

View Abstract

CONTROL ID: 3971096

TITLE: Title: IL-1 genotype association with a diagnosis of periodontitis: in vivo study

PREFERRED PRESENTATION TYPE: Poster

CURRENT SCIENTIFIC GROUPS & NETWORKS: Microbiology/Immunology

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ABSTRACT BODY:

Objectives: Aim:

This study aimed to evaluate the periodontal risk status based on the result of the Genotype Interleukin- 1® test in patients diagnosed with chronic periodontitis.

Objective:

To evaluate a correlation between Genotype Interleukin- 1® positivity and bacterial species at baseline for low and high-risk patients.

To evaluate a correlation between Genotype Interleukin- 1® positivity and clinical parameters (PPD, REC, CAL, BOP, PI) of periodontal disease of low and high-risk patients at baseline

Methods: The periodontal risk status of 25 patients diagnosed with chronic periodontitis was assessed performing a buccal cheek swap with the Genotype Interleukin- 1® kit at baseline (prior to starting periodontal treatment). A positive Genotype Interleukin- 1® (indicating high risk) was then evaluated against bacterial species parameters and the presence of clinical parameters indicative of periodontitis in patients indicated as low or high risk.

Results: 7 of the 25 patients were identified as high risk for the development of periodontitis (Genotype Interleukin- 1 positive).

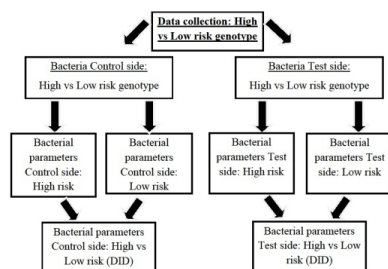
There were no significant differences in the mean values comparing the baseline bacterial species parameters and clinical parameters between high and low-risk groups.

Conclusions: The conclusion was that irrespective of patients having a high versus low risk genotype at baseline, the differences in the bacterial and clinical parameters were not statistically significant.

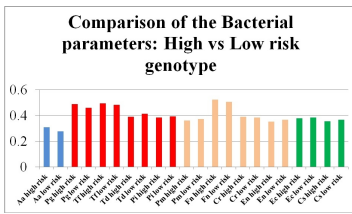
TABLE TITLE: (No Tables)

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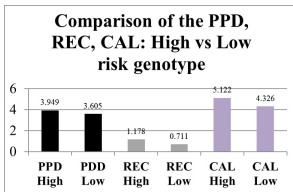
TABLE FOOTER: (No Tables)



Flowchart of Clinical parameters comparison for High vs Low risk Genotype



Bacterial parameters of High risk vs Low risk genotype at baseline



Graph depicting the PPD, REC, CAL parameters for the High and Low risk genotype

IMAGE CAPTION:

Flowchart of Clinical parameters comparison for High vs Low risk Genotype

Bacterial parameters of High risk vs Low risk genotype at baseline

Graph depicting the PPD, REC, CAL parameters for the High and Low risk genotype

KEYWORDS: Periodontal disease, Genotype Interleukin-1, Periodontal pathogens, Periodontal parameters, in vivo.

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