

Insomnia, a possible cause of Glioblastoma Multiforme (GBM); traditional medicine Kava Kava, a potential treatment for GBM

Ajay Samuel

Barts Cancer Institute-Queen Mary University of London, UK

Barts
Cancer Institute

Abstract

In future and current aspects, more psychologically stressed people emerge from psychological disorder (insomnia) because of technological development and its addiction towards it. Cancer is the most aggressive disease which changes the biochemical reactions in the entire system and leads to mortality. Glioblastoma Multiforme (GBM) is the most lethal among all the brain tumors. Among 23,800 adults diagnosed for primary cancerous tumors of brain and spinal cord in 2017, 85-90% were accounted for brain tumor in USA and in 2500 children every year in India. This cancer is generally caused by multiple genes, multiple mutations and patients who were diagnosed for cancer develop psychological stress that leads to metastasis and cause secondary tumor. It is hypothesized that the chronic psychological stress induced by insomnia, which is caused by *MEIS1* gene up-regulation, is responsible for GBM through manipulation of regulatory hormones and multiple onco-gene mutation. The traditional medicine *Kava Kava* may be used for treatment of GBM by counteracting the effects of stress.

Biography:

Ajay Samuel is currently pursuing Masters in Cancer Molecular and Cellular Biology at Barts Cancer Institute, Queen Mary University of London, UK. He has strong passion in cancer research, specifically glioblastoma multiforme genetics.

[6th International Conference on Neuro-Oncology and Brain Tumor](#), Webinar- June 22-23, 2020.

Abstract Citation:

Ajay Samuel, Insomnia, a possible cause of Glioblastoma Multiforme (GBM); traditional medicine Kava Kava, a potential treatment for GBM, Neuro Oncology 2020, 6th International Conference on Neuro Oncology and Brain Tumor; Webinar- June22-23, 2020

<https://neurooncology.conferenceseries.com/abstract/2020/insomnia-a-possible-cause-of-glioblastoma-multiforme-gbm-traditional-medicine-kava-kava-a-potential-treatment-for-gbm>