Level Ekspresi Mrna Groel, Hsp60 Dan Il-6 Pada Interaksi Antara Sel Fusobacterium Nucleatum Dan Sel Epitel = Expression levels mRNA GroEL, HSP60 and IL-6 in Interaction Between Fusobacterium nucleatum and Epithelium cells

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Abstrak

Latar belakang: Interaksi fisik pada tahap adesi dan invasi sangat penting dalam patogenesis periodontitis Tujuan: Mengetahui hasil perbandingan level ekspresi mRNA GroEL Fusobacterium nucleatum dan level ekspresi mRNA HSP60 dan IL-6 sel epitel pada proses adesi dan invasi. Metode: Eksperimen laboratorik in vitro pada interaksi antara Fusobacterium nucleatum dan sel epitel, tahap adesi dan invasi. Analisis statistik menggunakan uji komparatif Kruskal-Wallis. Hasil: mRNA GroEL tidak terekspresi pada tahap adesi dan invasi. Hasil uji komparatif Kruskal-Wallis, perbandingan mRNA HSP60 dan IL-6 pada tahap adesi dan invasi berbeda bermakna p=0.02 (p<0.05) dan p=0.04 (p<0.05). Kesimpulan, terdapat hasil perbandingan yang signifikan antara ekspresi mRNA HSP60 dan IL-6 pada tahap adesi dan invasi, sedangkan mRNA GroEL tidak terekspresi pada kedua tahap tersebut.
.....Background: Interaction in adhesion and invasion stage is very important in the pathogenesis of periodontitis Objective: To Know the comparison of GroEL mRNA expression levels of Fusobacterium nucleatum and HSP60-IL-6 mRNA expression levels of epithelial cell in adhesion and invasion stage. Material and Methods: In vitro laboratory experiments of Fusobacterium nucleatum and epithelial cells interaction in adhesion and invasion stage. Statistical analysis using Kruskal-Wallis comparation test. Results: GroEL mRNA is not express at adhesion and invasion stage. The results of the Kruskal-Wallis comparation test comparison of HSP60 and IL-6 mRNA at adhesion and invasion stage is significantly different p = 0:02 (p <0.05) and p = 0:04 (p <0.05). Conclusion: there is a significant result of the comparison between the expression of HSP60 and IL-6 at adhesion and invasion stage, whereas GroEL is not express neither those stage.