*Additional file 4: Table S4*: *Risk of bias of studies on non-surgical and surgical periodontal treatment according to the Cochrane Collaboration‘s Tool (Higgins & Green 2011).*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| First author,  year | Random sequence generation | Allocation concealment | Blinding of participants and personnel | Blinding of outcome assessment | Incomplete outcome data | Selective outcome reporting | Other bias | Overall risk of bias |
| Pradeep (2010)1 | + | (random sequence generation and treatment was the same person) | + | + | + | + | + | \_ |
| Pradeep (2012)2 | + | -  (random sequence generation and radiographic Evaluation was the same person) | + | + | + | + | + | - |
| Rath (2012)3 | + | ? (not report) | + | ? (assessment of periodontal parameters was not reported) | + | + | + | ? |
| Pradeep (2013a)4 | + | + | + | + | + | + | + | + |
| Pradeep (2013b)5 | + | + | + | + | + | + | + | + |
| Rao (2013)6 | + | + | + | + | + | + | + | + |
| Pradeep (2015)7 | + | + | + | + | + | + | + | + |
| Kumari (2016)8 | + | + | + | + | + | + | + | + |
| Pradeep (2016a)9 | + | ? (not report) | + | + | + | + | + | ? |
| Grag (2017)10 | + | + | + | + | + | + | + | + |
| Kumari (2017)11 | + | + | + | + | + | + | + | + |
| Pradeep (2017)12 | + | ? (not report) | + | + | + | + | + | ? |
| Martande (2017)13 | + | ? (not report) | + | ? (assessment of periodontal parameters was not reported) | + | + | + | ? |
| DILEEP P (2018)14 | + | (random sequence generation and treatment was the same person) | + | + | + | + | + | - |

“+”, low risk; “-“, high risk; “?”, unclear risk.

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