

**Additional File 1**

Table 1: Eligibility criteria for studies to be included in this review: inclusion and exclusion criteria

	Inclusion criteria	Exclusion criteria
Participants	<ul style="list-style-type: none"> <li>● Adults (<math>\geq 18</math> years old) diagnosed with periodontal disease</li> </ul>	<ul style="list-style-type: none"> <li>● Persons under the age of 18 diagnosed with periodontal disease</li> <li>● Persons not diagnosed with periodontal disease</li> </ul>
Interventions	<ul style="list-style-type: none"> <li>● Persons who have received regular systemic bisphosphonates combined with non-surgical or surgical periodontal therapy</li> </ul>	<ul style="list-style-type: none"> <li>● Persons who have received topical bisphosphonates combined with non-surgical or surgical periodontal therapy</li> </ul>
Comparison/control group	<ul style="list-style-type: none"> <li>● Those who have undergone only periodontal therapy without placebo, such as in an open trial</li> <li>● Patients taking vitamin D instead of bisphosphonates</li> </ul>	<ul style="list-style-type: none"> <li>● Persons who have not undergone any periodontal treatment</li> </ul>
Outcomes	<ul style="list-style-type: none"> <li>● Trials reporting at least one of the outcomes</li> </ul>	<ul style="list-style-type: none"> <li>● Trials not reporting the primary and secondary outcomes in this study</li> </ul>
Study design	<ul style="list-style-type: none"> <li>● Randomised, placebo-controlled trials</li> <li>● Individual and cluster randomised controlled trials</li> <li>● Published in peer-reviewed journals</li> <li>● No language or year restrictions</li> </ul>	<ul style="list-style-type: none"> <li>● Non-randomised studies</li> <li>● Quasi randomised controlled trials</li> <li>● In-vitro studies</li> <li>● Animal studies</li> <li>● Conference or extended abstracts</li> <li>● Observational studies</li> <li>● Other grey literature</li> </ul>
Setting/context	<ul style="list-style-type: none"> <li>● No country restrictions</li> <li>● Minimum follow-up</li> </ul>	<ul style="list-style-type: none"> <li>● Follow-up period less than 6 months</li> </ul>

	periods of 6 months	<ul style="list-style-type: none"><li>● Studies that cannot be analysed separately for systemic administration and topical administration regarding the administration method of bisphosphonates</li></ul>
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