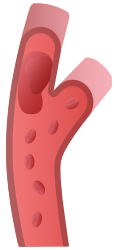


COMPARISON OF ISCHEMIC AND HEMORRHAGIC STROKE



Stroke



Ischemic

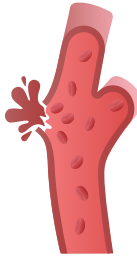
More common, 87% of cases. Vascular occlusion in a brain artery due to a thrombus or embolus, creating sudden loss of blood supply.

LEARNING TIP

Causes are:

- Thrombotic
- Embolic

Hemorrhagic



Less common, 13% of cases. Caused by a ruptured vessel and blood flows into the brain tissue. It can be intracerebral (intraparenchymal) or subarachnoid.

LEARNING TIP

Causes are:

- Arteriovenous malformation
- Hypertension
- Aneurysm

Treatments

Ischemic stroke

- IV medication TPA
- Endovascular procedures
- Carotid endarterectomy
- Angioplasty
- Stents

Hemorrhagic stroke

- Blood transfusions
- Surgical clippings
- Coiling
- Surgical AVM removal
- Stereotactic radiosurgery

Intracerebral (Intraparenchymal):

Bleeding within the brain tissue itself.

Subarachnoid:

Occurs within the arachnoid layers of the meninges.

Changes

	Brain/Left	Brain/Right
Behavior	<ul style="list-style-type: none"> • Anxiety • Depression • Intellectual impairment 	<ul style="list-style-type: none"> • Impulsiveness • Lack of awareness • Euphoria • Poor judgement
Memory	<ul style="list-style-type: none"> • Possible deficit 	<ul style="list-style-type: none"> • Disorientation • Inability to recognize faces
Language	<ul style="list-style-type: none"> • Aphasia • Agraphia • Alexia 	<ul style="list-style-type: none"> • Impaired sense of humor
Vision	<ul style="list-style-type: none"> • Reading problems • R visual field impairment 	<ul style="list-style-type: none"> • Loss of depth perception • L visual field impairment

Risk factors

Hemorrhagic

Age (older), gender (male), hypertension, alcohol intake, presence of arteriovenous malformation (AVM), smoking.

Ischemic

Hypertension, diabetes, smoking, age (older), gender (male), race (African American).

Symptoms

Hemorrhagic

- Sudden severe headache
- Loss of consciousness
- Inability to move/feel
- Confusion/irritability
- Nausea/vomiting/muscle pain
- Sensitivity to light/seizures
- Unequal size pupils
- Drooping eyelid/vision problem

Ischemic

- Blindness/double vision
- Weakness/paralysis
- Dizziness/vertigo
- Loss of coordination/vertigo
- Face drooping one sided
- Arm drifting
- Slurred speech
- Sudden onset

NOTES

