

HEAD TRAUMA AND EPILEPSY AS MEDICAL RISK FACTORS IN THE DEVELOPMENT OF BRAIN TUMORS IN ALBANIA

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Introduction Several diseases and medical treatments are discussed as risk factors for the development of brain tumors, including infections, allergy, alterations of immune system, cranial trauma, hormonal factors, epilepsy, cancer family history... etc. We discuss here the role of head trauma and epilepsy as medical risk factor in development of brain tumor

Results A total 1883 patients with brain tumors are registered from 1993 -2013, 977 (49%) of them were interviewed to review the analysis of risk factors, during the period December 2010-December 2013. We found in our study a correlation between head trauma and brain tumor (meningeoma) around 1%, not a correlation between glioma and traumatic brain injury (TBI) in male, and no correlation between meningeoma, glioma and TBI in female. The role of epilepsy in development of brain tumors in our study is unclear, this for the stigma that exist in our country on epilepsy, only 0.87 % of patients diagnosed with brain tumors referred to suffer from epilepsy from 10-15 years.

Conclusion The role of medical factors in development of brain tumors is important. The role of head trauma is more evident in male than female in our study and is unclear the role of epilepsy.