

Telemedicine for Rapid Diagnosis and Management of Symptomatic Arrhythmia

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Background:

Excessive valuable time from symptom onset to diagnosis and management of arrhythmia is wasted when using currently available loop recorders. Cellular communication with the novel Cardio R[®] loop recorder, which uses digital technology to transmit cardiac recordings and symptom descriptions, easily overcomes this problem.

Objective:

To assess the Cardio R[®] device's efficacy in detecting arrhythmias which may account for symptoms.

Methods:

Cardio R[®] recordings are almost immediately diagnosed by the on-duty medical team at 'SHL'-Telemedicine's call center. The users and/or their physicians receive updates or instructions, or a mobile intensive care unit (MICU) is dispatched, depending upon the displayed rhythm, the described symptoms and the referring physician's orders.

*The Original complaint for which the patient was referred.

Conclusions:

The Cardio R[®] device efficiently enabled ECG interpretations to guide interventions for managing cardiac-relevant complaints.