MCOT
(Mobile Cardiac Outpatient Telemetry)

Superior cardiac data that’s right on time
Accurate diagnosis without delay

Patients with arrhythmias need timely diagnosis and effective treatment. Treatment delays can compromise outcomes, but near–real-time monitoring with urgent and emergent notifications helps you reach an accurate diagnosis quickly.

MCOT, powered by its unique SmartDetectAI algorithm, accelerates delivery of clinically smart cardiac care with high-quality actionable reports that enable you to diagnose and treat arrhythmias quickly and confidently.

MCOT delivers superior detection

- SmartDetectAI algorithm delivers near–real-time arrhythmia detection with rate, rhythm, AF with p wave analysis and QRS morphology
- Proven to detect AF with 100% sensitivity and 100% positive predictivity in the detection of ≥30-second AF episodes¹—no false AF negatives or positives¹
- MCOT’s superior detection and high diagnostic yield expedite patient treatment decisions
- 2 channels of ECG data for a more complete picture
- Clinical evidence from more than 40 studies, abstracts, and articles

SmartDetectAI and the MCOT service ecosystem

What is superior cardiac data? It’s near–real-time detection and urgent/emergent notifications powered by our SmartDetectAI algorithm, so you are notified in minutes, not hours or weeks like with some mobile cardiac telemetry devices. It’s accurate, actionable reports that are reviewed by certified technicians to verify the algorithm’s findings. It’s the only telemetry device proven to detect atrial fibrillation (AF) with no false negatives or positives¹. It’s a monitoring ecosystem that’s hard to beat, because it gives you the data and insights you need to make confident, clinically smart cardiac care decisions. It’s MCOT.

Superior detection and cardiac monitoring insights delivered when you need them

MCOT detects events throughout an extended monitoring period²

- 74% of events detected first 2 weeks
- 26% of events detected after day 14

1. Proven to detect AF with 100% sensitivity and 100% positive predictivity in the detection of ≥30-second AF episodes
2. MCOT detects events throughout an extended monitoring period
Go beyond superior detection with high-quality, actionable reports

Near-real-time notifications of urgent and emergent events—with full disclosure—provide the clinical insights you need to accelerate diagnosis and treatment. Our cardiac technicians* review findings to ensure that you receive the most accurate and actionable reports possible.

*Certified Cardiographic Technicians (CCT) and Certified Rhythm Analysis Technicians (CRAT)

The best of both worlds
The complementary combination of SmartDetectAI and our cardiac technicians is something you won’t find anywhere else. The superior detection and precision of the MCOT SmartDetectAI algorithm provides better data to diagnose with confidence. Every report—including urgent/emergent, daily, and end-of-service reports—is reviewed by our certified techs to ensure that you are getting the highest-quality cardiac data.

Actionable reports provide data and insights to accelerate confident, clinically smart cardiac care delivery.

Superior reports based on superior detection
- Comprehensive clinical report includes arrhythmia summary, AF durations, AF onsets and burden, high/low/average heart rate trends, and PVC/PAC counts and burden
- Daily reports provide clinically significant arrhythmia information summarized on a single page
- Customizable urgent/emergent notification criteria ensure that you receive the information you need when you need it
- Enhanced ECG enables full disclosure of triggered events online

See overview of MCOT report on next page.

Find and treat more arrhythmias—12% of MCOT patients required a surgical procedure³

MCOT end-of-service summary report overview

Monitoring and event summaries include total time and days monitored and start and end dates

Quickly view event and heart rate summaries with breakouts by symptomatic and asymptomatic events and high/low and average rates throughout the monitoring period

One-page comprehensive arrhythmia summary to quickly identify the presence of significant arrhythmias, AF, SVT, Longest Pause, Slowest Heart Block, and VT

AF summary with AF durations, episodes, burden, and high/low/average heart rate trends

Ectopy summary provides PAC and PVC counts and burden

Narrative summary with AF, SVT and VT stats, pauses, and PAC/PVC counts and burden highlights the presence of significant arrhythmias

When the report contains PVC burden, a representative sample strip is included

Actionable report

Superior reports based on superior detection

MCOT

SmartDetectAI

Certified cardiac technicians
Simple and easy for practices and patients

Easy for patients
Patients can exercise, sleep, and even shower* while wearing MCOT. And because every patient is unique, we offer multiple wear options (patch, lead wire, and FLEX) to suit your patients’ needs.

Touchscreen operation, multiple language options, and a built-in patient diary on the monitor add up to a remote cardiac monitoring solution that’s easy to live with—throughout the entire monitoring duration.

MCOT offers multiple wear options to suit patients’ needs

Easy to apply

Easy to wear

Wear up to 30 days†

Patients are well connected 24/7:
• Online and email support
• Shipping and tracking*
• Text reminders*
• Customer service support
• Instructional videos

Simple for your practice
MCOT makes patient enrollment and setup simple for your practice. Telehealth option frees staff time by providing 24/7 patient support, online educational videos and home-delivery within days of prescription order.

MCOT makes cardiac monitoring easier
• Small, lightweight (<1 oz.) and water resistant patch enhances comfort
• Rechargeable sensor and multiple patches enable up to 30 days of wear
• Multiple wear options enable patients to switch to an alternate form factor for continuous monitoring

*MCOT patch is the only wear option that can be worn in the shower.
†Individual patch can be worn for a maximum of 5 days before replacement.

*Program available Q1 2022. Text messaging requires patient opt-in.
Heart care knows no bounds.

At Philips BioTel Heart, we provide you with the tools and technologies to do what you do best—care for your cardiac patients in the place that matters most: Everywhere. Philips in-hospital cardiology solutions and BioTelemetry remote cardiac patient monitoring have joined together to help you deliver a higher standard of cardiac care—by extending near–real-time diagnostics, monitoring, and patient management from your hospital or office to your patient’s home. With Philips BioTel Heart, you have the data and insights to confidently make informed clinical decisions and to provide consistent quality cardiac care across the entire care pathway—no matter where it takes place.

For more information, contact your local Philips BioTel Heart Account Executive or visit www.gobio.com/heart-monitoring.

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With normal wear, each patch should last about 5 days.

References:
1. Based on MIT-BIH (Massachusetts Institute of Technology-Beth Israel Hospital) Arrhythmia Database testing of ≥30-second AF episodes. (FDA 510k submission)

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