**Supplementary Table 1** Quality assessment of cohort studies included in the meta-analysis according to the Newcastle-Ottawa Scale.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Authors and year of publication | Representativeness of the exposed cohort | Selection of the unexposed 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 | Follow-up was long enough for outcomes to occur | Adequacy of follow-up of cohorts | Overall quality score |
| Jo (2010) (10) | \* | \* | \* |  | \*\* | \* | \* | \* | 8 |
| Mair (2011) (11) | \* | \* | \* |  | \* | \* | \* | \* | 7 |
| Komotar (2012) (12) | \* | \* | \* |  | \*\* | \* | \* | \* | 8 |
| Hammouche (2014) (13) | \* | \* | \* |  | \*\* | \* | \* | \* | 8 |
| Aizer (2014) (14) | \* | \* | \* |  | \*\* | \* | \* | \* | 8 |
| Wang (2014) (15) | \* | \* | \* |  |  | \* | \* | \* | 6 |
| Zhao (2014) (16) | \* | \* | \* |  | \* | \* | \* | \* | 7 |
| Champeaux (2016) (17) | \* | \* | \* |  |  | \* | \* | \* | 6 |
| Jenkinson (2016) (18) | \* | \* | \* |  |  | \* | \* | \* | 6 |
| Endo (2016) (19) | \* | \* | \* |  |  | \* | \* | \* | 6 |
| Bagshaw (2016) (20) | \* | \* | \* |  |  | \* | \* | \* | 6 |
| Graffeo (2017) (21) | \* | \* | \* |  | \* | \* | \* | \* | 7 |
| Phonwijit (2017) (22) | \* | \* | \* |  | \*\* | \* | \* | \* | 8 |
| Dohm (2017) (23) | \* | \* | \* |  | \* | \* | \* | \* | 7 |
| Masalha (2017) (24) | \* | \* | \* |  | \*\* | \* | \* | \* | 8 |
| Shakir (2018) (25) | \* | \* | \* |  | \*\* | \* | \* | \* | 8 |
| Chen (2018) (26) | \* | \* | \* |  | \*\* | \* | \* | \* | 8 |
| Li (2018) (27) | \* | \* | \* |  | \*\* | \* | \* | \* | 8 |
| Zhu (2019) (28) | \* | \* | \* |  | \* | \* | \* | \* | 7 |
| Streckert (2019) (4) | \* | \* | \* |  | \*\* | \* | \* | \* | 8 |
| Wang (2019) (29) | \* | \* | \* |  | \*\* | \* | \* | \* | 8 |
| Keric (2020) (30) | \* | \* | \* |  |  | \* | \* | \* | 6 |
| Lee (2020) (5) | \* | \* | \* |  | \* | \* | \* | \* | 7 |
| Garcia-Segura (2020) (31) | \* | \* | \* |  |  | \* | \* | \* | 6 |