**Table S1.** Summary of Newcastle-Ottawa risk of bias judgements for each study.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Study | Year | Selection | Comparability | Exposure | Total | AHQR Class |
| R. K. Pelz et al.  | 2002 | 3\* | 1\* | 2\* | 6\* | Good |
| L. F. Barat et al. | 2017 | 2\* | 2\* | 2\* | 6\* | Fair |
| B. J. Kopp et al.  | 2004 | 4\* | 1\* | 0\* | 6\* | Poor |
| R. Tedja et al. | 2014 | 3\* | 2\* | 3\* | 8\* | Good |
| P. O. Depuydt | 2008 | 3\* | 1\* | 2\* | 6\* | Good |
| I. M. Loeches et al. | 2014 | 2\* | 1\* | 2\* | 5\* | Fair |
| P. D. Mauldin et al.  | 2010 | 3\* | 1\* | 1\* | 5\* | Poor |
| J. J. Engemann et al. | 2003 | 2\* | 2\* | 2\* | 6\* | Fair |
| E. E. Magira et al. | 2017 | 3\* | 1\* | 3\* | 7\* | Good |
| Y. Carmeli et al.  | 1999 | 3\* | 2\* | 2\* | 7\* | Good |
| M. Riu et al.  | 2016 | 2\* | 1\* | 1\* | 4\* | Poor |
| R. R. Roberts et al.  | 2009 | 4\* | 1\* | 2\* | 7\* | Good |
| S.T. Micek et al.  | 2015 | 3\* | 1\* | 2\* | 6\* | Good |
| Z. Chen et al. | 2018 | 3\* | 2\* | 2\* | 7\* | Good |
| A. Resch et al.  | 2009 | 2\* | 1\* | 3\* | 6\* | Fair |
| M. J. Neidell et al. | 2012 | 3\* | 1\* | 1\* | 5\* | Poor |
| L. Puchter et al. | 2018 | 3\* | 1\* | 2\* | 6\* | Fair |
| R. Nelson et al. | 2018 | 3\* | 1\* | 2\* | 6\* | Fair |
| E. Cowie et al.  | 2005 | 2\* | 1\* | 1\* | 4\* | Poor |
| Bonnet et al. | 2019 | 4\* | 2\* | 2\* | 8\* | Good |

AHQR Class: Agency for Healthcare Research and Quality standards.