

The benefits of exercise are well established.

Historical exercise recommendations in inherited cardiac conditions (ICCs) adopted a conservative stance. Although the 2020 ESC guidelines<sup>1</sup> on exercise in patients with ICCs are more liberal, issues with exercise prescription remain due to:

- **1. Lack of evidence** guidelines mostly based on consensus recommendations
- 2. Heterogeneity of ICCs restrict guideline applicability.
- **3. Lack of physician education** around exercise prescription.
- **4.** Absence of structured cardiac rehabilitation programmes in ICCs.
- 1. To assess whether health professionals discuss exercise and provide exercise advice.
- 2. To identify if this cohort of patients would benefit from a change in exercise prescription practice.
- 3. To empower and educate health professionals to prescribe exercise.
- 4. To create educational resources for patients.

**Exercise Prescription in Inherited Cardiac Conditions** 

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Audit: Retrospective examination of 100 ICC clinic letters in a tertiary centre (Jan-Mar 2023) Documentation of exercise habits

and advice?

Data presented. Educational session (ES)

Re-audit: Retrospective examination of further 50 ICC clinic letters (Jan 2024) In the initial audit and re-audit respectively, mean age was  $51.5\pm15.4$ y vs  $57\pm16.5$ y, 60% vs 50% male, 70% vs 52% white and the majority had hypertrophic cardiomyopathy (HCM) (52% vs 48%) (**Figure 1**).

Figure 1

The average BMI was  $27.4\pm6.1$  kg/m<sup>2</sup> vs  $28.5\pm5.3$ kg/m<sup>2</sup> (Figure 2).

Figure 2

A large proportion of ICC patients are overweight/obese with risk factors/established CAD. This cohort stands to derive significant benefit.

Documentation of exercise habits and advice improved nearly twofold following the ES.

Further support around exercise prescription is required. In collaboration with MM work has begun to create PA resources for ICC health professionals and patients, starting with HCM.

1. Pelliccia A, Sharma S, Gati et al. 2020 ESC Guidelines on sports cardiology and exercise in patients with cardiovascular disease. Eur Heart J. 2021

Data provided to Director of Moving Medicine (MM) in support of a physical activity (PA) resource for ICC physicians and patients.

MM is an initiative by The Faculty of Sports and Exercise Medicine UK to provide health professionals

coronary artery disease (CAD) and 6% vs 10% demonstrated existing CAD.