

Project scope: KardiaMobile: Portable electrocardiogram (ECG) recorder for detecting atrial fibrillation

7 March 2022

Research question

SHTG have been asked to adapt the medical technologies guidance recently produced by NICE on KardiaMobile, a portable ECG recorder for detecting atrial fibrillation ([Overview | KardiaMobile for detecting atrial fibrillation | Guidance | NICE](#)). The NICE guidance recommends:

KardiaMobile is recommended as an option for detecting atrial fibrillation (AF) for people with suspected paroxysmal AF, who present with symptoms such as palpitations and are referred for ambulatory electrocardiogram (ECG) monitoring by a clinician.

Inclusion criteria

The NICE guidance was published in January 2022, and so the evidence base used to inform their recommendations will be used. This means that no literature searching will be conducted.

Planned activities

SHTG have agreed on the following activities to support the development of SHTG Recommendations based on an adaptation of the NICE guidance on KardiaMobile:

1. The EUnetHTA Adaptation Toolkit will be used to assess the reliability, relevance and transferability of the NICE guidance to the Scottish context. This will include an assessment of the NICE evidence review. Original studies will only be obtained and reviewed if there is any doubt about the way in which they are reported in the NICE evidence review.
2. A draft adaptation document will be prepared, using the SHTG Adaptation template. This will include a description of the technology; a draft recommendation for NHSScotland; and a section on considerations for NHSScotland.

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3. The draft adaptation document will be sent out to a group of clinical experts for comment. Experts will be asked a list of pre-defined survey questions, and also any other topic-specific questions identified from completing the EUnetHTA Adaptation Toolkit.
4. The draft adaptation document will be redrafted based on the expert comments, and (if required) a second draft will be sent to the topic experts for comment.
5. Changes will be made to the draft adaptation document based on the comments received. If required, a third draft will be sent out to the topic experts for comment.
6. After the survey exercise, a final draft will be prepared and presented to the SHTG Council for their comments and approval.

End products

At the end of the project, SHTG will publish:

- SHTG Recommendations based on an adaptation of NICE Medical Technologies Guidance on KardiaMobile.

Timescales (approximate)

The work will be presented at the SHTG Council meeting in June 2022, and published on the SHTG website in July 2022.

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