

**Abstract**

**Original Article**

**Examining the Effect of Education Given by Roy Adaptation Model in Patients With Primary Brain Tumors on Symptoms and Coping with Stress**

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**Background:** Primary Brain Tumor is a disease which ransacks the lives of both patient and family by leading to physical, psychological, social and moral problems, is difficult to treat and causes disabilities and even death.

**Objective:** The purpose of the research was to examine the effect of education given by Roy Adaptation Model in the patients with primary brain tumors on severity of symptoms, the situation of interference individual's life of symptoms and coping with stress.

**Methodology:** The conceptual framework of the research is formed by Roy Adaptation Model. In the research; quasi-experimental research design was used. In the research, as well as an approval from the ethical committee, a written permission was obtained from the institution, patients and the owner of scale. The sample of the research was constituted by 95 patients that means 45 intervention and 50 control. The data was evaluated with statistical methods.

**Results:** In the research; statistically a significant level of difference is determined in intervention group compared to control group in terms some dimensions of symptom/symptom's situation of interference individual's life and sub-dimensions of social support in terms of coping with stress ( $p < 0.050$ ).

**Conclusions:** It is observed that the education given in accordance with Roy Adaptation Model is effective on some dimensions of patients symptom's and symptom's situation of interference individual's life and sub-dimensions of social support in terms of coping with stress.

**Key Words:** Brain Tumors, Roy Adaptation Model, Symptoms, Coping Behavior, Nursing Education.