European Class 3 certification - Hypertrophic cardiomyopathy

Hypertrophic cardiomyopathy diagnosed

Temporarily unfit

No certificate issue at initial

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 study**

Results acceptable to the AMS (note 6)

Fit European Class 3

Follow-up (note 7)

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 studiy may be required. In difficult cases a secondary review panel of cardiologists will be convened.

7) Initially annual follow up to include an exercise ECG, 24 hour ECG and an echocardiogram. Further follow up and investigations as indicated at AMS discretion.

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