

**Table S2.** Results of quality assessment using the Newcastle-Ottawa Scale for a meta-analysis.

| Study          | Selection                                |                                     |                           | Comparability  |   | Outcome               |   |                                  |
|----------------|--|-------------------------------------|---------------------------|--|---|-----------------------|---|----------------------------------|
|                | Representativeness of the exposed cohort | Selection of the non-exposed cohort | Ascertainment of exposure | Demonstration that outcome of interest was not present at start of study | Comparability of cohorts on the basis of the design or analysis | Assessment of outcome | Was follow-up long enough for outcomes to occur | Adequacy of follow up of cohorts |
| Hasegawa,2013  |  | ×                                   | ×                         | ×  | ×   | ×                     | ×   | ×                                |
| Jun,2013       | ×  | ×                                   | ×                         | ×  | ×   |                       |   | ×                                |
| Nakayama,2009  | ×  | ×                                   | ×                         | ×  | ×   | ×                     |   | ×                                |
| Neves,2012     | ×  | ×                                   | ×                         | ×  | ×   | ×                     |   | ×                                |
| Tachinami,2017 | ×  | ×                                   | ×                         | ×  | ××  | ×                     | ×   | ×                                |
| Qi, 2019       |  | ×                                   | ×                         | ×  | ×   | ×                     | ×   | ×                                |
| ueda,2012      | ×  | ×                                   | ×                         | ×  | ×   | ×                     |   | ×                                |
| shiratori,2013 |  | ×                                   | ×                         | ×  | ×   | ×                     | ×   |                                  |

× means getting a star in this category, the comparability category can be awarded ××mostly.

