EXPERIENCE THE REVEAL LINQ™ ADVANTAGE

Reveal LINQ™ Insertable Cardiac Monitor with TruRhythm™ Detection

The world’s smallest, most accurate ICM

Medtronic
THE REVEAL LINQ™ SYSTEM ADVANTAGE

Actionable data to diagnose and treat even the most difficult-to-detect arrhythmias

UNMATCHED ACCURACY
Device innovations that provide leading detection accuracy

SUPERIOR EVIDENCE
Clinical rigor that guides decisions across multiple conditions

SIMPLIFIED MONITORING
Exclusive solutions that offer new freedom to focus on patients

SMALL
One-third the size of a AAA battery (1.2 cc)

SIMPLE
Minimally invasive, simplified insertion procedure

3 YEARS
Up to 3-year longevity for long-term monitoring

AN ADVANCED MONITORING SOLUTION

REVEAL LINQ™ ICM
MR Conditional at 1.5 and 3.0 Tesla

MyCareLink™ Patient Monitor

Cellular

CareLink™ Network and Reports

DEVICE LONGEVITY THAT OPTIMIZES DIAGNOSTIC YIELD

30% Cryptogenic Stroke AF diagnoses occur after 2 years

20% Syncope diagnoses occur after 2 years

Long-term, continuous data for ongoing AF management
**INDUSTRY-LEADING TRURHYTHM DETECTION**

Our newest detection algorithms streamline episodes without sacrificing sensitivity.

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

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

**DRIVING ACCURACY EVOLUTION**

Dedicated to advancing accuracy with every device generation.

- **Reveal™ XT**
  - Industry’s first AF detection algorithm
  - NEW Pause algorithm with diminishing R-wave analysis
  - NEW AF algorithm and improved noise discrimination
  - 2009

- **Reveal™**
  - NEW AF algorithm with increased accuracy
  - 2014

- **TruRhythm™ Detection**
  - NEW algorithms with
    - Smart filtering
    - Self-learning intelligence
  - 2017

- **Reveal LINQ™**
  - NEW AF algorithm with increased accuracy
  - 2014

**SUPERIOR ACCURACY IN AF DETECTION**

Demonstrating superior atrial fibrillation detection accuracy through our performance results.

<table>
<thead>
<tr>
<th>Advanced AF detection*</th>
<th>Reveal LINQ (ICM)†</th>
<th>Confirm™ (ICM)†</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF BURDEN (Gross)</td>
<td>Sensitivity 98.9%</td>
<td>83.8%</td>
</tr>
<tr>
<td></td>
<td>PPV 99.0%</td>
<td>93.5%</td>
</tr>
<tr>
<td>AF EPISODE (Pt Avg)</td>
<td>Sensitivity 99.7%</td>
<td>95.6%</td>
</tr>
<tr>
<td></td>
<td>PPV 95.3%</td>
<td>60.7%</td>
</tr>
</tbody>
</table>

†% of False Positives = (1 –Episode PPV). Episode PPV may vary (gross, patient average).

**Streamlined Episode Review**

- **Confirm-AF™** 39.3%
  - 8X fewer false positives 5,6

- **BioMonitor 2-AF®** 26.3%

- **Reveal LINQ™** 9.6%

- **Reveal LINQ with TruRhythm Detection™** 4.7%

*In known AF patients.
SUPERIOR EVIDENCE

**MOST STUDIED**
Evidence portfolio that includes 500+ published clinical articles and abstracts.

**MOST VALIDATED**
Clinical validation across Cryptogenic Stroke, Syncope, and Atrial Fibrillation.

**MOST UTILIZED**
Data leveraged by clinical societies to develop treatment guidelines across indications.

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**CRYPTOGENIC STROKE**
**CRYSTAL AF Study**
Short- and intermediate-term cardiac monitoring may miss many patients with paroxysmal AF.

- **84 DAYS**
is the median time to AF detection in Cryptogenic Stroke patients.

- **88%** of patients who had AF would have been missed if only monitored for 30 days.

**2016 ESC Guidelines for the Management of AF**
Long-term insertable cardiac monitoring recommended for cryptogenic stroke patients to document silent AF.

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**SYNCOPE**
**PICTURE Study**
Reveal ICMs demonstrated success in diagnosing patients with unexplained syncope.

- **38%** of patients experienced a recurrence within one year.

- **78%** of recurrent syncope patients had a Reveal ICM guided diagnosis.

**2017 ACC/AHA/HRS Guidelines for the Management of Syncope**
Insertable cardiac monitoring recommended for syncope patients based on frequency and nature of events.

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**ATRIAL FIBRILLATION**
**Reveal AF Study**
AF detection increases over time for patients at high risk for AF and stroke.

- **40%** AF detection rate at 30 months.

- **84.5%** of patients with AF would have been missed if only monitored for 30 days.
FREEDOM TO FOCUS ON BETTER PATIENT CARE

Exclusive solutions keep you connected to your patients, while turning device data into actionable insights.

APP-BASED INSERTION WORK FLOW

Reveal LINQ Mobile Manager

Manage device registration, activation, CareLink™ pre-enrollment and patient education — right from your tablet.

MORE EFFICIENT DATA MANAGEMENT

Enhanced CareLink™ Network

Move critical transmissions to the forefront and assess/adjudicate episodes right from the improved Quick Look™ page.

A VIRTUAL EXTENSION OF YOUR CLINICAL TEAM

Reveal LINQ™ Monitoring Service

Streamline patient management with support from certified technicians who ensure ongoing data transmission, review cardiac data, and provide clinically actionable reports.
Indications, Safety, and Warnings

If you are located in the United States, please refer to the brief statement below 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 or adverse events. For further information, contact your local Medtronic representative and/or consult the Medtronic website at medtronic.com.

If you are located outside the United States, please refer to 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.

Important Reminder: This information is intended only for use in markets where Medtronic products and therapies are approved or available for use as indicated in the respective product manuals. Content on specific Medtronic products and therapies is not intended for use in markets that do not have authorization for use.

References
2. Reference the Reveal LINQ ICML Clinician Manual for usage parameters.

The Medtronic MyCareLink patient monitor and the Medtronic CareLink network are indicated for use in the transfer of patient data from Medtronic implantable cardiac devices. These products are not a substitute for a dedicated data available and alert notifications are subject to Internet connectivity and access, and service availability. The MyCareLink patient monitor must be on and in range of the device. Alert notifications are not intended to be used as the sole basis for making decisions about patient medical care.

Reveal LINQ® Insertable Cardiac Monitor, Reveal LINQ® Mobile Manager System The Patient Assistant

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 chronic, paroxysmal, or episodic atrial arrhythmias
- Patients who experience transient symptoms such as dizziness, palpitation, syncope, and chest pain, that suggest a cardiac arrhythmia
- The device has not been tested specifically for pediatric use.

Reveal LINQ Mobile Manager System

The Reveal LINQ Mobile Manager app is intended for programming and interrogating the Reveal LINQ™ ICML. The Medtronic 24965 patient connector is a portable electronic device using low frequency inductive telemetry to communicate with the Reveal LINQ™ ICM. The patient connector uses ultra-low power wireless technology to communicate with the Reveal LINQ™ Mobile Manager app for further processing. The patient connector is intended to be used by healthcare personnel only in a clinical or hospital environment.

Patient Assistant

The Patient Assistant is intended for unmonitored patient use away from a hospital or clinic. The Patient Assistant activates the data management feature in the Reveal® insertable cardiac monitor to initiate recording of cardiac event data in the implanted device memory.

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

Revealed Insertable Cardiac Monitor

Warnings/Precautions: Patients with the Reveal LINQ™ ICM should avoid sources of diathermy, high sources of radiation, electrocautery, external defibrillation, phototherapy, therapeutic ultrasonic and radiofrequency ablation to avoid electrical reset of the sensor and/or inappropriate sensing as described in the Medical Procedure and EM precautions manual. MRI scans should be performed only in a specified MRI environment, under specified conditions as described in the Reveal LINQ™ MRI Technical Manual.

Reveal LINQ Mobile Manager System

Before the final implantation, the physician should verify that the patient connector and mobile device are fully charged. The patient connector and mobile device may run out of power during the insertion procedure if they are not fully charged. You will not be able to program or interrogate the patient’s Reveal LINQ™ ICM until the patient connector and the mobile device have power.

The patient connector to communicate with the intended implanted devices. Do not use the user interface to communicate with other implanted devices. Using the patient connector to communicate with other implanted devices can interfere with those devices, potentially affecting the other implanted device’s functionality or therapy delivery.

Use of wireless devices — The patient connector incorporates radiofrequency (RF) communications components which may affect other devices and/or equipment in close proximity. The use of wireless devices in the medical environment must be evaluated and authorized by the responsible organization. RF interference may affect device performance.

Electromagnetic Compatibility (EMC) testing shows that the patient connector provides reasonable protection against harmful interference and provides EMC immunity to a typical medical installation. The use of wireless devices in the medical environment must be evaluated and authorized by the responsible organization. However, there is no guarantee that interference will not occur in a particular installation. If the patient connector does cause interference to other devices or in a way that may be harmful to the patient, the patient connector should be adjusted or an alternative interface should be used.

Radiofrequency (RF) interference — Portable and mobile RF communications equipment may interfere with the operation of the patient connector. There is no guarantee that it will not receive interference or that any particular transmission from this equipment will be free from interference. To avoid interference, do not use the patient connector and mobile device within 2 m (6.6 feet) of other wireless communications equipment. Using the patient connector near these devices could interfere with communication between the Reveal LINQ™ ICM and the patient connector.

Security — Maintain adequate physical security of the patient connector to prevent unauthorized use that could lead to harm to patients. Bluetooth communications in the patient connector is encrypted for security. Medtronic inductive telemetry uses short-range communication to protect patient information. If the patient connector is lost, there is no risk of patient harm.

Environmental precautions — To ensure safe and effective operation, use the device with care to avoid damage to the patient connector from environmental factors that may impair its function. Care is exercised in design and manufacturing to minimize damage to devices under normal use. However, electronic devices are susceptible to many environmental stresses. Specifically, the patient connector may be affected by electrostatic discharge (ESD). If an environment likely to cause ESD, such as a carpeted floor, discharge any charge collected on your body before touching the device.

Patient Assistant

Operation of the Patient Assistant near sources of electromagnetic interference, such as cellular phones, computer monitors, etc., may adversely affect the performance of this device.

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.

Medtronic MyCareLink® “Patient Monitor, Medtronic CareLink® Network and CareLink® Mobile Application

Intended Use: The Medtronic MyCareLink patient monitor and CareLink network are 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. The CareLink network application is intended to provide current CareLink network customers access to CareLink network data via a mobile device for their convenience. The CareLink mobile application is not replacing the full workstation; but can be used to review patient data when a physician does not have access to a workstation. These products are not a substitute for the physician’s clinical judgment in the event of an emergency and should only be used as directed by the physician. CareLink network availability and mobile device accessibility may be unavailable at times due to maintenance or updates, or due to coverage being unavailable in your area. Mobile device access to the Internet is required and subject to a coverage availability. Standard text messaging rates apply.

Contraindications: There are no known contraindications.

Warnings and Precautions: The MyCareLink patient monitor must only be used for interrogating compatible Medtronic implantable devices. See the device manuals for detailed information regarding the implant procedure, indications, contraindications, warnings, precautions, and potential complications or adverse events. For further information, please call Medtronic at 1-650-514-4000 and/or consult the Medtronic website at medtronic.com.

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