

THE STUDY OF COGNITIVE IMPAIRMENT AND NEUROPSYCHIATRIC SYMPTOMS IN BRAIN TUMOR PATIENTS AT SIRIRAJ HOSPITAL

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ABSTRACT

This research's objective was to study the prevalence and the individual variables that relate to cognitive impairment and neuropsychiatric symptoms of brain tumor patients before undergoing surgery. The research methodology involved data collection from a sample of 38 inpatients of the Department of Surgery, Siriraj Hospital. The tools included a general questionnaire, the Glasgow Coma Scale, the MMSE-Thai 2002, the Montreal Cognitive Assessment - Thai Version (MoCA Thai version), and the Neuropsychiatric Inventory (NPI).

From the evaluation, it was found that 78.95% of the patients had cognitive impairment and only 6 patients (15.8%) had neuropsychiatric symptoms. The analysis of the relationship of individual's variables that influence cognitive impairment and neuropsychiatric symptoms found that gender was related to cognitive impairment and neuropsychiatric symptoms. Age and education level were both related to cognitive impairment.

KEY WORDS: BRAIN TUMOR / COGNITIVE IMPAIRMENT /
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