to, failure to detect and/or terminate tachyarrhythmia episodes, acceleration of tachyarrhythmia episodes, and lead system complications.

The Medtronic CareLink Monitor is a prescription device indicated for use in the transfer of patient data from some Medtronic implantable cardiac devices based on physician instructions and as described in the product manual. This product is not a substitute for appropriate medical attention in the event of an emergency and should only be used as directed by a physician. The Medtronic CareLink Network is currently available in the continental US, Alaska, and Hawaii.

See the appropriate technical manuals for detailed information regarding instructions for use, indications, contraindications, warnings and precautions, and potential adverse events.

Caution: Federal law (USA) restricts these devices to sale by or on the order of a physician.