Prognostic Value in Meningioma Patients': A Clinical-Histopathological Study

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Abstract : Meningioma is adult brain tumors originating from the meninges covering the brain and spinal cord. The females have approximately twice higher 2:1 than male in the incidence of meningioma. This study aimed to analyze the histopathological grading and clinical aspect in predicting the prognosis of meningioma patients. An observational study with cross sectional design was used on 53 meningioma patients treated at Dr. Wahidin Sudirohusodo hospital in 2016. The data then were analyzed using SPSS 20.0. Of 53 patients, mostly 41 (77,4%) were female and 12 (22,6%) were male. The distribution of histopathology patients showed the meningothelial meningioma of 18 (43,9%) as the most type found. Fibroplastic meningioma were 8 (19,5%), while atypical meningioma and psammomatous meningioma were 6 (14,6%) each. The rest were malignant meningioma and angiomatous meningioma which found in respectively 2 (4,9%) and 1 (2,4%). Our result found significant finding that mostly male were fibroblastic meningioma (50%), however meningothelial meningioma were found in the majority of female (54,8%) and also seizure comprised only in higher grade meningioma. On the outcome of meningioma patient treated operatively, histopathological grade remained insignificant (p > 0,05). This study can be used as prognostic value of meningioma patients based on gender, histopathological grade, and clinical manifestation. Overall, the outcome of the meningioma's patients is good and promising as long as it is well managed.
Keywords : meningioma, prognostic value, histopathological grading, clinical manifestation
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