



CorAF

Simplest and quickest way to detect Atrial Fibrillation (AF) to prevent strokes - just 1 minute

Method

CorAF is simple to use, does not need any setting and does not depend on any infra-structure or communication channels. Therefore it can be used by anybody at anytime and anywhere.



It only takes holding the device by the handles with both hands for just one minute until the result is revealed.

While holding **CorAF**, indicators will flash at the rhythm of the heart-beat (this feature can be turned off by the physician).



After one minute, **CorAF** will either display a green indicator, which means that no AF was detected, or it will turn red indicating the detection of an episode of AF. (the red indicator can also be turned off by the doctor). **CorAF** will switch itself off automatically.

AF complications

Undiagnosed patients are not treated with anticoagulants and therefore at increased risk for stroke.

The consequence of undiagnosed AF is that these patients do not receive treatment. This leads to an increased risk of ischemic stroke due to thrombi that may develop in the atria and especially in the atrial appendages during episodes of AF

Diagnose AF

Only a small percentage of asymptomatic patients are found.

It is well known that patients with atrial fibrillation frequently have asymptomatic episodes of AF, but its extent has only recently started to become clear. Many patients with asymptomatic AF are undiagnosed and therefore not treated

Methods for detection and monitoring of atrial fibrillation are insufficient.

Due to the paroxysmal nature of atrial fibrillation, surveillance ECGs recorded during GP or cardiologist visits are not sensitive enough to detect AF. Also 24 hr. Holter monitoring is not an ideal diagnostic instrument to confirm AF



The benefits of **CorAF**

CorAF is very easy to use and has no buttons or parameters to be set.

When picking up **CorAF** the device automatically switches on, is ready for use and starts automatically.

During the recording green LEDs show the heartbeats

After only one minute of ECG recording, AF diagnosis is completed and shown to the patient or physician. **CorAF** will turn either red or green LED to indicate AF or non-AF.

After completion, **CorAF** will automatically switch off

CorAF facilitates storage of 140 ECGs and over thousand of measurement results that can be displayed and printed by simply connecting **CorAF** to a computer or laptop using an USB cable.

The cost related to a 24-hour Holter recording, including patient guidance and analysis of the result varies between \$152 and \$168. The **CorAF** can be used for extended monitoring (months) of several patients with minimal cost for patient guidance, external diagnostics and without the need for additional logistics.

References

Patients with palpitations sometimes need multiple 24-hour Holter recordings over several years before the diagnosis of atrial fibrillation is confirmed.

With **CorAF**, patients with atrial fibrillation can be detected much faster.

As a result, patients can be treated effectively earlier, which will lead to a reduction in serious complications, such as a cerebrovascular accident (stroke).

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Accurate automated detection of atrial fibrillation by **CorAF** is unique.

This very user-friendly device will play an indispensable role in the follow-up of patients with known atrial fibrillation and screening for this arrhythmia in high-risk groups.

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