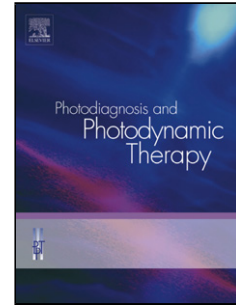


Accepted Manuscript

Title: Is antimicrobial photodynamic therapy an effective treatment for chronic periodontitis in diabetes mellitus and cigarette smokers: a systematic review and meta-analysis

Author: Nawwaf Al-Hamoudi



PII: S1572-1000(17)30305-8
DOI: <http://dx.doi.org/doi:10.1016/j.pdpdt.2017.05.018>
Reference: PDPDT 970

To appear in: *Photodiagnosis and Photodynamic Therapy*

Received date: 12-5-2017
Revised date: 21-5-2017
Accepted date: 24-5-2017

Please cite this article as: Al-Hamoudi Nawwaf. Is antimicrobial photodynamic therapy an effective treatment for chronic periodontitis in diabetes mellitus and cigarette smokers: a systematic review and meta-analysis. *Photodiagnosis and Photodynamic Therapy* <http://dx.doi.org/10.1016/j.pdpdt.2017.05.018>

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Title page

Running head: Adjunctive photodynamic therapy in diabetes mellitus and cigarette smokers.

Is antimicrobial photodynamic therapy an effective treatment for chronic periodontitis in diabetes mellitus and cigarette smokers: a systematic review and meta-analysis

Nawwaf Al-Hamoudi

Department of Periodontics and Community Dentistry, King Saud University, Riyadh, Saudi Arabia.

Corresponding author:

Dr Nawwaf Al-Hamoudi

Department of Periodontics and Community Dentistry

King Saud University

Riyadh, Saudi Arabia.

Email: alhamoudink@gmail.com

Tel: +966532872017

Highlights

- Outcomes are compromised in T2DM and smokers following periodontal therapy.
- Six randomized clinical trials were included.
- PDT does not provide additional benefit in T2DM and smokers with CP.
- The follow-up duration of the included studies ranged from 12–24 weeks only.

Abstract

Background: To determine whether treatment with antimicrobial photodynamic therapy (aPDT) as an adjunct to scaling and root planing (SRP) improves clinical, microbiological and immunological outcomes in type 2 diabetes mellitus (T2DM) and cigarette smokers with chronic periodontitis (CP).

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