Supplemental Information. Treatment of oral fungal infections using antimicrobial photodynamic therapy: A systematic review and meta-analysis.

The following search strategy was used in PubMed/MEDLINE and modified for the other databases: ((Phototherapy [MESH]) OR (Photodynamic Therap\* [Title/Abstract])) AND ((Candid\* [Title/ Abstract]) OR (fungal infect\* [Title/Abstract]) OR (Mycoses [MeSH]) OR (Denture Stomatitis [other term]).The search term “photodynamic therapy oral fungal infections” was used for forward tracking in Google Scholar, ISI Citation Indices, and Web of Science ISI proceedings (conference proceedings). This was complemented by hand-searching the reference lists of the selected studies for additional relevant studies.

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| ***Table S1: Example of Search Strategy for photodynamic therapy for oral fungal infections*** | | |
| Database | PubMed/MEDLINE |  |
| Date | 4/11/2017 |  |
| Limits | None |  |
| No | Search | Result |
| 1 | PHOTOTHERAPY[MESH] | 34250 |
| 2 | PHOTODYNAMIC THERAP\*[Title/Abstract] | 15548 |
| 3 | #1 OR #2 | 38967 |
| 4 | CANDID\*[Title/Abstract] | 314251 |
| 5 | FUNGAL INFECT\*[Title/Abstract] | 18417 |
| 6 | MYCOSES[MESH] | 116485 |
| 7 | DENTURE STOMATITIS[Other Term] | 61 |
| 8 | #4 OR #5 OR #6 OR#7 | 411274 |
| 9 | (ORAL[Title/Abstract]) OR DENTAL[Title/Abstract] | 682360 |
| 10 | #8 AND #9 | 20147 |
| 11 | #3 AND #10 | 90 |

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| ***Table S2: Titles retrieved by electronic, manual, and reference searching*** | | |
| Database | Overall number of search outcomes | Number of search outcomes without duplicates |
| PubMed | 90 | 90 |
| Cochrane Library | 8 | 8 |
| EBSCOHOST | 38 | 33 |
| Medline | 111 | 111 |
| ISI Web of Science | 134 | 134 |
| ProQuest Dissertation and Theses | 22 | 22 |
| WorldCat | 197 | 166 |
| ClinicalTrials.gov | 1 | 1 |
| SciELO | 5 | 5 |
| Scopus | 2 | 2 |
| Science Direct | 46 | 46 |
| Hand Search | 2 | 2 |
| Total | 656 | 620 |
| Total after removal of duplicates between databases |  | 353 |

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| *Table S3: Clinical studies using PDT to treat Oral Fungal Infections which have been excluded* | | |
| Study | Publication year | Reason for exclusion |
| Abduljabaar *et al1* | 2017 | Comparison between non-smokers and smokers (no antifungal control) |
| Alves *et al* 2 | 2018 | Case report |
| Barcessat *et al* 3 | 2017 | Case Report |
| Maciel *et al* 4 | 2016 | PDT followed up with light laser therapy |
| Mima *et al* 5 | 2011 | Case report |
| Ribeiro *et al* 6 | 2012 | Not related to oral fungal infections |
| Simonovik-Soskic *et al* 7 | 2010 | Outcome not relevant to this review |
| Cadastro & Giovani*8* | 2009 | Full-text not found |

***References***

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2. Alves F, Alonso GC, Carmello JC, et al. Antimicrobial Photodynamic Therapy mediated by Photodithazine® in the treatment of denture stomatitis: a case report. Photodiagnosis and photodynamic therapy 2018; 21: 168-171.

3. Barcessat ARP, Sa EDC, Nunes DDS, et al. PHOTODYNAMIC THERAPY AS A CLINICAL TOOL IN RECURRENCE OF ORAL CANDIDIASIS IN A SEVERELY IMMUNOSUPPRESSED PATIENT. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology 2017; 124.

4. Maciel CM, Piva MR, Ribeiro MAG, et al. Methylene Blue-Mediated Photodynamic Inactivation Followed by Low-Laser Therapy versus Miconazole Gel in the Treatment of Denture Stomatitis. Journal of Prosthodontics-Implant Esthetic and Reconstructive Dentistry 2016; 25: 28-32. DOI: 10.1111/jopr.12284.

5. Mima EGD, Pavarina AC, Silva MM, et al. Denture stomatitis treated with photodynamic therapy: five cases. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontology 2011; 112: 602-608. DOI: 10.1016/j.tripleo.2011.05.019.

6. Ribeiro DG, Pavarina AC, Dovigo LN, et al. Photodynamic inactivation of microorganisms present on complete dentures. A clinical investigation. Lasers in medical science 2012; 27: 161-168.

7. Simunovic-Soskic M, Pezelj-Ribaric S, Brumini G, et al. Salivary Levels of TNF-alpha and IL-6 in Patients with Denture Stomatitis Before and After Laser Phototherapy. Photomedicine and Laser Surgery 2010; 28: 189-193. DOI: 10.1089/pho.2008.2420.

8. Cadastro G and Giovani E. P134 Photodynamic therapy of oral candidiasis in HIV-positive patients. ANTAGE International Journal of Antimicrobial Agents: Supplement 2 2009; 34: S69-S69.