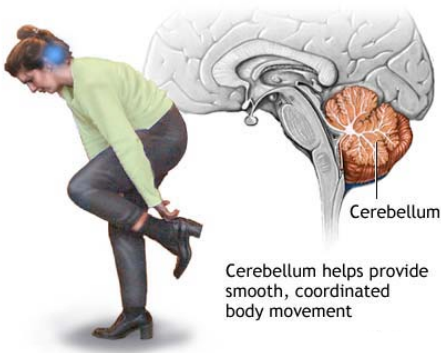


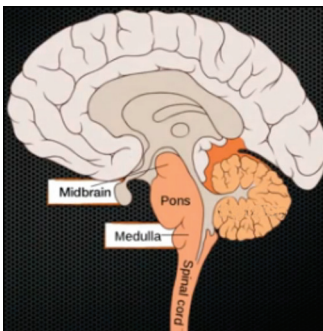
## Cerebellum:

It is responsible about the regulation and coordination of movement, posture, and balance.



## Brain stem:

The brain stem connects the brain with the spinal cord. It consists 3 parts which are pons, medulla & midbrain. Brain stem is responsible for basic vital life functions such as breathing, heartbeat, blood pressure, and body temperature.



**Neurosurgery Department**

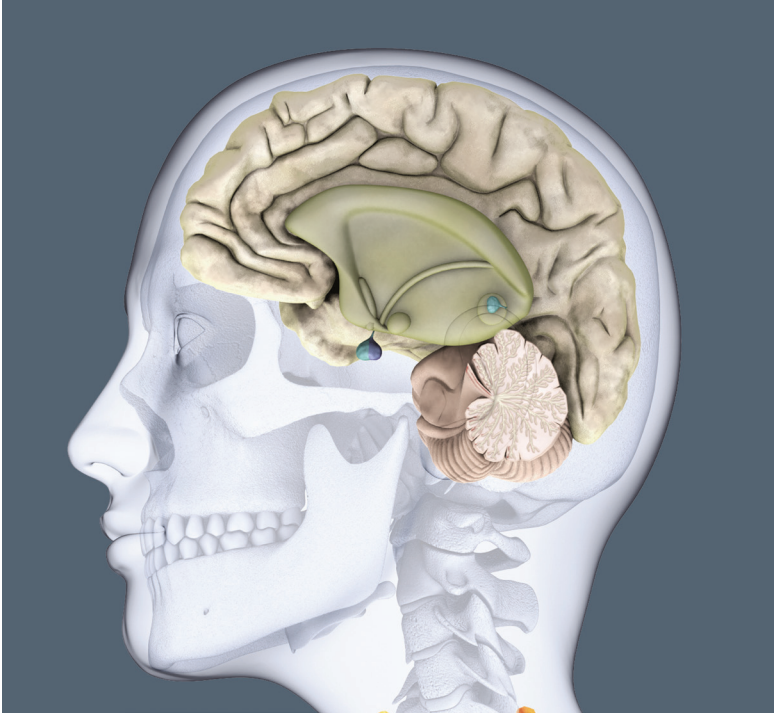
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# What you need to know about your brain



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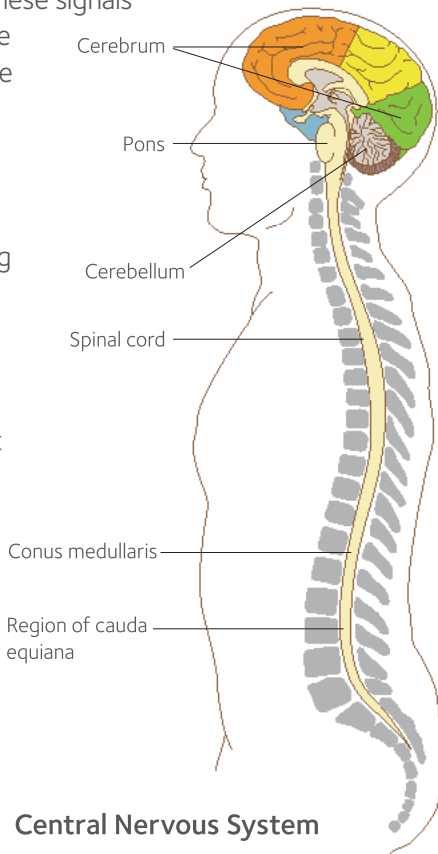
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# What you need to know about your brain

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The brain is an organized structure that is divided into many parts which serve specific and important functions. It controls our feelings, emotions, memories, imaginations, movements, breathing and heart rate, and how we react to different situations. Therefore, it is the most important organ in our bodies. The brain is the main part of the central nervous system. The central nervous system composes the brain and the spinal cord. It produces electrical signals which together with chemical reactions; let the parts of the body communicate. Nerves send these signals throughout the body to receive information, analyze, and store them.

In the following pages you will find basic information that you need to know about your brain.



**Central Nervous System**

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## How does your brain look like?

Your brain is a soft, spongy mass of tissue which is protected by:

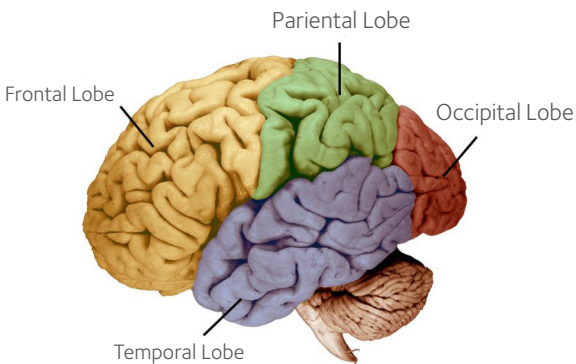
- The bones of the skull
- Three thin layers of tissue calls meninges
- Watery fluid (cerebrospinal fluid) that flows through spaces between the meninges and through spaces within the brain (ventricles)

## What are the major parts of your brain and what are their functions?

There are three major parts of your brain:

### Cerebrum:

It is the largest part of your brain, associated with higher brain function such as thought and action. The cerebral cortex is divided into four sections, called “lobes”. These lobes are: the frontal lobes, parietal lobes, occipital lobes, and temporal lobes. The cerebrum is divided into the left and right cerebral hemispheres. The right hemisphere controls the left side of your body and the left hemisphere controls the right side of your body.



**The Brain Lobes**