Keterkaitan kadar low density lipoprotein dengan status periodontal penderita penyakit jantung koroner = Low density lipoprotein levels linkage with the periodontal status patients of coronary heart disease

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Abstrak

ABSTRAK
Latar Belakang: Mayoritas penelitian menemukan hubungan periodontitis dengan penyakit jantung koroner (PJK), namun hubungan status periodontal penderita PJK dengan kadar LDL (Low Density Lipoprotein) sebagai faktor risiko aterosklerosis penyebab PJK belum diteliti. Tujuan: Menganalisis hubungan antara kadar LDL dengan status periodontal PJK. Metode: 60 penderita PJK dan 40 kontrol diperiksa status periodontal (PBI, PPD, CAL) dan darah perifer untuk dinilai kadar LDL. Hasil: Ditemukan perbedaan kadar LDL (p=0,005) antara PJK dengan non PJK, korelasi kadar LDL dengan PPD (p=0,003) dan CAL (p=0,013) pada penderita PJK, dan PPD (p=0,001), CAL (p=0,008) pada non PJK, namun tidak ada korelasi kadar LDL dengan PBI (p=0,689) pada penderita PJK, PBI (p=0,302) pada non PJK. Kesimpulan: Terdapat korelasi antara kadar LDL dengan status periodontal.

Kata kunci:
Kadar LDL, status periodontal, penyakit jantung koroner

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ABSTRACT
Background: Studies found an association between periodontitis and coronary heart disease (CHD), but relationship between periodontal status CHD patients with LDL (Low Density Lipoprotein) levels, as risk factors for atherosclerosis, has not been studied. Objective: To analyze relationship between LDL and periodontal status CHD. Methods: Periodontal status of 60 CHD, 40 controls wasd examined (PBI, PPD, CAL) and their blood was taken to assess levels LDL. Result: Found significant differences LDL (p=0.005), correlation LDL with PPD (p=0.003) and CAL (p=0.013) CHD, and PPD (p=0.001), CAL (p=0.008) non-CHD, but no significant correlation LDL with PBI (p=0.689) CAD and PBI (p=0.320) non-CAD. Conclusion: There is a correlation between the LDL level with periodontal status.

Key words:
Levels of LDL, periodontal status, coronary heart disease