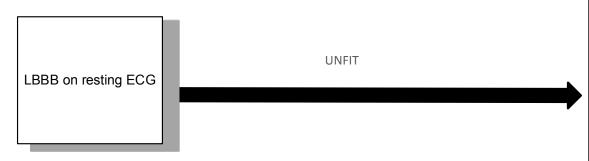
Class 1/2 certification – Left Bundle Branch Block (LBBB)



NOTES:

1) By a cardiological specialist. Shall include:

Exercise ECG – Bruce protocol and symptom limited. Requirements are at least 9 minutes and no significant ECG (apart from LBBB) or blood pressure changes. (See UK CAA exercise ECG protocol).

24 hr ECG - No significant rhythm or conduction disturbance apart from LBBB.

Echocardiogram – Structurally normal heart and normal LV and RV function (ejection fraction ≥50%).

- 2) Coronary artery investigation shall be required in all applicants over the age of 40. A myocardial perfusion scan, stress echo, CT angiogram or cardiac MRI will normally be sufficient. Pharmacological stress should be used to avoid difficulties in the interpretation of septal perfusion.
- 3) EPS studies should be performed if the PR interval is >200 msec, and possibly if the ECG shows an abnormal axis. The HV interval should be less than 100 msec.
- 4) For Class 1 applicants the cardiology report will be reviewed by the CAA. It may be necessary to see the investigations in which case the actual tracings / films / videos will be requested. In difficult cases a review will be undertaken by the CAA.
- 5) Class 1 certification satisfactory investigations will allow Class 1 OML. Annual cardiology review with a minimum of an exercise ECG,. Review at 3 years should also include a 24 hour ECG and echocardiogram. If satisfactory unrestricted class 1 can be issued. Initial Class 1 applicants will need to show a 3 year period of stability, as above, before a class 1 certificate can be issued.
- 6) Class 2 certification Satisfactory investigations will allow unrestricted Class 2. If coronary artery investigation was not done at initial assessment, Class 2 applicants over the age of 40 may need an OSL or ORL limitation.
- 7) Follow-up after the 3 year period: pilots with long standing LBBB will require an echocardiogram every 3 years to reassess left ventricular function. Other investigations or cardiology reviews may occasionally be required, particularly if any changes are noted on the resting ECG.

Cardiology review

Shall require: (note 1)

Exercise ECG
24 hour ECG
Echocardiogram

Over age 40: (note 2)

Investigation of coronary arteries

May require:

Electrophysiological studies (note 3)

Results acceptable (note 4)

Class 1 OML (note 5)

Class 2 unrestricted or OSL/ORL (note 6)



Unrestricted Class 1 / 2 Follow-up (note 7)



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