

Histopathologic Profile Grading of Haematoxylene Eosin on Retinoblastoma Stadium

Abstrak :

The purpose of this study was to investigate the morphological features of retinoblastoma with histopathologic aggressiveness on retinoblastoma patients. Retrospective reviewed and analyzed was done according Spearman correlation method. Fifteen retinoblastoma patients surgical eye specimens were collected and examined at pathology laboratory of Dr. Soetomo Hospital between January 1st, to December 31st, 2010. The patients age average was 47.73 months \pm 28.23 months, consist of 60% (9) male and 40% (6) female patients with 93.3% (14) unilateral and 6.7% (1) bilateral. The clinical phenomenas are leucokoria 100% (15), proptosis and chemosis 86.7% (13), optic nerve invasion 50% (6), muscles extraocular invasion 20% (3). exenteration 13 (86.7%), and enucleation 2 (13.3%). The histopathological features indicated that Rosette cells has been more observed on Flexner-Wintersteiner Rosette 73.3% (11), along with pleomorphic cell 60% (9), necrotic cell 33.3% (5) as well as mitotic cells 60% (9). The tumors usually are poor differentiated 8 (53.3%). Retinoblastoma International Staging was not significantly in association to the tumor differentiation/histopatologicalgrading ($r_s = -0.170$, $p = 0.545$). However, this study realized that a correlation between the differentiation of retinoblastoma tumor cells with histopathological grading namely in term of the pleumorphic, necrotic and mitotic cell population ($\alpha; < 0.05$).

Keyword :

Daftar Pustaka :

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