

Supplementary Material

Is There an Association Between Parkinson's Disease and Periodontitis? A Systematic Review and Meta-Analysis

Supplementary Method

Literature search strategy in PubMed database

#1 Parkinson Disease [MeSH] OR Parkinsonian Disorders [MeSH]

#2 parkinson* Field: Title/Abstract

#3 PDD OR MCI-PD OR PD-MCI OR PD-CIND. Field: Title/Abstract

#4 (idiopathic parkinson* AND disease) OR (parkinson* AND (disease dement*)) OR (cognit* AND (PD OR parkinson*)) OR (CIND AND parkinson*). Field: Title/Abstract

#5 #1 OR #2 OR #3 OR #4

#6 Periapical diseases [MeSH] OR periodontal diseases [MeSH]

#7 dental* OR tooth OR teeth OR "tooth root*" OR (root* AND teeth) OR (tooth AND apex) OR (teeth AND apex) OR (teeth AND apices) OR periapical OR peri-apical OR dentoalveol* OR dento-alveol* OR periradicular OR peri-radicular. Field: Title/Abstract

#8 disease* OR abscess* OR granuloma* OR lesion* OR infect* OR inflam* OR pyorrhea* OR pathosis. Field: Title/Abstract

#9 #7 AND #8

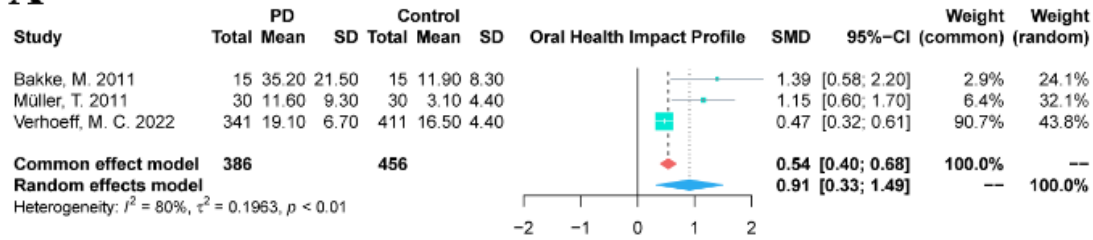
#10 periodont* OR gingivitis OR gingiva* OR paradont* OR pericementiti*. Field: Title/Abstract

#11 #6 OR #9 OR #10

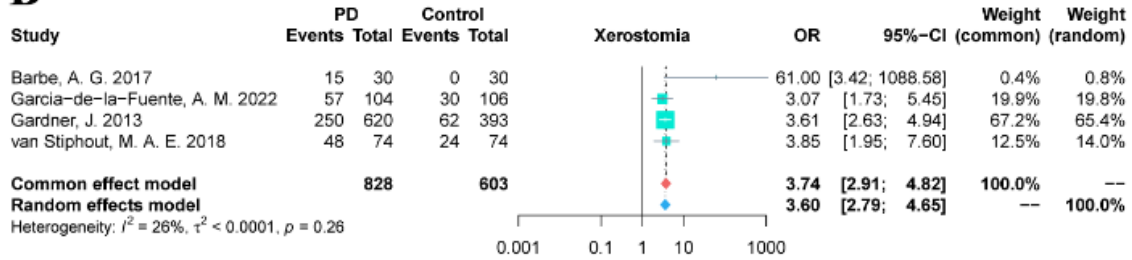
#12 #5 AND #11

Supplementary Figure 1. Forest plots of meta-analysis for the oral status in Parkinson's disease.

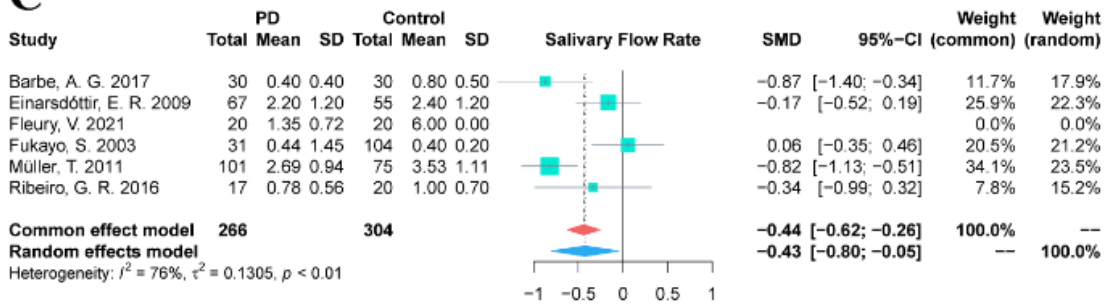
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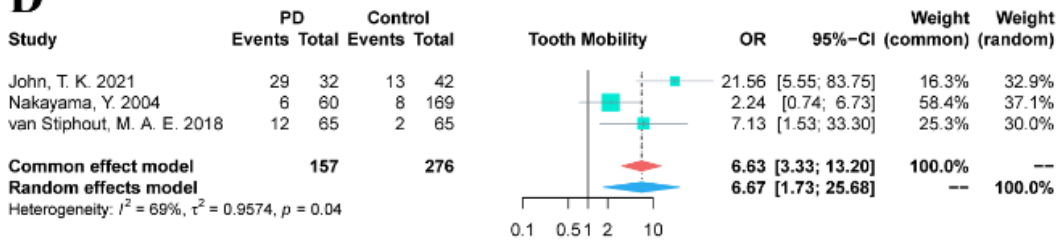
B



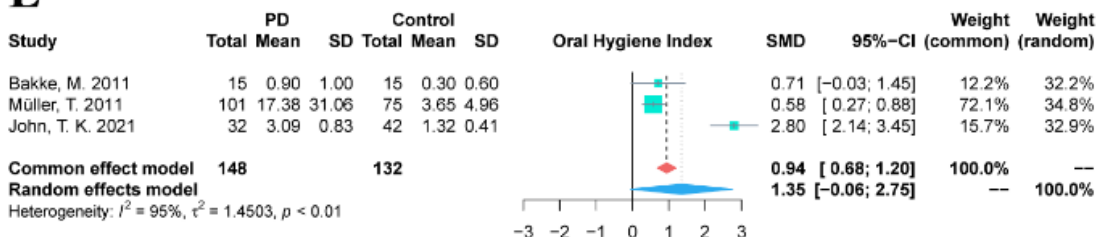
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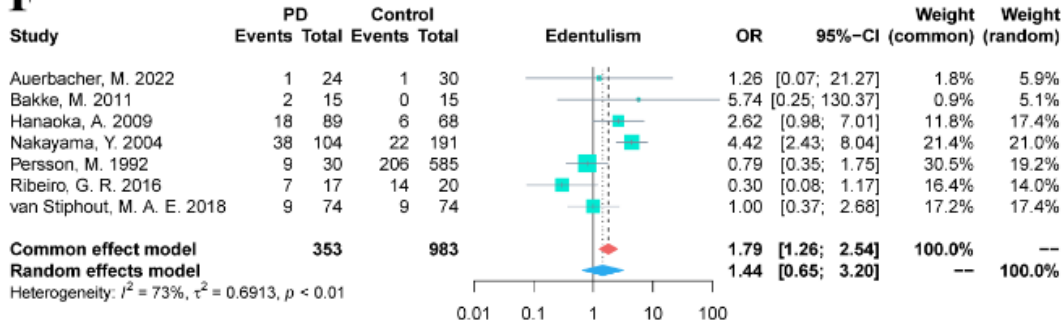
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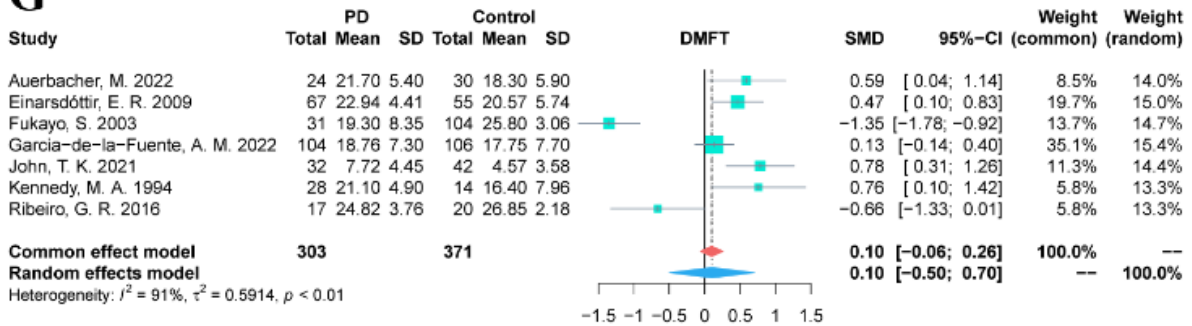
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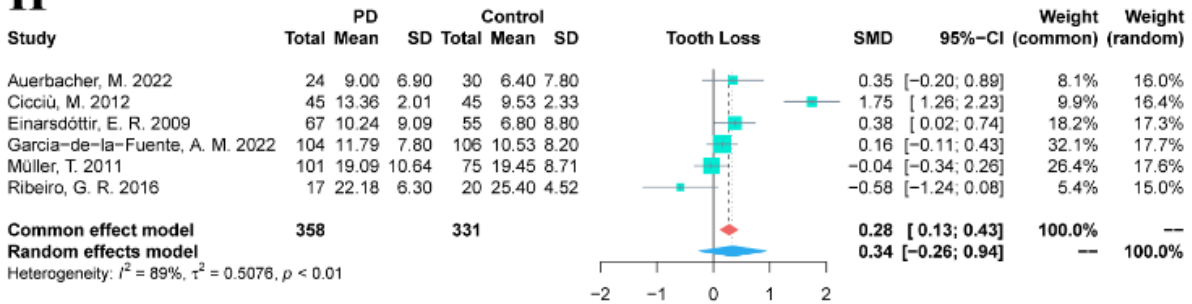
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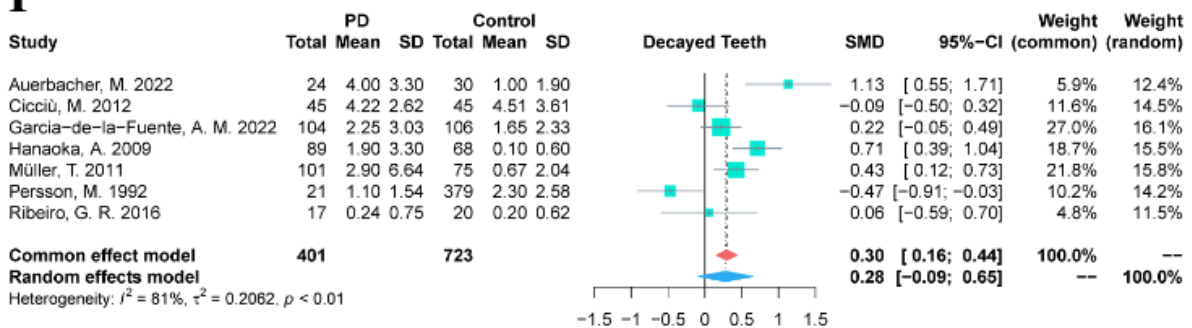
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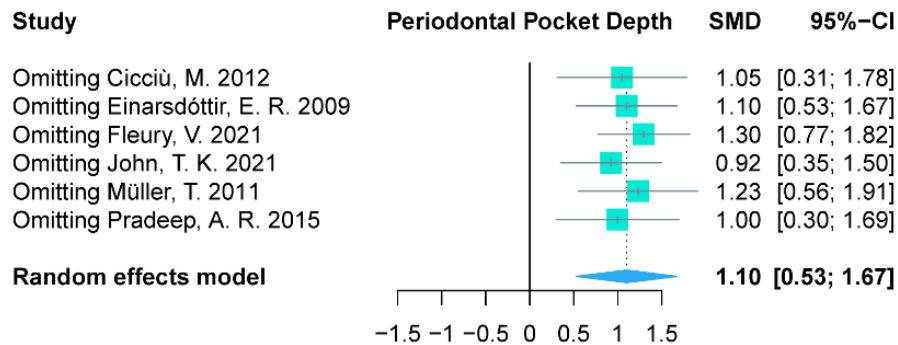
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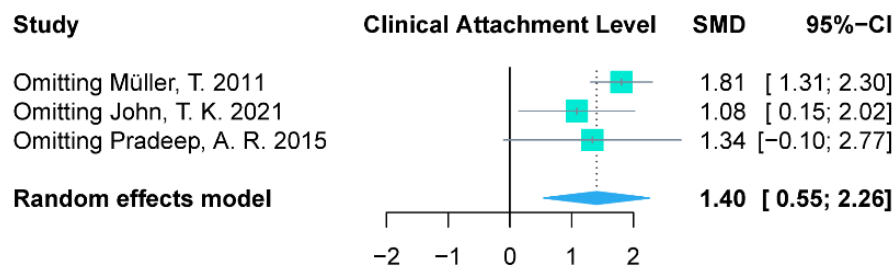
Oral status (A. Oral health Impact Profile-14; B. xerostomia; C. salivary flow rate; D. tooth mobility; E. oral hygiene index; F. edentulism; G. decayed, missing, and filled teeth index; H. tooth loss; I. Decayed teeth) of PD patients was compared to healthy control. The results were summarized in Table 3.

Supplementary Figure 2. Leave-one-out sensitivity analysis examining PPD (A), CAL (B), PI (C), and BoP% (D) in patients with Parkinson's disease

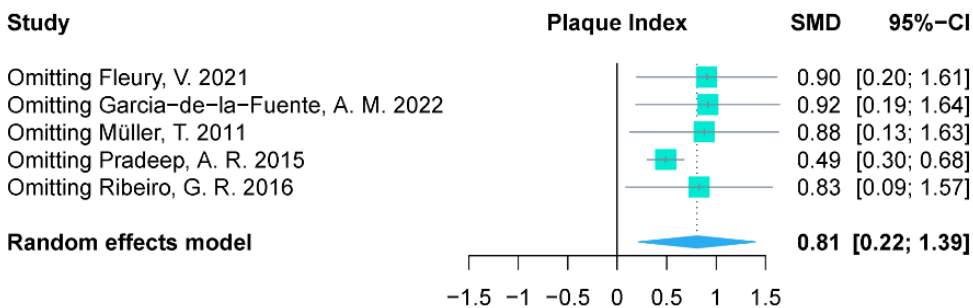
A



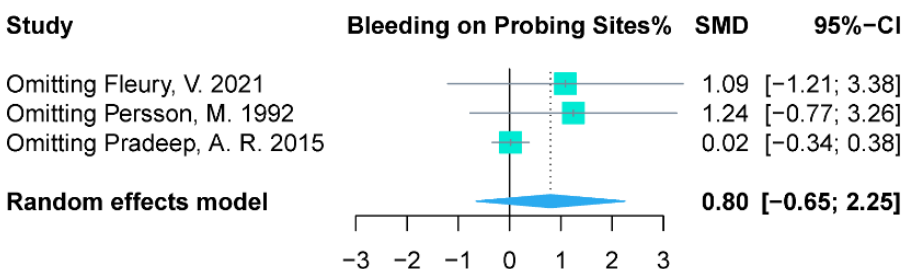
B



C



D



Sensitivity analysis showed that no individual study altered the direction of pooled effect of SMD, indicating that our results of the higher prevalence of periodontitis in PD patients were robust.