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High blood pressure and stroke

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What is a stroke?

The brain, like all parts of the body, needs oxygen, which it gets from the blood. A stroke happens when blood flow to the brain is cut off. When brain cells are starved of oxygen, they become damaged, and the symptoms that follow are called a stroke.

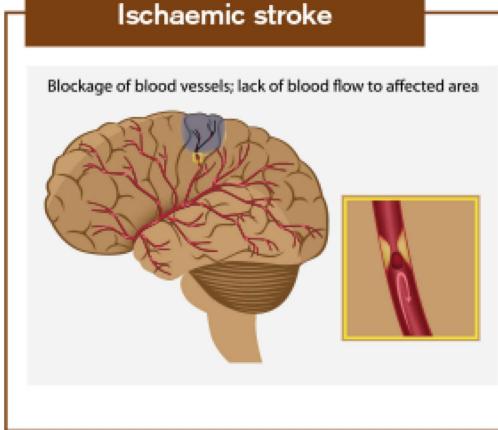
The word stroke comes from the similarity of the condition to receiving a 'strike' or 'blow' as that is how quickly strokes appear-all of a sudden people are struck by this illness.



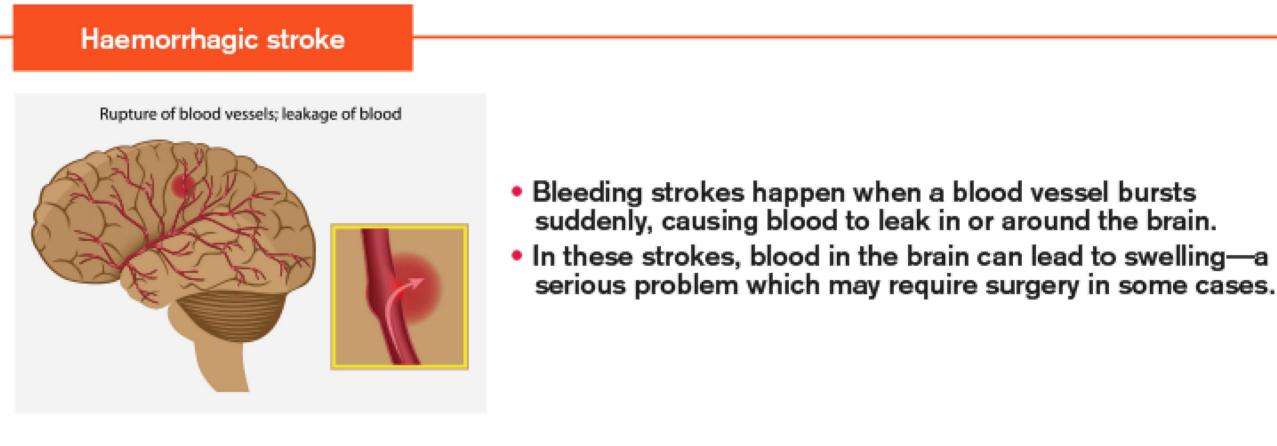
How is high blood pressure related to stroke?

High blood pressure (BP) is the most consistent and powerful predictor of stroke. Since BP levels are so closely associated with the risk for stroke, it also means that you can reduce your risk of suffering from a stroke if you lower your BP.

There are two types of stroke depending on the problem in the blood vessels supplying the brain. An ischaemic stroke is caused by blockage in the blood vessel, whereas a haemorrhagic stroke is due to bleeding in the blood vessels. The majority of strokes are due to blockages.



- Blockage strokes are usually due to the build-up of fatty material in blood vessels called atherosclerosis. This fatty material build-up may lead to a clot which blocks the
- blood supply to the brain, just like in a heart attack. This is why a stroke can be thought of as a 'brain attack'.
- A clot may occur within the brain or it can travel from another
- part of the body, commonly the blood vessels in the neck. Clots can also travel from the heart, which may happen when you have an irregular heartbeat called 'atrial fibrillation'.



High BP damages arteries throughout the body. This results in increased risk for blood flow to the brain to be cut-off or weak arteries that rupture easily.

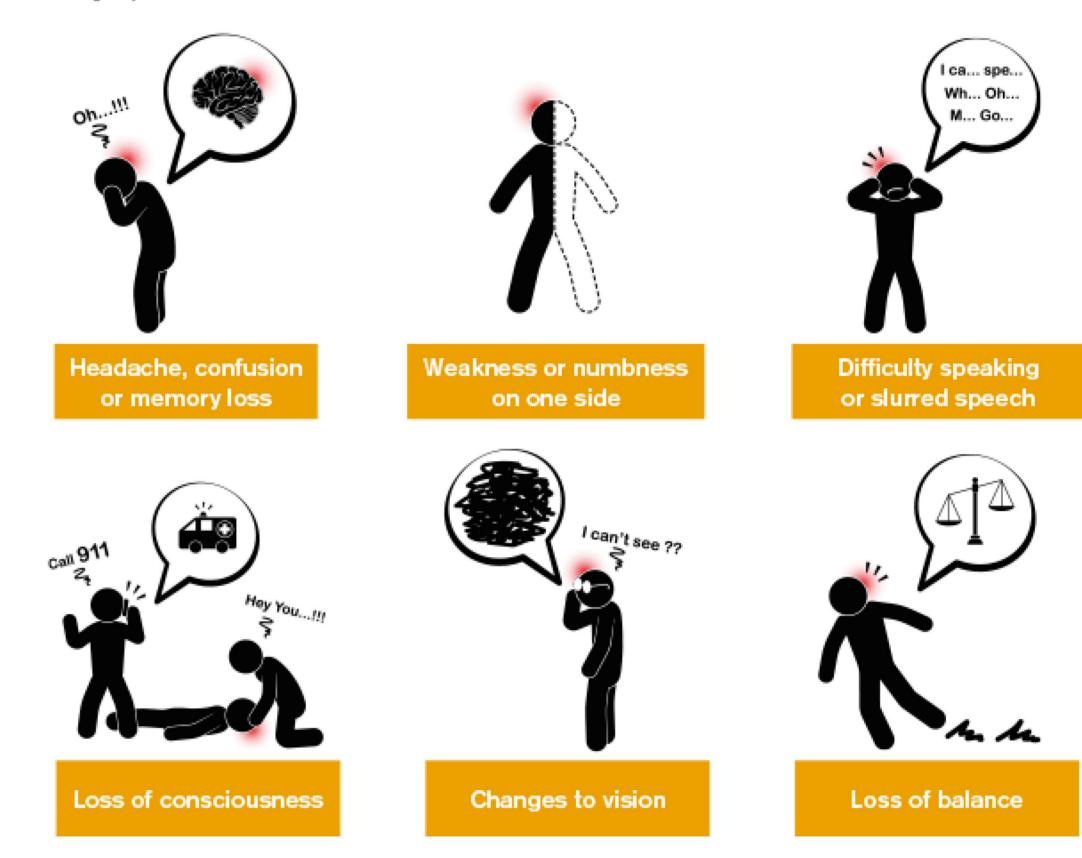
The numbers

- Every year, more than 17 million people worldwide have a stroke.
- Of these, six million die and another five million are left disabled.⁶

Stroke has been recorded as the second leading cause of death in Malaysia.⁷

What are the symptoms of stroke?

As the brain controls the whole body, the symptoms of stroke can be wide-ranging, depending on which parts of the brain are affected. Symptoms include:



How can I spot a stroke?

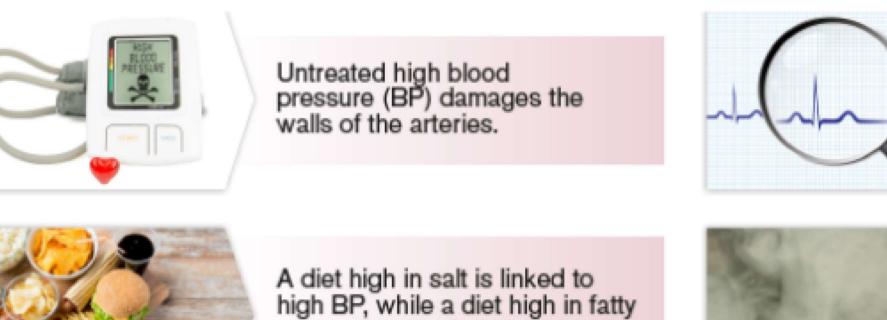
The acronym FAST can be used to help you identify and help someone who is experiencing a stroke.



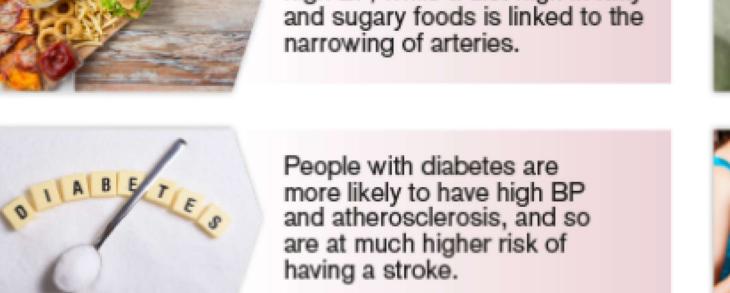
Learn about how you can help a stroke victim here.

Who is at risk of getting a stroke?

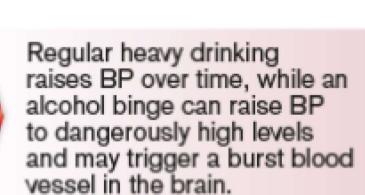
While most strokes occur in people over the age of 65, they can occur in much younger people too. The following are habits or characteristics that may increase a person's risk of getting a stroke:



the risk of blood clots forming in the heart, which may then dislodge and travel to the brain. Smoking is associated with many adverse effects on the





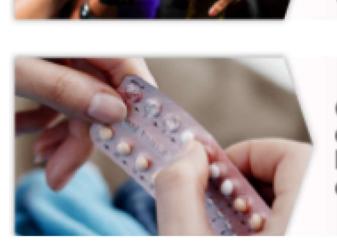


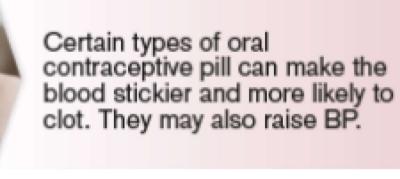
arteries and is linked to

A type of irregular heartbeat called atrial fibrillation increases



Around one in five people who have a first full stroke have had one or more previous 'mini strokes' called transient ischaemic attack.





Lowering high blood pressure

Up to 80% of all strokes are preventable. You should not ignore stroke warning signs even if they disappear after a

Seeking advice from your doctor before

What can I do to prevent a stroke?

few hours. People who experience the FAST symptoms, even if they fade afterward (ie, transient ischaemic attack [TIA]), should rush to the hospitals because TIA can be a warning sign of a full stroke in the future. There are many small steps you can take to reduce your future risk of having a stroke such as:



A sudden stroke (acute ischaemic stroke) can be treated with a thrombolytic agent or "clot buster" to dissolve the clot. This treatment is called thrombolysis.

improve function and gain as much independence.

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Other treatments focus on preventing another stroke by treating risk factors associated with strokes, such as atherosclerosis and high blood pressure (BP). Treatment of high BP is a very important way to prevent a stroke.

Blood thinning medicines such as aspirin may be given to prevent further blood clots. Sometimes surgery may be recommended to repair a burst blood vessel or to remove blockages from larger arteries.

Following treatment of an acute stroke, rehabilitation is often required to help regain any lost function. The National Stroke Association of Malaysia (NASAM) is one of the organizations that provide rehabilitation services to stroke survivors to help them

They offer speech, physical, occupational and recreational therapies according to the needs of the individual. Early rehabilitation is crucial in ensuring fuller and faster

recovery.

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