

講演情報

一般演題ポスター

微生物

一般演題ポスター

微生物 (臨床)

2017年12月16日(土) 09:00 ~ 17:00

ポスター会場 (さくら)

P-035~P-045

(ポスター討論 : 11:40~12:30)

ポスター受付・掲示 : 7:30~9:00

ポスター展示・閲覧 : 9:00~17:00

ポスター討論 : 11:40~12:30

ポスター撤去 : 17:00~17:30

[P-038] 歯周炎患者における従来の非外科的治療方法を補う抗 *P. gingivalis* gingipains 鶏卵黄抗体の評価

Evaluation of egg yolk antibody against *P.gingivalis* gingipains as an adjunct to nonsurgical therapy in periodontitis patients

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研修コード : 3002

キーワード : 歯周病、ジンジパイン、卵黄抗体 (IgY)、補助歯周治療

Background and Objective: Egg yolk antibody (IgY) against gingipains from *P. gingivalis* is known to have good effects when applied directly in periodontal pockets after SRP treatment in periodontitis patients. The aim of this study was to examine the clinical and bacteriological effects of lozenges fortified with the IgY as an adjunct to nonsurgical therapy.

Materials and Methods: Sixty patients with chronic periodontitis were recruited and divided randomly into a test and a placebo group. The two groups were treated by SRP followed by a daily use of lozenges containing either specific IgY against *P. gingivalis* gingipains (test) or a sham-immune IgY (placebo). Clinical parameters including bleeding on probing (BOP), probing pocket depth (PD) and quantitative analysis of *P. gingivalis* in the gingival pockets were assessed at baseline and 8 weeks after the initiation of treatment.

Results: Both groups showed significant improvement of all parameters at 8 weeks post treatment. There was a significant difference in improvement of BOP and *P. gingivalis* level in the test group compared to the placebo group. The reduction of PD was bigger in the test group compared to the placebo group although there was no significant difference between the 2 groups on this parameter at 8 weeks post treatment.

Conclusion: Lozenges containing IgY antibody against gingipains from *P. gingivalis* could be a useful adjunct to nonsurgical therapy in chronic periodontitis.