

Perbandingan ekspresi tissue inhibitor of metalloproteinase-2 (TIMP 2) pada ameloblastoma pleksiform dan folikuler secara imunohistokimia : (penelitian pada pasien ameloblastoma di Rumah Sakit Cipto Mangunkusumo periode Januari 2011-Agustus 2014) = Comparison of expression of tissue inhibitor of metalloproteinase-2 (TIMP 2) immunohistochemically in plexiform and follicular ameloblastoma (Research of ameloblastoma's patient in Rumah Sakit Cipto Mangunkusumo on January 2011-August 2014)

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Abstrak

Latar Belakang: Ekspresi TIMP-2 (Tissue Inhibitor of Metalloproteinase-2) secara imunohistokimia digunakan untuk menentukan sifat invasif lokal ameloblastoma yang berkaitan dengan kemampuan rekurensi.

Tujuan: Mengevaluasi ekspresi TIMP-2 secara imunohistokimia pada ameloblastoma pleksiform dan folikuler.

Metode: Dilakukan pemeriksaan imunohistokimia pada sampel ameloblastoma pleksiform (n=16) dan folikuler (n=14) dengan antibodi monoklonal TIMP-2. Ekspresi imunohistokimia TIMP-2 dinilai dengan software Image J.

Hasil: Tidak terdapat perbedaan bermakna ekspresi TIMP-2 pada ameloblastoma pleksiform dan folikuler pada uji Chi-Square dengan nilai signifikan $p=0.072$ ($p>0.05$).

Pembahasan: Ekspresi TIMP-2 yang lemah berkaitan dengan meningkatnya kemampuan invasif lokal ameloblastoma.

Kesimpulan: Ameloblastoma pleksiform dan folikuler sama-sama memiliki kemampuan invasif lokal yang sama.

.....Background: Expression of TIMP-2 (Tissue Inhibitor of Metalloproteinase-2) immunohistochemically was used to evaluate local invasive characteristic of ameloblastomas which contributed to recurrence.

Objective: To evaluate expression of TIMP-2 in plexiform and follicular ameloblastoma.

Method: Plexiform (n=16) and follicular (n=14) ameloblastoma's samples were immunohistochemically examined with monoclonal antibody TIMP-2. Expression of TIMP-2 was evaluated with Image J software.

Result: No significant difference of immunohistochemical expression of TIMP-2 between plexiform and follicular ameloblastoma $p=0.072$ ($p>0.05$), that was analyzed with Chi-Square test.

Discussion: Low grade TIMP-2 expression was contributed to local invasive capacity of ameloblastomas.

Conclusion: Plexiform and follicular ameloblastoma have similarity in capacity of local invasiveness.