**Supplementary Table 1. Quality of included studies using New Castle-Ottawa scale**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Author, year | Selection | | | | Comparability | Outcome | | | Total |
| Representation of the exposed cohort | Selection of the non-exposed cohort | Ascertainment of exposure | Outcome was not present at the start of the study | Cohorts comparability based on design and analysis | Assessment of the outcome | Was follow-up long enough | Adequacy of follow-up of cohorts |
| Bucsics, 2015 |  | \* | \* | \* | \*\* | \* | \* | \* | 8 |
| Angeli, 2014 | \* | \* | \* | \* | \* | \* | \* | \* | 8 |
| Choi, 2014 |  | \* | \* | \* | \* | \* |  | \* | 6 |
| Scott, 2013 | \* | \* | \* | \* | \*\* | \* | \* | \* | 9 |
| Wong, 2013 | \* | \* | \* | \* | \* | \* |  | \* | 7 |
| Fagundes, 2013 | \* | \* | \* | \* | \* | \* | \* | \* | 8 |
| Piano, 2013 | \* | \* | \* | \* | \*\* | \* |  |  | 7 |
| Tsien, 2013 | \* | \* | \* | \* | \* | \* |  |  | 7 |
| Hung, 2012 |  | \* | \* | \* | \* | \* | \* | \* | 7 |
| Warner, 2011 |  | \* | \* | \* | \*\* | \* | \* | \* | 8 |
| Prakash, 2011 | \* | \* | \* | \* | \*\* | \* | \* | \* | 9 |
| Chen, 2011 |  | \* | \* | \* | \* | \* | \* | \* | 7 |
| Cholongitas, 2009 | \* | \* | \* | \* | \*\* | \* |  | \* | 8 |
| Cholongitas, 2009 b | \* | \* | \* | \* | \*\* | \* | \* | \* | 9 |
| du Cheyron, 2005 |  | \* | \* | \* | \*\* | \* | \* | \* | 7 |
| Hampel, 2001 |  | \* | \* | \* | \*\* | \* | \* | \* | 7 |
| Jindal, 2015 |  | \* | \* | \* | \*\* | \* | \* | \* | 7 |
| de Araujo, 2014 |  | \* | \* | \* | \*\* | \* | \* | \* | 8 |
| Bıyık, 2016 |  | \* | \* | \* | \*\* | \* | \* | \* | 8 |
| Jaques, 2018 | \* | \* | \* | \* | \*\* | \* | \* | \* | 9 |
| Nuthalapati, 2017 |  | \* | \* | \* | \* | \* | \* | \* | 7 |
| Marciano, 2017 |  | \* | \* | \* | \*\* | \* | \* | \* | 8 |
| Zhou, 2017 |  | \* | \* | \* | \* | \* | \* | \* | 7 |
| Pan, 2016 | \* | \* | \* | \* | \*\* | \* | \* | \* | 9 |
| Tandon, 2016 |  | \* | \* | \* | \*\* | \* | \* | \* | 9 |
| Maiwall, 2015 | \* | \* | \* | \* | \* | \* | \* | \* | 8 |
| Wong, 2017 | \* | \* | \* | \* | \* | \* | \* | \* | 8 |
| Huelin, 2017 | \* | \* | \* | \* | \* | \* | \* | \* | 8 |
| Shi, 2016 |  | \* | \* | \* | \* | \* | \* | \* | 7 |
| Hseih, 2017 |  | \* | \* | \* | \* | \* | \* |  | 6 |