

NEW INTELLIGENCE INSIDE.

TruRhythm™ Detection
inside the Reveal LINQ™
Insertable Cardiac Monitoring System



World's smallest ICM. Now smarter.

Smart detection algorithms
that streamline data.

Medtronic

LEADING INNOVATION

In Insertable Cardiac Monitoring Systems

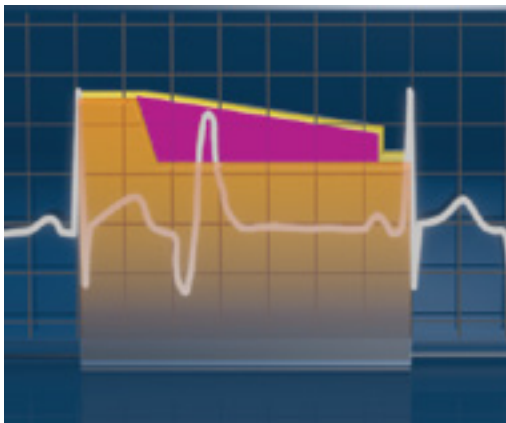
<p>1998</p>  <p>Reveal™ ICM World's First ICM</p>	<p>2009</p>  <p>Reveal™ XT ICM World's First AF Algorithm</p>	<p>2014</p>  <p>Reveal LINQ™ ICM World's Smallest ICM</p>	<p>2016</p>  <p>Reveal LINQ™ Mobile Manager & Reveal LINQ™ Monitoring Service Innovative ICM Solutions</p>	<p>2017</p> <p>NOW SMARTER</p>  <p>TruRhythm™ Detection New Intelligence inside the Reveal LINQ ICM</p>
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INTELLIGENT NEW EXCLUSIVE ALGORITHMS

BRADY & PAUSE

Smart filtering
NEW second sensing filter analyzes rhythms for possible undersensing in Brady and Pause



NEW second filter identifies PVCs and rejects false episodes

AF

Self-learning
NEW AF algorithm learns and adapts to patients with sinus arrhythmia



NEW self-learning threshold rejects false AF in patients with history of P waves



ACTIONABLE STREAMLINED EPISODE REVIEW

	Reduction in false detects* ¹	Relative sensitivity ^{†1}
BRADY	↓ 95%	98.3%
PAUSE	↓ 47%	99.4%
AF**	↓ 49%	99.1%

* Compared with the Reveal LINQ™ ICM without TruRhythm™ Detection
[†] Relative sensitivity compared with the Reveal LINQ ICM without TruRhythm Detection
 ** In known AF patients

Improved reporting

- **NEW** 30 seconds of ECG for longest AF episodes
- **NEW** 2 minutes of markers for longest AF episode

Reliable, Accurate Cardiac Compass™ Report



PROVEN CONFIDENCE ACROSS CONDITIONS



Cryptogenic stroke

88% of patients would be missed with 30-day monitoring*²



Syncopal

78% of patients with recurrent syncope diagnosed with ICM³



Atrial fibrillation

Short and intermittent monitoring may miss paroxysmal AF²

TruRhythm Detection Benefits

Don't miss an AF episode[†] with high sensitivity and streamlined data review¹

Spend less time reviewing data, with significant reduction in Brady & Pause episodes^{1,4}

Manage AF patients over time with more actionable, accurate reports¹

*Based on Kaplan Meier estimates
[†]Episodes detected are ≥ 2 minutes.

THE WORLD'S MOST PROVEN, ACCURATE ICM TO INFORM DECISIONS.¹⁻⁶

TruRhythm™ Detection
inside the Reveal LINQ™ ICM



References

- ¹ TruRhythm™ Detection Algorithms. Medtronic data on file. 2017.
- ² Sanna T, Diener HC, Passman RS, et al. Cryptogenic stroke and underlying atrial fibrillation. *N Engl J Med*. June 26, 2014;370(26):2478-2486.
- ³ Edvardsson N, Frykman V, van Mechelin R, et al. Use of an implantable loop recorder to increase the diagnostic yield in unexplained syncope: results from the PICTURE registry. *Europace*. February 2011;13(2):262-269.
- ⁴ TruRhythm™ Detection Efficiency. Medtronic data on file. 2017.
- ⁵ Sanders P, Pürerfellner H, Pokushalov E, et al. Performance of a new atrial fibrillation detection algorithm in a miniaturized insertable cardiac monitor: Results from the Reveal LINQ Usability Study. *Heart Rhythm*. July 2016;13(7):1425-1430.
- ⁶ Medtronic Reveal™ AF Publications. Medtronic data on file. 2016.

Indications, Safety, and Warnings

If you are located in the United States, please refer to the brief statement to review applicable indications, safety, and warning information. See the device manual for detailed information regarding the implant procedure, indications, contraindications, warnings, precautions, and potential complications/adverse events. For further information, please call Medtronic at 763-514-4000 and/or consult the Medtronic website at medtronic.com.

If you are located outside the United States, see the device manual for detailed information regarding the implant procedure, indications, contraindications, warnings, precautions, and potential adverse events. For further information, contact your local Medtronic representative and/or consult the Medtronic website at medtronic.com.



www.medtronic.com/manuals

Consult instructions for use at this website. Manuals can be viewed using a current version of any major Internet browser. For best results, use Adobe Acrobat Reader® with the browser.

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Brief Statement

Reveal LINQ™ Insertable Cardiac Monitor

Indications

The Reveal LINQ insertable cardiac monitor (ICM) is an implantable patient-activated and automatically activated monitoring system that records subcutaneous ECG and is indicated in the following cases:

- Patients with clinical syndromes or situations at increased risk of cardiac arrhythmias
- Patients who experience transient symptoms such as dizziness, palpitation, syncope, and chest pain that may suggest a cardiac arrhythmia

The device has not been tested specifically for pediatric use.

Contraindications

There are no known contraindications for the implant of the Reveal LINQ ICM. However, the patient's particular medical condition may dictate whether or not a subcutaneous, chronically implanted device can be tolerated.

Warnings/Precautions

Patients with the Reveal LINQ ICM should avoid sources of diathermy, high sources of radiation, electrosurgical cautery, external defibrillation, lithotripsy, therapeutic ultrasound, and radiofrequency ablation to avoid electrical reset of the device, and/or inappropriate sensing as described in the Medical Procedure and EMI Precautions Manual. MRI scans should be performed only in a specified MR environment under specified conditions as described in the Reveal LINQ MRI Technical Manual.

Potential Complications

Potential complications of the Reveal LINQ device include, but are not limited to, device rejection phenomena (including local tissue reaction), device migration, infection, and erosion through the skin.

See the device manuals for detailed information regarding the implant procedure, indications, contraindications, warnings, precautions, and potential complications/adverse events. For further information, please call Medtronic at 1-800-328-2518 and/or consult the Medtronic website at medtronic.com.

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

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