implicity®

ILR ECG Analyzer*

**Boost medical staff productivity
by focusing on meaningful cardiac arrhythmia events**

Latest AI Innovation

A daily issue

Implantable loop recorders (ILRs) emit a high number of false-positive episodes, making remote monitoring particularly time-consuming.

The application of AI to ECG processing

The use of signal analysis techniques on the raw data available for Medtronic ILRs allowed IMPLICITY®, with the help of a group of medical annotators, to train an AI algorithm to classify ECGs.

ILR ECG Analyzer, the new artificial intelligence algorithm

This software medical device **reduces the number of false positives by 79%** when analyzing ECG recordings from patients implanted with Medtronic ILRs, while **maintaining a sensitivity of 99%.****

The benefits for remote monitoring teams
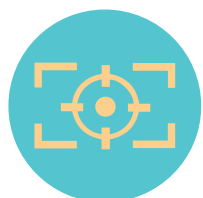
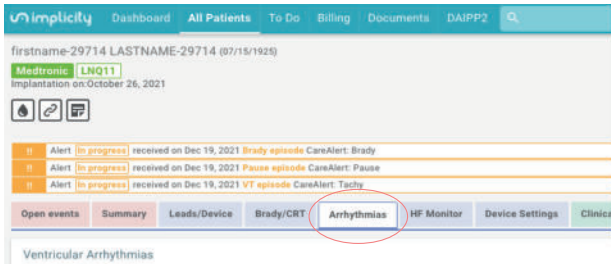Improved arrhythmia detection, allowing to focus on real events.

Significant time savings, allowing more patients to be monitored.

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ILR ECG Analyzer*

*In order to activate ILR ECG Analyzer on the IMPLICITY®
platform, we invite you to contact the Customer Success
team: customer-success@implicity.com*

**Latest
AI
Innovation**

Using ILR ECG Analyzer on the IMPLICITY® platform

1 On the patient profile, click on the «Arrhythmias» tab

2 Use filters to find the episodes suggested as abnormal
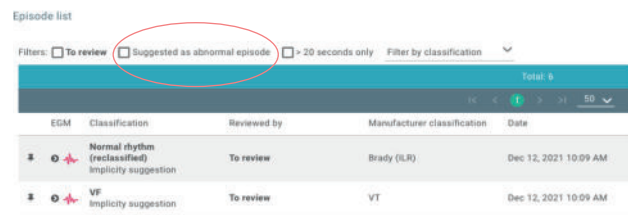
3 Visualize the classification suggested by Implicity®'s AI algorithm

4 Accept or change classification

5 Pin abnormal episodes to find them on reports