

cardiocity

engine monitoring for the heart

RhythmPad^{Kiosk}



The RhythmPad^{Kiosk} is a simple 30 second hand placement ECG screening device. The subject places their hands on the pads to the side of the kiosk and within 30 seconds their cardiac performance is established.

The RhythmPad^{Kiosk} automatically analyses the cardiac rhythm and details any arrhythmias or abnormalities using its inbuilt software.

More reliable than traditional pulse palpation, the RhythmPad^{Kiosk} has an inbuilt algorithm with high sensitivity and specificity for the detection of common arrhythmias such as Atrial Fibrillation.

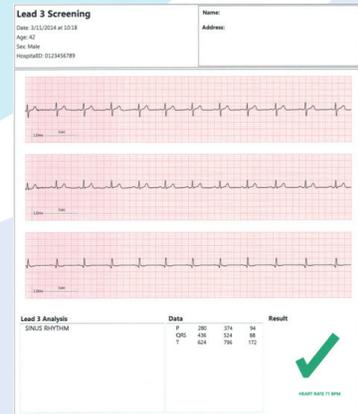
The RhythmPad^{Kiosk} uses novel sensing technology and is supplied as standard with a Velcro attachable third electrode. Patients presenting with a low lead I amplitude ECG may be screened using the third electrode to enable a 6 lead ECG to be obtained. The RhythmPad^{Kiosk} thus provides a higher fidelity of reading than other AF detection devices on the market.

Included within the RhythmPad^{Kiosk} package is Cardiocity's CAR⁷ data system, allowing for the screening data to be placed directly into the Electronic Patient Record, or uploaded to the Cloud for community or practice-wide screening activities

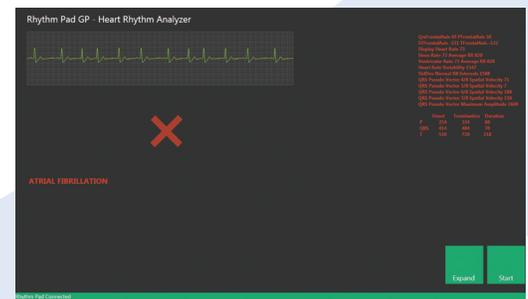
In trials, the system when unattended, was used by 99.6% successfully first time, making it perfect for Surgery Reception, Pharmacy or Community deployment.

Cardiocity utilise a commercial 3rd party algorithm that is certified to BS EN 60601-2-51 and has been widely deployed over the last 30 years. The algorithm provides full 12 lead functionality, adapted for use with the limb leads only.

Cardiocity's CAR⁷ software suite allows for individual applications, such as direct export to Electronic Patient Record, Local System Printer, PDF export, or delivery to the cloud for secondary analysis. Such flexibility allows the Clinician or Practice Manager the ability to decide how to deploy the RhythmPad^{GP} within their environment. Integration into Surgeries "Arrivals" systems makes the RhythmPad^{Kiosk} a multifunctional tool, capable of both "meet and greet" as well as Opportunistic Cardiac Screening. By combining ease of use with high fidelity digital data analysis, the benefits of the RhythmPad^{Kiosk} are clear to see.



DOMINANT RHYTHM STATEMENT	SENSITIVITY	SPECIFICITY	POSITIVE PREDICTIVE VALUE	PREVALENCE
Sinus Rhythm	99.43	98.54	99.31	1746/2570
Sinus Bradycardia	100.00	99.69	97.83	315/2570
Sinus Tachycardia	100.00	99.80	94.25	82/2570
Sinus Arrhythmia	93.14	100.00	100.00	102/2570
Atrial Fibrillation	93.66	99.84	97.08	142/2570
Probable Atrial Fibrillation	100.00	99.92	60.00	3/2570
Atrial Flutter	92.31	100.00	100.00	39/2570
Possible Atrial Flutter	100.00	99.96	97.37	37/2570



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