

Steve MacAleese

Remote Cardiac Monitoring

QARDIO

Welcome to a healthier you







Atrial fibrillation and stroke

1.3M

This exceeds the number of people living in Birmingham

People are diagnosed with AF in the UK This number is increasing



Stroke cost · NHS: £3 bn per year · Loss of productivity: £4 bn per year

In the UK someone suffer from an AF-related stroke

This equals to AF-related strokes / year

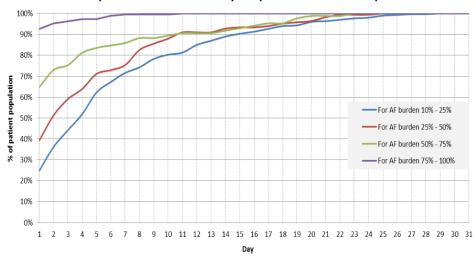
80% of AF patients are asymptomatic





30 days monitoring required for low burden AF patients

Paroxysmal AF - number of days required to detect first episode



Data supplied by Medical Algorithmics (2012) from 6721 recording sessions of up to 31 days duration.

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 30 days' monitoring required for effective AF diagnosis in all but the highest burden AF patients

...BUT...

Mean times to diagnosis are far lower

AF burden 10%-25%: 6.15 days

• AF burden 25%-50%: 4.83 days

• AF burden 50%-75%: 3.48 days

• AF burden 75%-100%: 1.23 days

...SO...

 Telemetry and real-time analysis can achieve the diagnostic yield of 30 day monitoring with a >6x improvement in monitoring time, cost and throughput





Current continuous monitoring options

Up to 14 Days monitoring

More than 14 Days with remote monitoring



Holter 48 Hours £ 1500-£2500



ILR 3 Years £1000 / patient



Wearable patches
14 Days
£200-£300 / patient



PPM Continuous £2000



QARDIOCORE
Unlimited
£450





Revolutionary ECG Monitoring

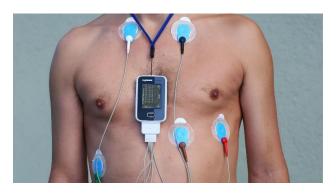


- ✓ Continuous EKG/ECG
- Skin temperature
- Activity tracking
- Heart rate
- Heart rate variability
- Respiratory rate





QardioCore Disruptive technology



Uncomfortable Limited monitoring time (48h) Low diagnostic yield – 30%

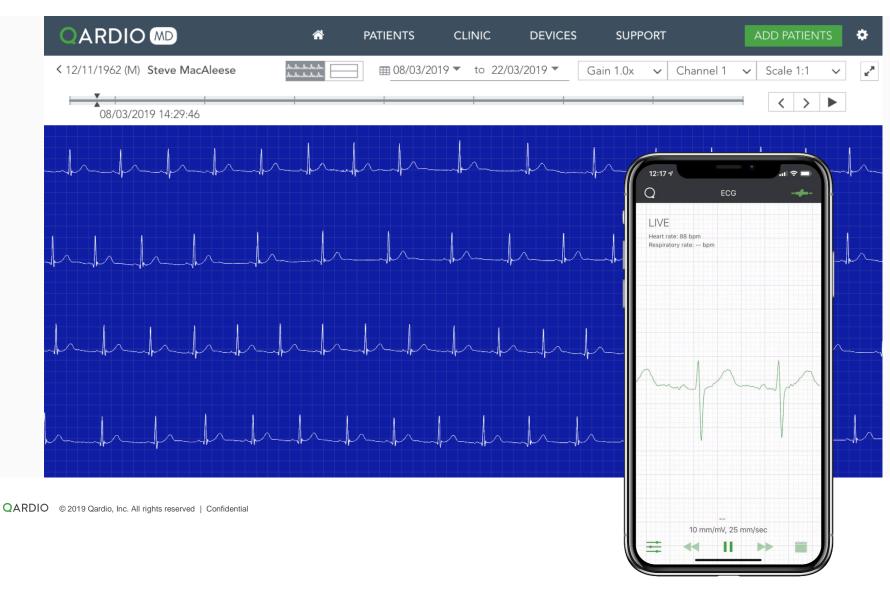


Comfortable
Unlimited monitoring time
Max diagnostic yield – 100%

- Reusable hardware
- Unlimited downloadable reports and in cloud analysis
- Reduce set up time
- ✓ No skin preparation and no consumables











Lead I trace quality equals 12-lead ECG monitor

- QardioCore is clinically validated
- Medically accurate
- Accurately identifies rhythm disorders as a standard 12 lead ECG monitor

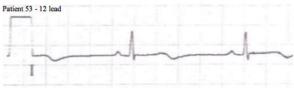
Comparison of accuracy and diagnostic validity of a novel non-invasive electrographic monitoring device with a standard 12-lead ECG recording device.

Craig S. Barr, MD Russells Hall Hospital, NHS Foundation Trust United Kingdom

Side by side comparison of lead I traces

85 participants (median age 65, 67% male, 3% female) wore a 12 lead ECG monitor and QardioCore ECG wireless monitor. ECG traces were compared side by side.





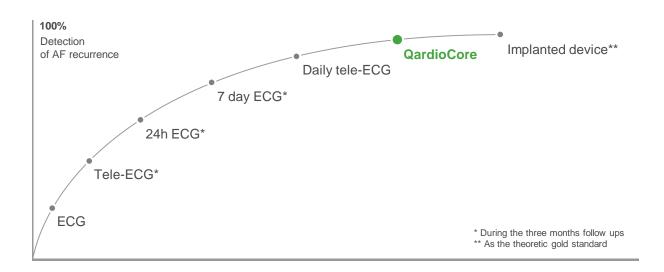
Patient 53 - OardioCore







QardioCore low cost maximum yield



QardioCore highest diagnostic yield of any non-implantable at a 1/3 of the Holter cost

Brignole M, Vardas P, Hoffman E, Huikuri H, Moya A, Ricci R, Sulke N, Wieling W, Auricchio A, Lip GY, Almendral J, Kirchhof P, Aliot E, Gasparini M, Braunschweig F. Botto GL.

Indications for the use of diagnostic implantable and external ECG loop recorders. Europace 2009;11:671-687.





QardioCore AF detection for stroke prevention

- Reduce hardware cost
- ✓ No skin prep or consumables
- Unlimited wear and monitoring time
- Cloud based solution







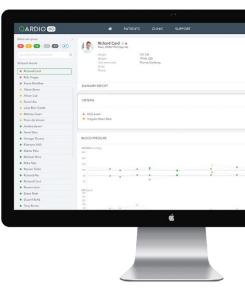


BP and weight remote monitoring also available ...

QARDIO MD

Monitoring Service





Thank you! Any Questions?

Steve MacAleese

