Yoga vs Regular Exercise for Atrial Fibrillation: Design of the Yoga-AF Randomized Controlled Trial

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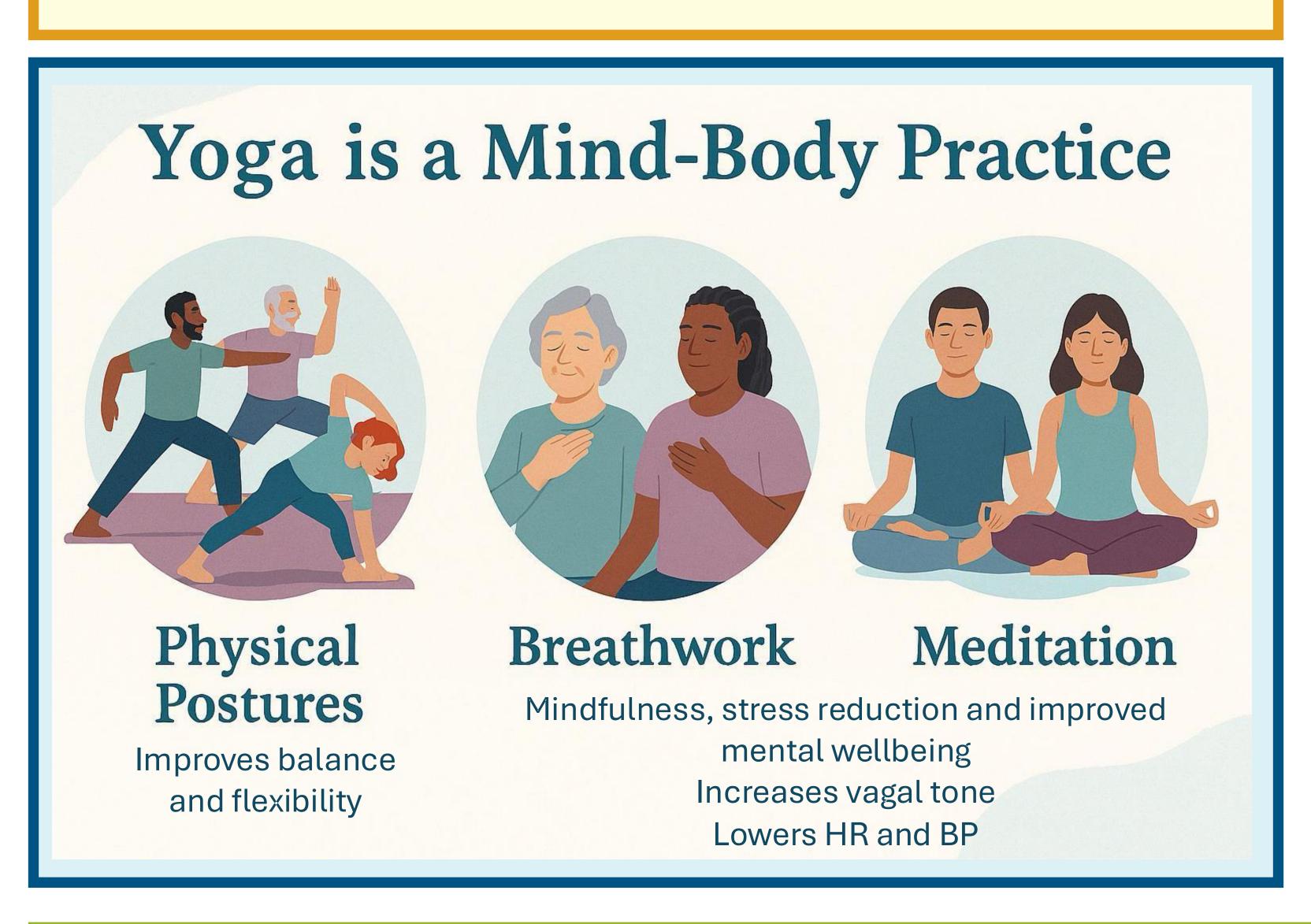
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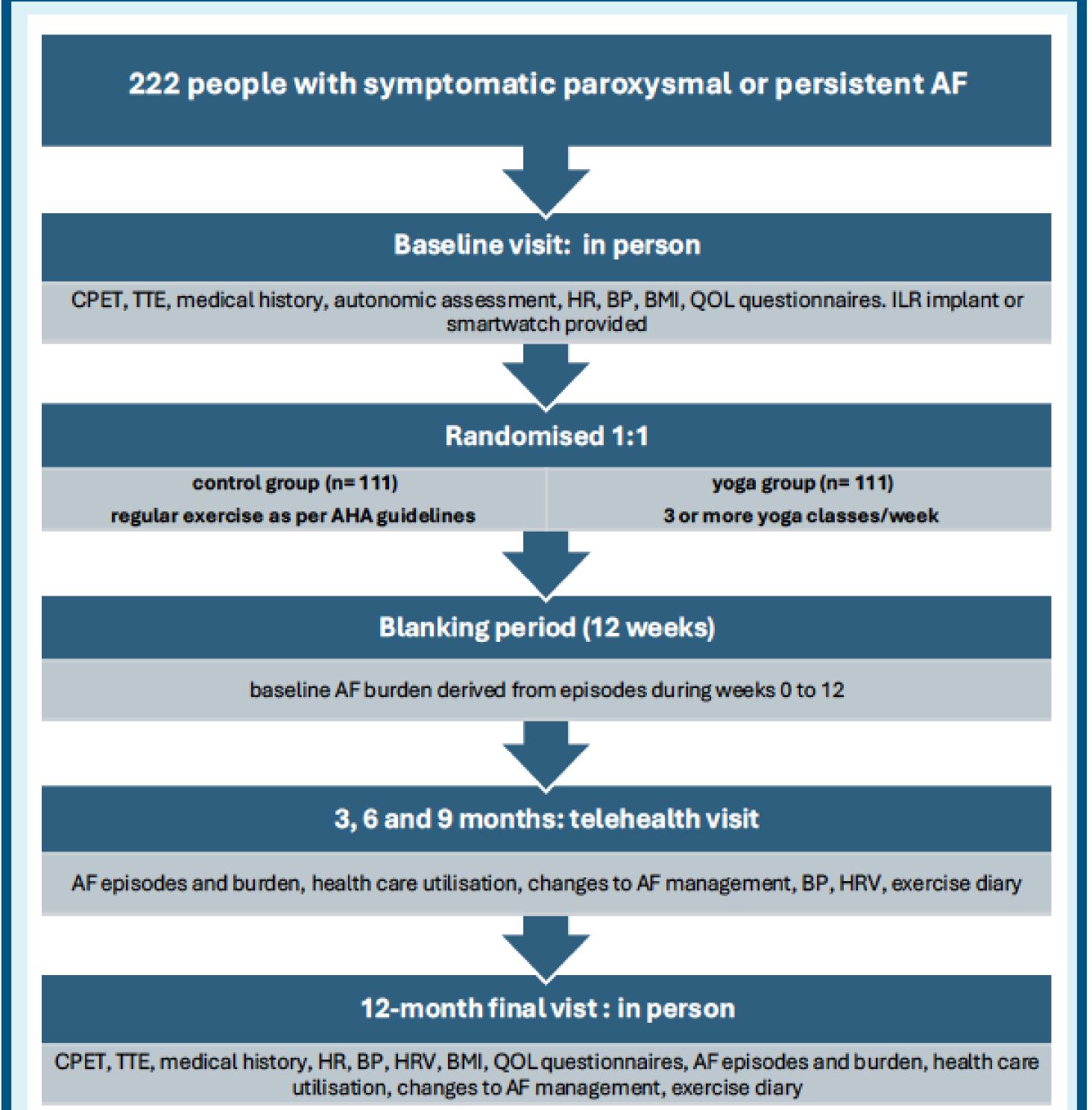
Background

Atrial fibrillation (AF) affects 500,000 Australians, with the incidence predicted to increase 3-fold over the next 25 years. AF is responsible for increase in stroke, heart failure and doubling of mortality, as well as having significant impacts on quality of life. Lifestyle modification is a key pillar of AF management. Yoga has beneficial effects on cardiovascular health and has shown promise as an intervention in AF. However, randomised data are absent.

Aim

To determine the effect of regular yoga on AF episodes and AF burden in people with paroxysmal or persistent AF, undergoing a rhythm control management strategy, over a 12-month period.





Methods

This is a randomised control trial of a yoga program in addition to standard care, compared to standard care alone in people with paroxysmal or persistent AF undergoing a rhythm control management strategy.

222 participants will be randomised 1:1 to the yoga intervention or control. Yoga will be conducted in studio and online with a target of at least 3 classes/week. The control group will be instructed to exercise for at least 150 minutes/week.

Rhythm monitoring will be with implantable loop recorder, or ECG capable smartwatch with AF detection and twice daily ECGs.

Following a 3-month training period, the dual primary endpoints of AF recurrence (time to recurrence, as defined by any sustained atrial tachyarrhythmia lasting > 1 hour) and AF burden will be determined at 12 months.

Conclusion

This study aims to determine the impact of yoga on AF recurrence and burden in people with paroxysmal and persistent AF. Yoga may provide an effective non-invasive, non-pharmacologic lifestyle strategy in the management of AF.

This study is currently recruiting, please contact Dr Rose Crowley <u>r.crowley@Alfred.org.au</u> mob 0400915584 to refer a patient!







