

# Kadar interleukin-1 dalam cairan sulkus gingiva penderita penyakit jantung koroner dan hubungannya dengan status periodontal = Levels of interleukin-1 in gingival crevicular fluid in patients with coronary heart disease and its relationship to periodontal status

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## Abstrak

Latar Belakang: Periodontitis merupakan faktor risiko terjadinya Penyakit Jantung Koroner (PJK).

Interleukin-1 merupakan sitokin pro-inflamasi utama yang dapat ditemukan pada kedua penyakit ini.

Tujuan: Menganalisis hubungan kadar interleukin-1 dalam cairan sulkus gingiva (CSG) penderita PJK dan non PJK dengan status periodontal.

Metode: Pemeriksaan klinis 40 subjek PJK dan 40 subjek non PJK, pemeriksaan laboratorium kadar Interleukin-1 dengan ELISA.

Hasil : Tidak terdapat perbedaan bermakna Interleukin-1 antara penderita PJK dan non PJK ( $p>0,05$ ); tidak terdapat perbedaan bermakna antara kadar Interleukin-1 dengan status periodontal penderita PJK dan non-PJK ( $p>0,05$ ).

Kesimpulan: Kadar Interleukin-1 penderita PJK tidak memiliki hubungan dengan status periodontal.

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Background: Periodontitis is a risk factor for coronary heart disease. Interleukin-1 as a pro-inflammatory main cytokine, can be found in this both diseases.

Objective: To analyze the relationship of interleukin-1 levels in CSG CHD and non-CHD patients with periodontal status.

Methods: Clinical Examination for 40 Subject CHD and 40 controls was checked, laboratory test for measured the levels of Interleukin-1 with ELISA.

Results: There were no significant differences between patients Interleukin-1 CHD and non-CHD ( $p>0.05$ ); there is no significant difference between the levels of Interleukin-1 with periodontal status CHD and control patients ( $p>0.05$ ).

Conclusions: Levels of Interleukin-1 of CHD patients do not have a relationships with periodontal status.