

Supplemental Online Content

Merchant AT, Gupta RD, Akonde M, et al. Association of chlorhexidine use and scaling and root planing with birth outcomes in pregnant individuals with periodontitis: a systematic review and meta-analysis. *JAMA Netw Open*. 2022;5(12):e2247632.
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eAppendix. Search Strategy for the Systematic Review and Meta-analysis

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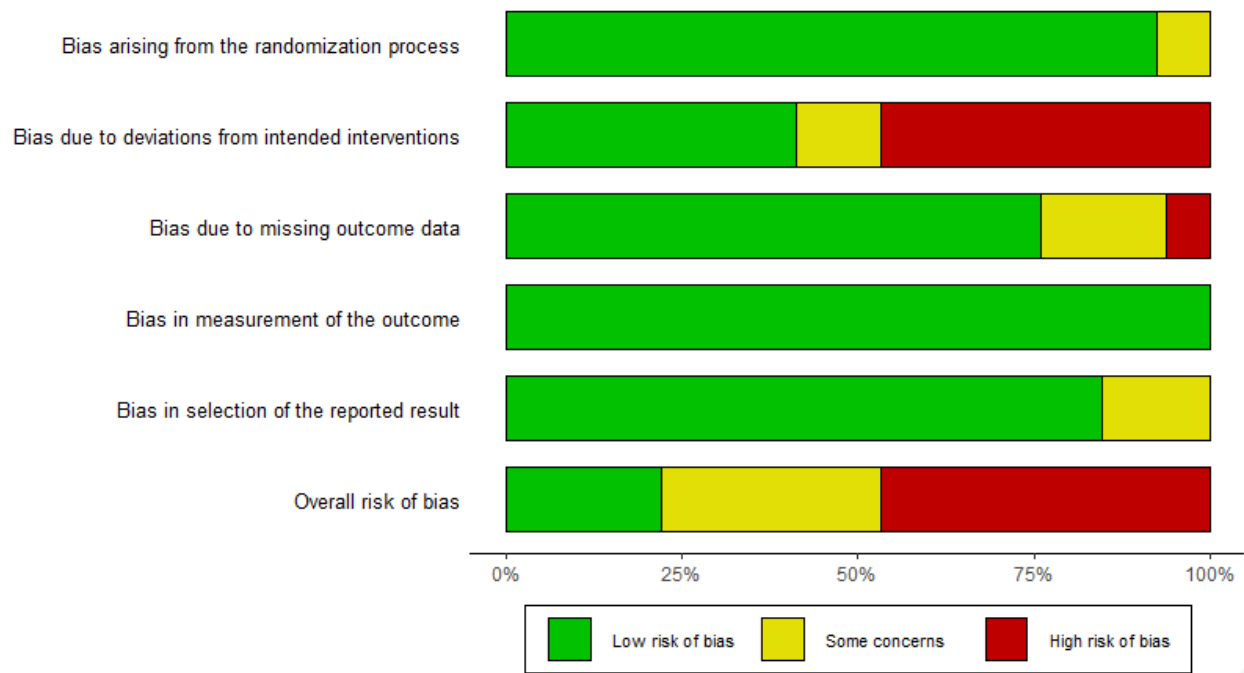
This supplemental material has been provided by the authors to give readers additional information about their work.

eAppendix. Search Strategy for the Systematic Review and Meta-analysis

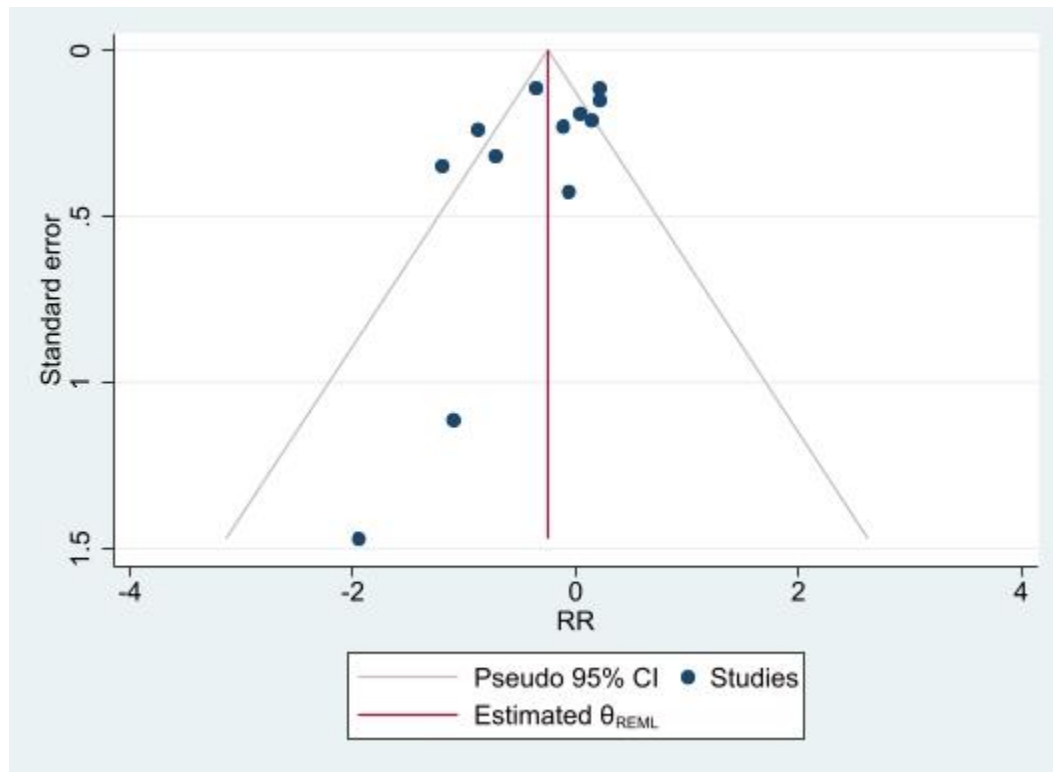
An electronic search of the literature was performed interrogating the following databases: Cochrane Oral Health's Trials Register, Cochrane Pregnancy and Childbirth's Trials Register, Cochrane Central Register of Controlled Trials (CENTRAL), MEDLINE Ovid, Embase Ovid, LILACS BIREME Virtual Health Library (Latin American and Caribbean Health Science Information database), and US National Institutes of Health Ongoing Trials Register (ClinicalTrials.gov) and the WHO International Clinical Trials Registry Platform using a search string that was created combining appropriate keywords with the use of Boolean operators "AND" and "OR". The search string for Cochrane Pregnancy and Childbirth's Trials Register will be: periodont* or (scal* and polish*) or (root* and plan*) OR (tooth and scal*) or (teeth and scal*) or (dental and scal*) or "oral hygiene" or "oral health" or gingivitis.

Types of studies to be included: Randomized controlled trials

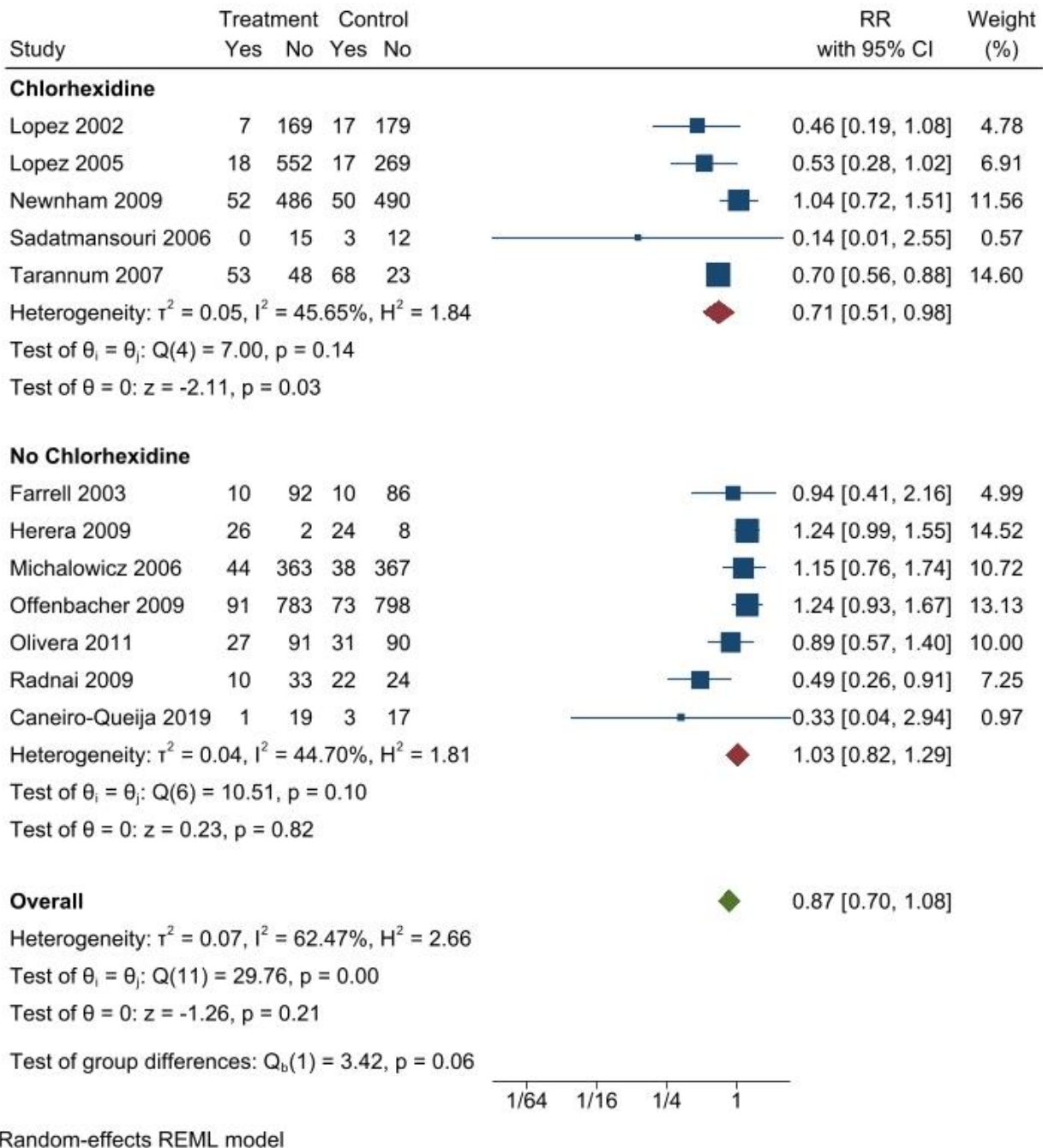
eFigure 1. Risk of Bias Chart Using the ROB 2 Tool



eFigure 2. Funnel Plot of Studies Included in Systematic Review and Meta-analysis



eFigure 3. Analyses for Preterm Birth Repeated Using Definition in Cochrane Review



eFigure 4. Leave-One-Out Meta-analyses for Preterm Birth

eFigure 5-A, Leave-one-out meta-analysis for chlorhexidine plus SRP group

Leave-one-out meta-analysis summary Number of studies = **5**
Random-effects model
Method: REML

| Omitted study | RR | [95% conf. interval] | | p-value |
|--------------------|--------------|----------------------|--------------|--------------|
| Lopez 2002 | 0.657 | 0.405 | 1.067 | 0.090 |
| Lopez 2005 | 0.599 | 0.315 | 1.138 | 0.117 |
| Newnham 2009 | 0.465 | 0.285 | 0.758 | 0.002 |
| Sadatmansouri 2006 | 0.581 | 0.348 | 0.967 | 0.037 |
| Tarannum 2007 | 0.493 | 0.242 | 1.005 | 0.052 |
| RR | 0.558 | 0.337 | 0.925 | 0.024 |

eFigure 5-B, Leave-one-out meta-analysis for SRP only group

Leave-one-out meta-analysis summary Number of studies = **7**
Random-effects model
Method: REML

| Omitted study | RR | [95% conf. interval] | | p-value |
|---------------------|--------------|----------------------|--------------|--------------|
| Farrell 2003 | 1.021 | 0.789 | 1.320 | 0.877 |
| Herera 2009 | 0.939 | 0.693 | 1.273 | 0.685 |
| Michalowicz 2006 | 0.966 | 0.709 | 1.316 | 0.824 |
| Offenbacher 2009 | 0.944 | 0.696 | 1.280 | 0.711 |
| Olivera 2011 | 1.032 | 0.779 | 1.368 | 0.826 |
| Radnai 2009 | 1.165 | 1.002 | 1.355 | 0.047 |
| Caneiro-Queija 2019 | 1.045 | 0.835 | 1.308 | 0.703 |
| RR | 1.027 | 0.816 | 1.293 | 0.818 |