ISSN 2085-711X

Periodontic Dental Journal

Vol 3 No. 1 January-June 2011 Published Biannualy

CONTENTS :

Table of Contents

UNIVERSITAS AIRLANGGA
Jurnal Departemen Fakultas Kedokteran Gigi
Kampus A Mayjen. Prof. Dr. Moestopo No. 47 Surabaya [60132]. Telp. 031.5030255, 5020256
Jawa Timur, Indonesia

Periodontic Journal, Vol. 3 - No. 1 / 2011-01: -

The Effect Of Low Dose Doxycycline Toward The Amount Of Wistar's Collagen Fibers induced agregatebacter actinomycetemcomitans

EFEK DOXYCYCLINE DOSIS RENDAH TERHADAP JUMLAH SERAT KOLAGEN TIKUS WISTAR YANG DIINDUKSI AGREGATEBACTER ACTINOMYCETEMCOMITANS

-
-
-
-
-
-
Noer Ulfah
-
-
Ernie Maduratna Setiawatie
-
-
Atika Nisaa R
-
-

Abstract

Background*. Periodontitis is characterized by periodontal tissue destruction such as destruction of collagen fibers, periodotal ligament and alveolar bone that cause tooth mobility. Destruction of collagen fibers is caused by increase of collagenase level. Low dose doxycycline can decrease the collagenase level by bind the active site of collagenase.* ***Purpose.*** *The aim of this study is to determine the effect of low dose doxycycline in increasing the amount of collagen fiber in wistar's periodontal ligament which is inoculated by A.actinomycetemcomitans.* ***Method.*** *This study was experimental laboratories. Twenty seven Rattus norvegicus strain wistar are being used for thirty days. Twenty seven Rattus norvegicus strain wistar were devided into three groups; control, A.actinomycetemcomitans; A.actinomycetemcomitans+Doxycycline. Mallory Azan stain are being used to determine the collagen fibers. Collagen fibers are evaluated histologically by electron microscop. Data were analyzed statistically using Kruskal-Walis and Mann-Whitney test.* ***Result.*** *Examination showed there were significant different in collagen fibers level between each group (p<0.05).* ***Conclusion.*** *Low dose doxycycline can increase the amount of collagen fibers in wistar's periodontal ligament.*

Keyword : doxycycline, collagen, A.actinomycetemcomitans, , , , , ,

Abstrak

Daftar Pustaka :

1. **-**, Perbedaan Kadar Matrix metalloproteinase-8 setelah Scaling dan pemberian tetrasiklin pada penderita periodontitis kronis.. Surabaya: JURNAL PDGI, Vol 58 No. 1, 2009.
2. **-**, -. -: -, 0000.
3. **-**, -. -: -, 0000.
4. **-**, -. -: -, 0000.
5. **-**, -. -: -, 0000.

Click atau Copy alamat URL di bawah ini untuk download fullpaper :

http://dentj.fkg.unair.ac.id/doc_fullpaper/PD-3-1-2011-01458-fp.pdf