

Kadar interleukin-4 keterkaitannya dengan derajat keparahan periodontitis kronis pada perokok : Studi Di Rumah Sakit Khusus Gigi Mulut Fakultas Kedokteran Gigi Universitas Indonesia = The relationship of interleukin-4 level with chronic periodontitis degree of severity in smoker at Rumah Sakit Khusus Gigi Mulut, Faculty Of Dentistry, Universitas Indonesia

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Abstrak

Latar belakang: Peran Interleukin-4 dengan derajat keparahan periodontitis kronis dan kebiasaan merokok belum dipahami.

Tujuan: Menganalisis kadar Interleukin-4 pada perokok penderita periodontitis kronis.

Bahan dan Metoda: Penelitian cross-sectional periodontitis kronis pada 104 subjek, 33-78 tahun di RSKGM FKG-UI. Pengumpulan data klinis periodontal, status merokok serta sampel cairan krevikular gingiva.

Pemilihan sampel secara consecutive sampling dan deteksi kadar Interleukin-4 dengan uji ELISA.

Hasil: Terdapat perbedaan bermakna antara kadar Interleukin-4 pada perokok dan bukan perokok ($p=0,000$), tidak terdapat perbedaan bermakna antara kadar Interleukin-4 pada penderita periodontitis ringan-sedang dengan berat ($p=0,092$).

Kesimpulan: Terdapat keterkaitan antara kadar Interleukin-4 dengan derajat keparahan periodontitis kronis perokok.

.....Background: The role of Interleukin-4 in smoker periodontitis is unclear.

Purpose: To analyze Interleukin-4 levels in smoker with chronic periodontitis.

Material and method: Cross-sectional study of 104 subjects chronic periodontitis, 33-78 years old in RSKGM FKG-UI. The data was collected by periodontal clinical examination, smoking status, and gingival crevicular fluid. Samples detected by ELISA test.

Result: There is significant differences found in Interleukin-4 level between smoker and non smoker ($p=0,000$). There is no significant differences found in Interleukin-4 level between mild-moderate and severe chronic periodontitis.

Conclusion: There is a correlation of Interleukin-4 level with chronic periodontitis degree of severity in smoker.