**Supplementary table 1.** Risk of bias for individual studies based on the Newcastle Ottawa scale

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Study | Selection | | | | Comparability | | Outcome | | | Total |
| Representative of the exposed cohort | Selection of external cohort | Ascertainment of exposure | Outcome of interest does not present at start | Main factor | Additional factor | Assessment of outcome | Sufficient follow up | Adequacy of follow-up | (9/9) |
| Chen et al. (2021) | + | 0 | + | + | + | 0 | + | + | + | 7 |
| Matsubara et al. (2019) | + | 0 | + | + | + | 0 | + | + | 0 | 6 |
| Omori et al. (2019) | + | 0 | + | + | + | 0 | + | + | + | 7 |
| Sahakyan et al. (2019) | + | 0 | 0 | + | + | 0 | 0 | + | + | 5 |
| Okumura et al. (2014) | + | 0 | + | + | + | 0 | + | + | + | 6 |
| Keränen et al. (2013) | + | 0 | + | + | + | 0 | + | + | + | 7 |
| Ouchi et al. (1998) | + | 0 | 0 | + | + | 0 | + | + | + | 6 |

Supplementary figure 1. Risk of bias according to the Newcastle Ottawa scale for cohort studies