



Brain Tumors- Symptoms, Treatments & Prevention



The **brain** is the powerhouse of our body composed of nerve cells and tissues such as glial cells. Our brain consists of three major parts; the first is brain stem that controls breathing activity. The second one is the cerebellum that controls activities like moving of muscles to walk, and the third one is cerebrum that controls senses like sight and memory, emotions, thinking & personality stuff.

Cancer that grows in any other part of the body reaches the brain and causes damage to the nervous system. The brain tumor begins in the brain tissues, it's a different thing that it is a cancerous brain tumor or non-cancerous. Sometimes the starting of a brain tumor can begin elsewhere in a body part and it spreads cancer cells that reach the brain and start growing by damaging the nervous system. It can occur in any stage of life, there is no specific age group system. Doctors and researchers don't know the exact cause of brain tumor till now. It can come up either when you have a family history of brain tumors or exposure to ionizing radiation.

What is a Brain Tumor?

When there is a growth of abnormal cells inside the brain, that person is going through a brain tumor. [Brain tumor](#) doesn't mean cancer every single time, if a person is suffering from the

brain tumor then that means it can be cancerous or also can be non-cancerous. The cancerous brain tumor is called malignant and the non-cancerous one is known as benign. Cancer in any other part of the body can reach your brain and cause a brain tumor.

A brain tumor can grow quickly as well as slowly as its increment varies. The growth rate can be determined by analyzing & examining the location of the brain tumor and how it affects the nervous system. Also, the treatment depends on the size & location of the brain tumor.

Brain Tumor are Classified in Grade

Grade 1 Brain Tumor grows slowly and very rarely spread and cause harm to any other nearby tissues.

Grade 2 brain tumor grows slowly but faster than grade 1, unlikely to spread and can easily cure by [brain tumor surgery](#).

Grade 3 brain tumor grows quickly and spread in the nearby tissues easily, and the tumor cells in grade 3 situation look different from normal ones.

Grade 4 brain tumor is the most severe as it spreads very quickly.

Brain Tumor Symptoms & Signs

Signs & Symptoms of Brain Tumor have a long list as it varies and depends how big the tumor is and where did it lies in the brain. Here you can read the signs and symptoms caused by the brain tumors.

- Headaches with changing patterns
- Headaches that begin with mild pain and become severe
- Nausea or Vomiting
- Problem in Eyesight or Blurred Vision
- Numbness in an arm or in a Leg
- Change in personality or ability to focus
- Memory problem
- Jerk or twitch in muscles
- Gradual loss of sensation
- Getting confused every time in everyday matters
- Seizures

What is the Cause of Brain Tumors?

The exact cause of the brain tumor is unknown until now. According to the doctors and researchers, the brain tumor has factors that are highly risky that include a high dosage of ionizing radiation or it can become through if you have a family history of brain tumor.

There are lot more common factors; most of us have well knowledge about these factors:

- Increased age
- Smoking
- Exposure to pesticides & fertilizers
- Working with the things that can cause brain cancer such as led, petroleum, plastic, etc.
- having an Epstein-Barr virus infection

Types of Brain tumors

Cancers are named after the body part in which it infects or from the body part it begins. Brain tumor begins in your brain nervous system so that it refers to the primary **brain cancer**. It is possible that a person can have brain cancer that begins in any other body part and after some time, it reaches the brain. It is commonly called metastatic brain cancer.

The types of brain tumors are named on the basis of grades. Cancer type is based on the location of the tumor in the brain. The grades show how quickly a tumor gets spread and they are ranged from 1 to 4. The grade 4 brain tumor has severe growth and spreads very faster.

Many doctors use different names for the same type of cancer as there are no standard names according to the type of cancer. Basically, according to the information we have, there are around 120 types of brain tumors.

Procedure to diagnosed brain tumor

If you have **symptoms of brain tumor** and visited to a doctor, he will instruct you to perform one of these tests to diagnose.

- Neurological examination to check that the tumor is affecting your brain on not.
- To find out the location of the tumor CT scan, MRI, and positron emission tomography (PET) scans are used.
- To check for cancer cells, they will take the small sample of fluid that surrounds the brain and spinal cord. This procedure is called a lumbar puncture.

- Brain biopsy may be suggested by a neurologist or neurosurgeon, in it a small amount of the tumor will be removed for further testing to determine if your tumor is malignant.

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