# Additional file 4: Summary of risk of bias in included studies

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| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Random sequence generation (selection bias)** | **Allocation concealment (selection bias)** | **Blinding of outcome assessment (detection bias)** | **Incomplete outcome data (attrition bias)** | **Selective reporting (reporting bias)** | **Other bias** | **Overall risk of bias** |
| **Botha 2014** | green plus | yellow q mark | yellow q mark | yellow q mark | yellow q mark | green plus | Low/ unclear |
| **Cai 2015** | green plus | yellow q mark | green plus | yellow q mark | yellow q mark | green plus | Low/ unclear |
| **Chatterjee 2014** | green plus | green plus | red minus 3 | green plus | green plus | green plus | Low |
| **Ghadiri 2015** | green plus | yellow q mark | red minus 3 | green plus | red minus 3 | green plus | High |
| **Hegde 2012** | yellow q mark | yellow q mark | red minus 3 | red minus 3 | red minus 3 | yellow q mark | High |
| **Li 2005** | yellow q mark | yellow q mark | red minus 3 | red minus 3 | yellow q mark | green plus | High |
| **Ran 2015** | green plus | yellow q mark | yellow q mark | yellow q mark | red minus 3 | yellow q mark | Low/ unclear |
| **Sharifi 2012** | yellow q mark | yellow q mark | red minus 3 | red minus 3 | yellow q mark | red minus 3 | High |
| **Sungur 2011** | green plus | yellow q mark | yellow q mark | green plus | yellow q mark | green plus | Low/ unclear |
| **Xiang 1994** | yellow q mark | yellow q mark | green plus | yellow q mark | yellow q mark | red minus 3 | Low/ unclear |
| **Zhang 1994** | yellow q mark | yellow q mark | yellow q mark | green plus | yellow q mark | red minus 3 | Low/ unclear |