

Perbedaan ekspresi heparanase pada ameloblastoma tipe campuran, pleksiform, dan folikular : Penelitian pada pasien RSCM periode 2009-2014 = Differentiation of heparanase expression in ameloblastoma based on histopathological types : Study on ameloblastoma patients in RSCM 2009-2014

Rusli, author

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Abstrak

Latar Belakang: Ameloblastoma merupakan tumor odontogenik yang paling sering ditemukan pada tulang rahang. Berdasarkan histopatologisnya, ameloblastoma dapat dikelompokkan menjadi 6 tipe, yaitu tipe folikular, pleksiformis, akantomatosa, desmoplastik, granular, dan basal. Heparanase pada ameloblastoma meningkat pada level mRNA maupun pada protein, sehingga dapat menjadi salah satu faktor penting dalam menentukan sifat invasif lokal ameloblastoma. Hasil penelitian menyatakan heparanase memiliki peran dalam invasi tumor, angiogenesis, dan osteoklastogenesis.

Tujuan: Untuk membandingkan ekspresi heparanase diantara berbagai tipe histopatologi ameloblastoma di RSCM.

Metode penelitian: 34 blok parafin ameloblastoma didapatkan secara consecutive sampling. Seluruh sampel dipulas imunohisto kimia menggunakan antibodi Heparanase.

Hasil: Semua sampel mempunyai sel-sel yang imunopositif dengan presentase yang beragam, namun tidak berbeda bermakna secara statistik baik di sitoplasma ($p=0,501$) maupun di inti sel ($p=0,247$)

Kesimpulan: tidak terdapat perbedaan ekspresi heparanase diantara tipe histopatologi ameloblastoma di RSCM.

.....Background: Ameloblastoma is a common benign odontogenic tumor of the jaw. Ameloblastoma can be divided into six histopathological types, follicular, plexiform, acanthomatous, desmoplastic, granular, and basal cell. Heparanase in ameloblastoma increasing both at mRNA and protein level. Recent studies have found that heparanase is expressed by ameloblastoma and has a role in ameloblastoma local invasiveness, angiogenesis, and osteoklastogenesis.

Objective: To compare heparanase expression between different histopathological types of ameloblastoma at RSCM.

Material and method: 34 paraffin blocks were collected through consecutive sampling and the heparanase expression were detected using immunohistochemistry.

Result: All samples showed immunopositive cells with vary intensity, however there is no significantly different of heparanase expression both in sitoplasma ($p=0,501$) and nuclear ($p=0,247$)

Conclusion: There is no different of heparanase expression between histopatological types of ameloblastoma at RSCM.