

The Brain

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A dark blue diagonal gradient bar that starts from the bottom left and extends towards the top right, covering the lower half of the slide.

What part of the brain controls our emotion?

The brain is a very interesting and mind bending organ. It controls and organizes everything from our movement to our heart rate. The brain also plays a major role in how you control and process emotions. Now we still have a lot of questions about how the brain controls emotion, but we have pinpointed a few main emotions like fear, anger, happiness, and love. “ The limbic system is a group of interconnected structures located deep within the brain. It’s the part of the brain that's responsible for behavioral and emotional responses.” Scientists still can't make a decision on which structures make up the limbic system, but usually the few I am about to list are considered as part of the group.

. **Hypothalamus.** Not only does it control emotional responses it also

regulates body temperature.

. **Hippocampus.** The hippocampus helps make, retain, and retrieve

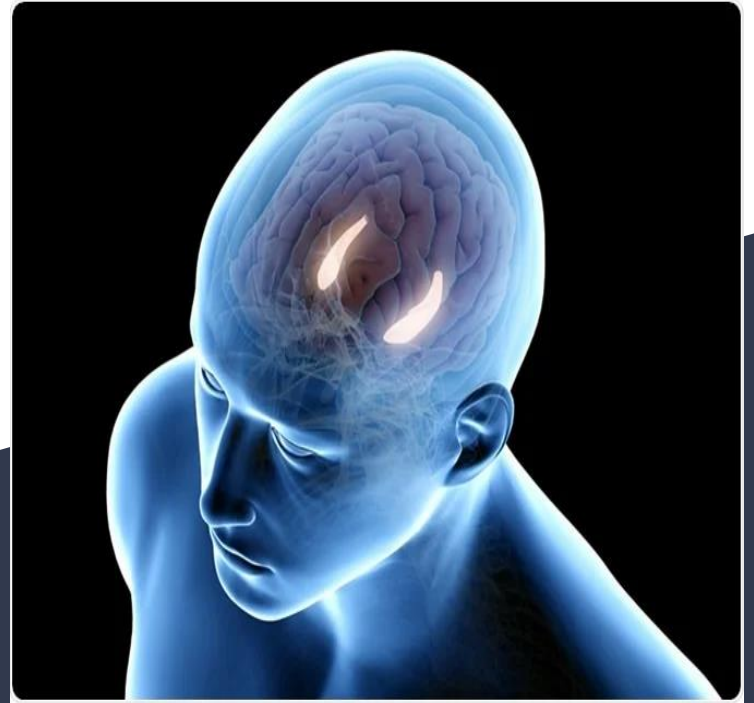
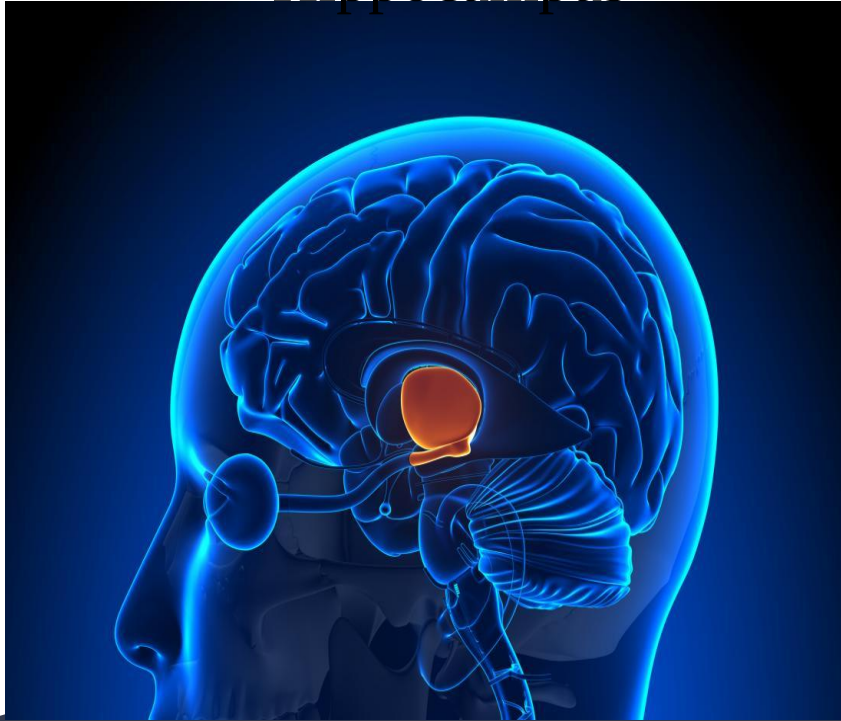
memories. It also plays a role in how you understand things around you.

. **Amygdala.** The amygdala helps you create responses to things around you. This structure plays a magnificent role in fear and anger.

. **Limbic cortex.** This part actually has not only one but two structures the cingulate gyrus and the parahippocampal gyrus. They

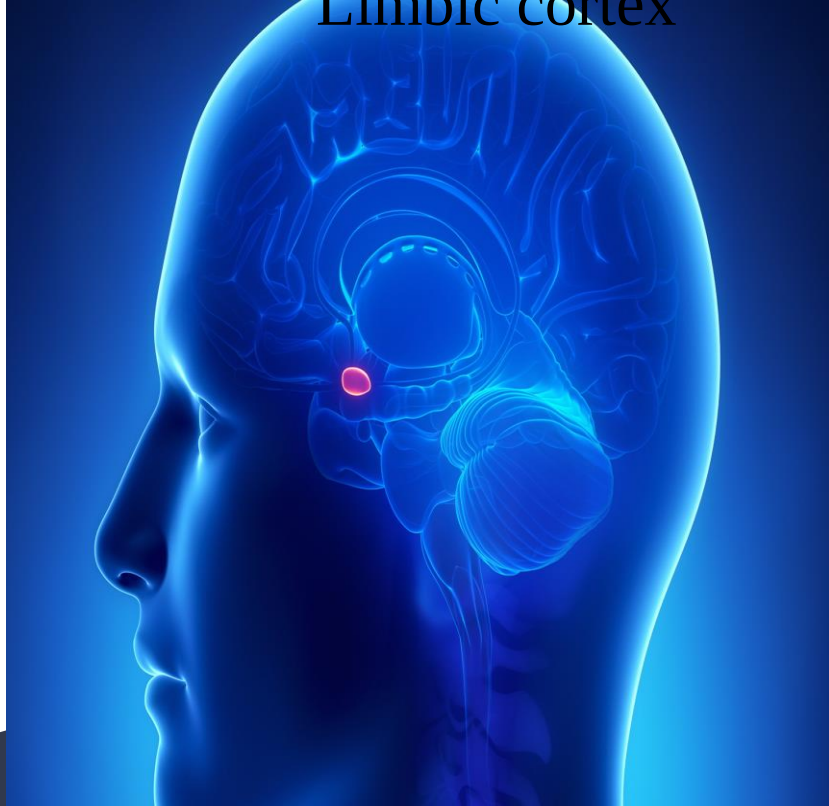
Hypothalamus

Hippocampus



Amygdala

Limbic cortex



What part of your brain controls your breathing?

Many experts say that the **brainstem** controls your breathing. The brainstem is located in very back rear end of the head where the spinal cord meets with the skull. The brainstem controls not only your breathing but other things too which are automatic without our conscious influence. These include: the respiratory process as well as heart rate, and blood pressure. “ We may see it as a bridge of sorts. All the electronic signals of our brain have to pass through the brainstem before being transmitted to the rest of the body. The brainstem has three parts: The Pons, The Midbrain, and The Medulla Oblongata.”

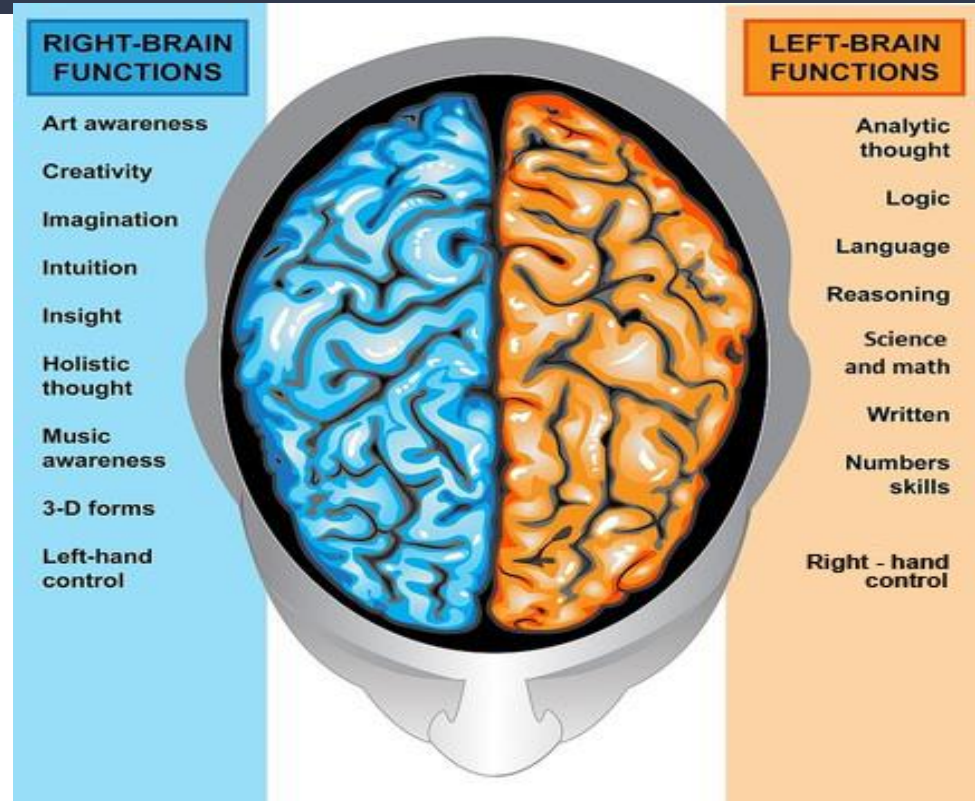
What part of the brain controls our sleep?

People used to believe that deep inside the brain was a “sleep center” (referred to as the hypothalamus). But in the modern times we have proven that to be incorrect, “it is actually a complex combination of different parts of your brain working together to achieve sleeping and walking.” This group involves the hypothalamus, the basal forebrain, and the reticular activating system. Once we found this information the “sleep center” theory was thrown out. The hypothalamus might not be the sleep center, but it is still a fairly large part of the brain that controls our sleep. It’s the part inside of the brain that tells us when to sleep and when to wake up.

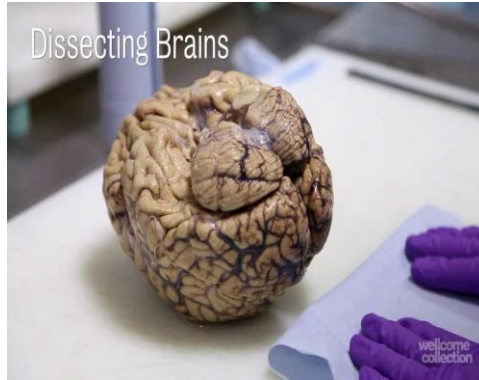
What parts of the brain are responsible for speech?

Recently there has been an abundance of research into language processing. The control of speech is part of a complex and interesting network in the brain. The formation of speech is very complex, from thinking about the words in your sentence to forming a comprehensible sentence, and then actually making your mouth move to make correct sounds and say your sentence. I will list the main part that controls speech in the next slide.

The brain has many parts that control speech but it is primarily controlled by the largest part of the brain, the cerebrum. The cerebrum is divided into two hemispheres and they are joined by a group of nerve fibers called the corpus callosum, but your speech is typically governed by the left side of your cerebrum.



The End!



The brain is very complex and interesting organ, I hope that you learned something new about yourself and how your brain functions in everyday life. Thank you for listening bye!