## JAA Class 1/2 certification - Hypertrophic cardiomyopathy

## Hypertrophic cardiomyopathy diagnosed

Grounded for

investigation

## NOTES:

- 1) By a cardiologist acceptable to the Aeromedical Section (AMS).
- 2) No personal history of unexplained dizziness or syncope. A family history of early sudden cardiac death needs to be very carefully reviewed (more than one such death shall disqualify).
- 3) Exercise ECG Bruce protocol and symptom limited. Requirements are at least 9 minutes and no significant abnormality, particularly of the blood pressure response to exercise. (See UK CAA exercise ECG protocol).
- 4) 24 Hour ECG No significant rhythm/conduction disturbance. A non-sustained/sustained ventricular rhythm disturbance shall disqualify.
- 5) Echocardiography Ejection fraction equal or more than 50% with no significant abnormality of wall motion. Septal thickness should be less than 2.5 cms.
- 6) The cardiology report will be reviewed by the AMS. It may be necessary to see the investigations, in which case the actual tracings/films/videos will be requested. Further investigations (eg: myocardial perfusion scan/angiography/ electrophysiological studies) may be required. In difficult cases a secondary review panel of cardiologists will be convened.
- 7) Failure to meet the above requirements in full may allow Class 2 certification with a safety pilot limitation.
- 8) Periodic follow-up at AMS discretion, annually initially. Investigation shall include an exercise ECG, 24 hour ECG and an echocardiogram. Further investigations as indicated.

Cardiology review (note 1)
Shall require:

Medical and family history (note 2)

**Exercise ECG (note 3)** 

24 hour ECG (note 4)

**Echocardiogram (note 5)** 

May require:

Myocardial perfusion scan

**Coronary angiogram** 

**Electrophysiological studies** 

Results acceptable to the AMS (note 6)

Class 1 OML (Operational Multi-Crew)

Class 2 unrestricted

Class 2 OSL (Safety pilot - note 7)

Follow-up at AMS discretion (note 8)

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