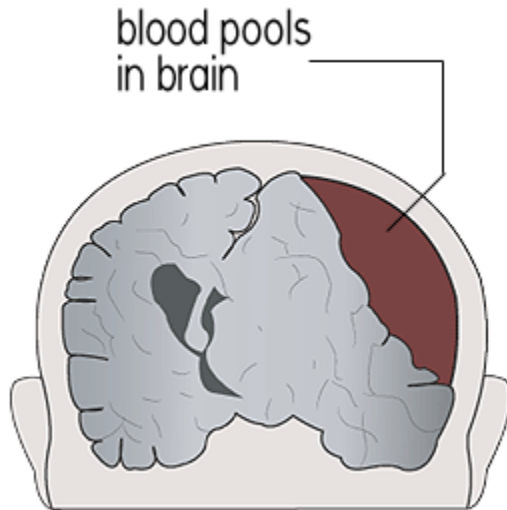


# Blood Flow

The brain receives blood flow with each beat of the heart. Major blood vessels connect the heart and brain. The blood carries vital nutrients, such as oxygen and glucose (special sugar that provides energy), to the brain.



Problems arise in the brain when blood flow becomes disrupted. It can be disrupted by either a "clot" (thrombus or embolus) that stops blood flow or when bleeding (hemorrhage) occurs.

When there is bleeding, blood leaks out of the vessel and never makes it to the part of the brain it supplies. This could be caused from trauma or from other conditions such as aneurysm or stroke.