

AF Association + 44 (0) 1789 867 502 info@afa.org.uk www.afa.org.uk

points

1= 1.3% risk

2=2.2% risk

Haemorrhagic stroke: This happens when one of

the blood vessels in the brain leaks and the raised

**AF-related stroke risk** 

The following scoring system ('CHA2DS2-VASc')

AF-Related stroke. In this system, a score of 1 or

more for men and 2 or more for women suggests

CHA2DS2-VASc scoring system

blood pressure forces blood into the brain tissue (an 'intracranial bleed'). This causes cells to die

because of direct trauma of the blood flow.

can be used to calculate individual risk of

that an anticoagulant should be considered, to reduce their risk of an AF-Related stroke.

risk factor

Hypertension

Diabetes

Age (75 years +)

Congestive heart disease

Stroke or previous TIA

Vascular heart disease

Age (65 – 74 years)

Birth gender female

CHA2DS2-VASc Score

# **AF-Related stroke**

This information factsheet is intended for people with atrial fibrillation (AF) and their carers, and gives a brief outline of strokes and AF-Related strokes, their symptoms, and what to do in an emergency.

# AF and stroke

AF is a type of irregular heart rhythm. It means that your heart may not be pumping as well as it should. As a result, blood clots are more likely to form in your heart, increasing your risk of having an AF-Related stroke.

A person having no other problems apart from suffering from AF (that is, so called 'lone AF') over the age of 65, has a fivefold increase in their risk of suffering from an AF-Related stroke compared with someone without AF. This risk of stroke is present even if the AF comes and goes (so called Paroxysmal Atrial Fibrillation or PAF) or if it is there permanently. The risk is there whether the AF causes symptoms or not.

Patients who suffer from AF but take no anticoagulation medication have a 35% chance of eventually suffering from an AF-Related stroke. Even with appropriate anticoagulation, an individual still runs a small risk of suffering from an AF-Related stroke and it is important to recognise the signs and what you, or someone with you, should do if an AF-Related stroke occurs.

# What is a stroke?

Stroke is where the oxygen supply to an area of the brain has been disrupted. The two main kinds of stroke are:

Ischaemic stroke: This is the commoner form of stroke, and it occurs when the blood supply to the brain is blocked by a clot or a narrowing of the artery. The brain becomes starved of oxygen, so the brain cells suffocate. Anticoagulants are prescribed to safeguard patients against this kind of stroke.



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endorsed by Department of Health

Please remember that this	publication provides general guidelines o	nly. Individuals should alwa	ys discuss their condition
with a healthcare professional. If	you would like further information or wo	uld like to provide feedback	please contact AF Association.



anticoagulation which increase the time it takes

**Preventing an AF-Related Stroke** 

If you have AF, you should discuss your

lower your risk of an AF-Related stroke. Maintaining a healthy lifestyle by eating a

AF-Related stroke risk with your doctor and

ensure preventative measures are in place to

balanced diet, exercising regularly, not smoking,

for blood to clot, thus reducing the risk of AF-Related stroke. Anticoagulants include warfarin and non-vitamin K antagonist oral anticoagulants such as dabigatran, rivaroxaban, apixaban and edoxaban. There are risks associated with anticoagulants such as excessive bleeding if you fall or hurt yourself, but in most people the benefits outweigh the risks.

### Symptoms or signs of a stroke - The FAST test

The symptoms of a stroke can be recognised by using the FAST test, which is the test also used by the paramedics to diagnose a stroke.

FAST is a useful and simple tool you can use to diagnose a stroke:

Facial weakness	

- Can the person smile?
- Has their mouth or eye drooped?
- Arm weakness
  - Can the person raise both arms?
- Speech problems
  - Can the person speak clearly and understand what you say?
- Time to call 999
  - If a person fails any of the tests above, it is time to call for help by calling 999.

Stroke is an emergency. Receiving hospital assistance quickly can limit further damage and can help someone make a full recovery. If not treated appropriately, a stroke can result in permanent disability and even be fatal.

## If the symptoms settle quickly

In a situation where the symptoms of the FAST test seem to disappear quickly and normal body function is returned, this may suggest that a 'mini-stroke' (a 'Transient Ischaemic Attack' or TIA) has occurred. Although immediate help may not be required, the sufferer should attend their GP promptly to be referred to a specialist stroke service. These mini-strokes can be signs that there is a risk of a more major stroke. AF Association +44 (0) 1789 867 502 info@afa.org.uk www.afa.org.uk

#### Outcome

The cause of the stroke will determine the treatment options. Recovery may be complete after a short period of time, but long term recovery and rehabilitation may be necessary depending on the severity of the stroke. It is therefore important if you have AF that you speak to your doctor about reducing your risk of an AF-Related stroke by making lifestyle changes and taking an anticoagulant.

#### STROKE IS A MEDICAL EMERGENCY AND ASSISTANCE SHOULD BE SOUGHT WITHOUT DELAY!

## **Further information**

The Stroke Association is a useful source of information, advice and support for those who have suffered a stroke or are caring for someone affected by a stroke.

Website: www.stroke.org.uk

Please see also the AF Association Preventing AF-Related stroke: anticoagulation booklet.

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