

Perbedaan indeks proliferasi sel kista dentigerous, kista dentigerous yang timbul bersamaan dengan ameloblastoma pleksiform dan ameloblastoma pleksiform dengan menggunakan pewarnaan agnor

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Abstrak

The purpose of the study to seek the differences of cell proliferation index among dentigerous cyst, dentigerous with ameloblastoma and ameloblastoma plexiform. This study utilized retrospective methode, which was achieved by collecting data from medical record in oral surgery clinic. Cipto Mangunkusumo Hospital and Pathology Anatomy Laboratory at Faculty of Medicine University of Indonesia from January 1998 to April 2002. Histological examination were prepared from 34 samples; consist of 15 dentigerous cysts, 11 ameloblastoma and 8 dentigerous cyst which arise with ameloblasroma. In each case, intra-nuclear AgNOR dots were counted in 100 consecutive basal nuclei. Statistic analysis using ANOVA show the difference among study objects ($p < 0.05$). AgNOR an ameloblastoma is significantly higer than in dentigerous cyst. The differences may indicate the variation of metabolic, proliferation of transcriptional activities of the cell. The study found the difference of AgNOR count in cell proliferation index among dentigerous cyst, dentigerous cyst which arise with ameloblastoma and ameloblastoma. The finding can be used to determine the diagnoses in doubtfull cases where dentigerous and ameloblastoma cannot be distinguished clinically and pathologically.