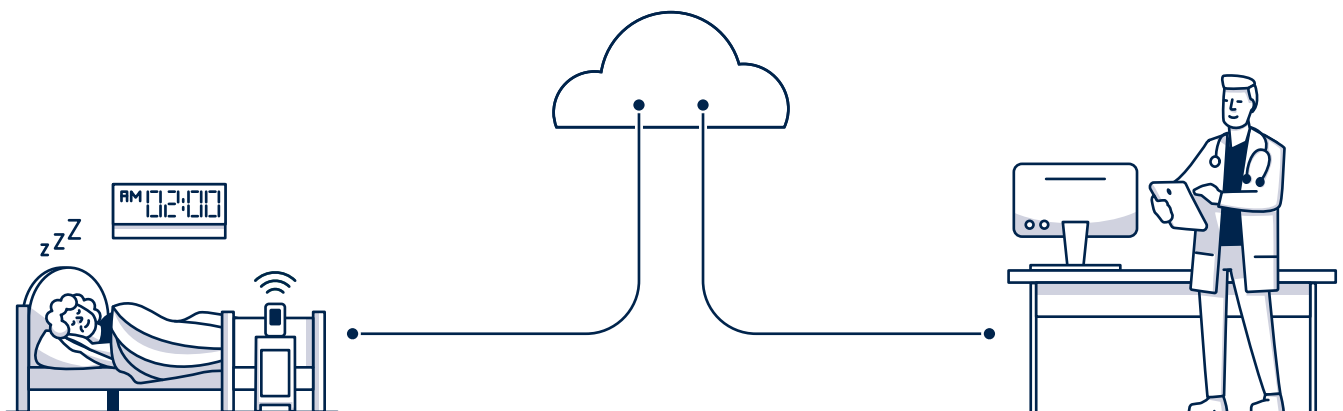


Sustained Surveillance Cardiac Monitoring with BIOMONITOR III and BIOTRONIK Home Monitoring

biotronik.com



One-step injection procedure, auto-pairing and automatic data transmission simplify the sustained surveillance experience for patients and health systems from implant, through follow-up and diagnosis.



Periodic Cardiac Assessment Often Fails to Detect Infrequent Arrhythmias¹

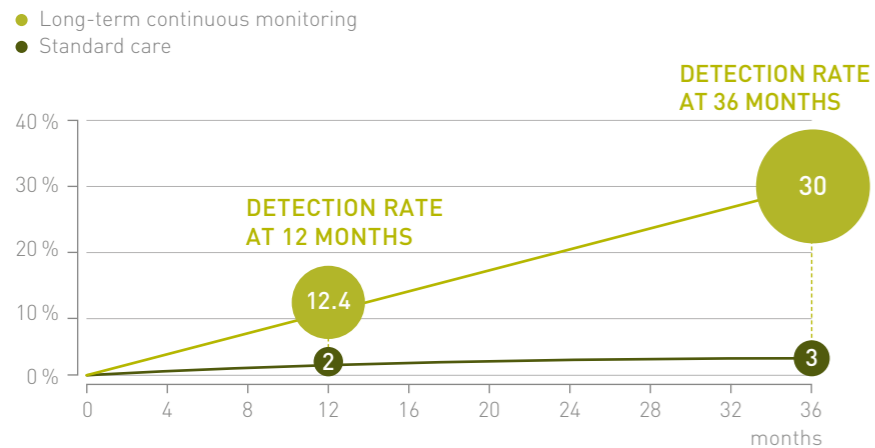
Cardiac monitoring devices capable of sustained surveillance can be the solution for detecting infrequent arrhythmias commonly associated with risk of stroke. Patient adherence is essential - otherwise, diagnoses may be delayed, resulting in workflow inefficiencies for caregivers and staff.^{1,2}



Daily, Fully Automatic, Alert-based Home Monitoring Promotes Operational Efficiency in Guideline Driven Sustained Surveillance²

- Redefine Monitoring**
Your patients deserve the ability to have alerts changed without unnecessary in-person follow-up.
- 90%**
Activate the Adherence Advantage
You and your patients can rest assured Home Monitoring is working with proven 90% patient adherence rates.⁶
- ⌚**
Faster Detection
Daily automatic transmission enables more rapid evaluation of events than intermittent assessment (up to 56 days earlier).⁷

Long-term vs. Standard Care¹



Sustained Surveillance Increases Diagnostic Yield
AFib detection rates with ICM increases the likelihood of identifying critical arrhythmias by orders of magnitude.¹

Efficiency and Flexibility

- Guideline Based**
Alert-based remote monitoring is the new standard of care for patients with cardiovascular implantable electronic devices.⁸
- Procedural Flexibility**
BIOMONITOR III can be performed across a variety of clinical settings, including physician offices. The safety of in-office ICM procedures has been confirmed by multiple studies.^{9,10}
- EHR DataSync**
BIOTRONIK EHR DataSync supports seamless integration of device data with hospital or clinic-based EHR systems.
- Easy to Use**
99% of Home Monitoring patients rate it as "easy to use" and patient satisfaction stands at 98%.¹¹

Implications of Poor Adherence in Sustained Surveillance

- Improper Device Set Up at Home**
~45% of remote transmissions are unsuccessful due to improper setup of patient transmitters.³
- Inconsistent Remote Monitoring**
Inappropriate alert settings may lead to no data transmission which requires time consuming remediation.⁴
- Patient Contact Required to Re-establish Transmissions**
~50% of scheduled remote transmissions are missed owing to patient noncompliance, resulting in more workload contacting patients to troubleshoot connection status.²

Don't allow patient adherence challenges to undermine your sustained surveillance success. Patients between 41 and 80 years old are nearly 30% more likely to be noncompliant with remote monitoring follow-up than patients over 80.⁵

Case Study

Impact of Low Adherence on Clinic Workload

50 calls/month

26 hours a year are spent on trouble shooting data transmissions from patients.*

Home Monitoring is Associated with 90% Adherence rate⁶

10 calls/month

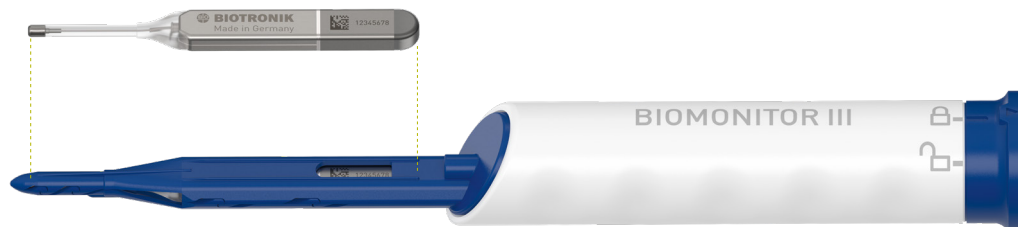
Only ~5 hours per year

With greater adherence to sustained surveillance, the clinic can save up to 75% of the time spent on trouble shooting data transmissions.**

* Assuming a cohort of 100 patients with 50% adherence rate and monthly follow-up. In a study with 434 patients being monitored remotely, the clinic spent 55 minutes/day/21 patients trouble shooting data transmissions²
** Both the In-Time and BIO.MASTER BioMonitor 2 study showed > 90% adherence and transmission success rates^{6,12}

Clinician Inspired Delivery System Streamlines Injection Procedure and Patient Recovery

FIT OneStep
delivery system
preloaded with
BIOMONITOR III



Fast

One-step injection
requires minimal effort
and can be completed in
under one minute.¹³



Easy

BIOMONITOR III implants
require minimal steps to
inject and no tool assembly
before or during the
procedure.



Simple

Preloaded delivery system
comes ready to inject -
in any operative setting
including office-based
procedures.

The BIOMONITOR III Patient App



BIOMONITOR III and Home Monitoring come together for the first time in the all-new BIOTRONIK Patient App. Patients can confirm their monitoring status, record their symptoms and connect with their physicians via the app.

New with BIOMONITOR III

BIOvector including our proprietary flexible antenna design ensures high quality sensing across a wider range of body types and device positioning.¹⁴

References: **1** Sanna T et al. N Engl J Med 2014, 370(26).; **2** Cronin E et al. Heart Rhythm 2012, 9(12).; **3** Crossley G et al. J Am Coll Cardiol 2011, 57(10).; **4** Medtronic. Reveal LINQ Tips and Tricks for Alert Management (2016).; **5** Rosenfeld L et al. Pacing Clin Electrophysiol 2014, 37(7).; **6** Varma N et al. Circulation 2010, 122(4).; **7** de Ruvo et al. Journal of Interventional Cardiac Electrophysiology 2016, 45(1).; **8** Slotwiner D et al. Heart Rhythm 2015, 12(7).; **9** Biolnsight Study (data on file).; **10** Rogers J et al. Heart Rhythm 2017, 14(2).; **11** Ricci R et al. Europace 2010, 12(5).; **12** Piorkowski C et al. Pacing Clin Electrophysiol 2019.;; **13** BIOConcept Study (data on file).; **14** Lacour P et al. Pacing Clin Electrophysiol 2017, 40(5).

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