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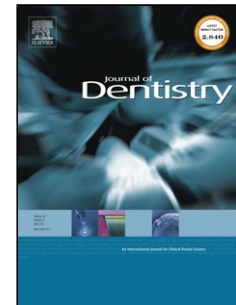
Title: Prevalence of periodontitis, dental caries, and peri-implant pathology and their relation with systemic status and smoking habits: Results of an open-cohort study with 22009 patients in a private rehabilitation center

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Prevalence of periodontitis, dental caries, and peri-implant pathology and their relation with systemic status and smoking habits: Results of an open-cohort study with 22009 patients in a private rehabilitation center.

Short title: Frequency, distribution and **systemic risk indicators** of oral diseases

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ABSTRACT

Objectives: This investigation, based on a 3-year epidemiological surveillance open cohort study, aimed to **provide an insight of** the prevalence of periodontitis, dental caries and peri-implant pathology **and to** compare inferentially between healthy and systemic compromised patients.

Methods: A total of 22009 patients were observed consisting in 9035 men (41.1%) and 12974 women (58.9%) with an average age of 48.5 years (standard deviation of 15.6 years). The prevalence of the 3 chronic oral diseases was calculated. The comparison between healthy and systemic compromised patients for each oral disease was performed through multivariate logistic regression: Odds ratios (OR) with 95% confidence intervals (95%CI) were estimated in one general model and one systemic condition specific model adjusted for age and gender. Attributable fractions were estimated for systemic conditions (both models). The level of significance was set at 5%.

Results: The prevalence rate of periodontitis, dental caries and peri-implant pathology was 17.6%, 36.6% and 13.9%, respectively. The systemic compromised status was associated with the prevalence of the three chronic oral diseases on the general models. The systemic condition specific models yielded Diabetes [OR=1.49, 95%CI (1.24;1.79)] and HIV+ [OR=4.37, 95%CI (1.05;18.24)] as risk indicators for Periodontitis;

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