Class 1/2 certification - Hypertrophic cardiomyopathy

Hypertrophic cardiomyopathy diagnosed

→ **Unfit pending investigation** →

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 (note 6)** ↓

Class 1 OML (Operational Multi-Crew)

Class 2 unrestricted

Class 2 OSL or OPL (note 7)

Follow-up (note 8)

NOTES:

1) By a cardiological specialist

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 to or more than 50% with no significant abnormality of wall motion. Septal thickness should be less than 2.5 cm.

6) The cardiology report will be reviewed by the Authority Medical Section (AMS) for class 1 and by the AME for Class 2. 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) Certification of class 2 applicants who fail to meet the requirements may be possible with a Safety Pilot Limitation (OSL) or Operational Passenger Limitation (OPL).

8) Periodic follow-up, initially annual. Investigation shall include an exercise ECG, 24 hour ECG and an echocardiogram. Further investigations as indicated.

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