Supplementary Table 4. Newcastle–Ottawa scale for assessing the quality of cohort studies in meta-analysis.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **selection** |  |  |  | **Comparability** | **Exposure** |  |  |  |  |
| **Study** | **Year** | **1) Representativeness of the exposed cohort** | **2) Selection of the non exposed cohort** | **3) Ascertainment of exposure** | **4) Demonstration that outcome of interest was not present at start of study** | **1) Comparability of cohorts on the basis of the design or analysis** | **1) Assessment of outcome**  | **2) Was follow-up long enough for outcomes to occur** | **3) Adequacy of follow up of cohorts** | **Score** | **Note** |
| Y. R. Lawrence[1] | 2013 | 0 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 8 |  |
| Kevin M. Waters[2] | 2009 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 6 |  |
| Paola Ballotari[3] | 2017 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 6 |  |
| Gabriel Chodick[4] | 2010 | 1 | 0 | 1 | 1 | 2 | 1 | 1 | 1 | 7 |  |
| Carmen Rodriguez[5] | 2005 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 8 |  |
| C. M. Velicer[6] | 2007 | 1 | 1 | 1 | 1 | 2 | 1 | 0 | 1 | 7 |  |
| Michael F. Leitzmann[7] | 2008 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 8 |  |
| Konstantinos K. Tsilidis[8] | 2014 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 8 |  |
| Jocelyn S. Kasper[9] | 2009 | 0 | 1 | 1 | 1 | 2 | 0 | 1 | 1 | 7 |  |
| David J. Rosenberg[10] | 2002 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 6 |  |
| Aurora Perez-Cornago[11] | 2020 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 8 |  |
| Visalini Nair-Shalliker[12] | 2022 | 1 | 1 | 0 | 1 | 2 | 1 | 1 | 1 | 7 |  |
| Teemu J. Murtola[13] | 2018 | 1 | 1 | 0 | 1 | 2 | 1 | 1 | 0 | 6 |  |
| Jeanne A. Darbinian[14] | 2008 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 6 |  |
| Brook A. Calton[15] | 2007 | 1 | 1 | 1 | 1 | 2 | 0 | 1 | 1 | 7 |  |
| J. C. Will[16] | 1999 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 5 |  |
| Elizabeth A. Atchison[17] | 2011 | 0 | 1 | 1 | 0 | 2 | 1 | 1 | 1 | 7 |  |
| Birgitta Grundmark[18] | 2010 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 5 |  |
| Eric A. Miller[19] | 2018 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 8 |  |
| Hadith Rastad[20] | 2019 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 4 |  |
| Kozue Nakamura[21] | 2013 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 8 |  |
| Sheng-Hwu Hsieh[22] | 2014 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 4 |  |
| Bo Attner[23] | 2012 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 6 |  |
| H. O. Adami[24] | 1991 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 6 |  |
| Richard M. Martin[25] | 2009 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 8 |  |
| C. Wu[26] | 2011 | 1 | 0 | 1 | 0 | 2 | 1 | 0 | 1 | 5 |  |
| Dianna J. Magliano[27] | 2012 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 4 |  |
| Lauren P. Wallner[28] | 2011 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 5 |  |
| Bendix Carstensen[29] | 2016 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 4 |  |
| Mingyang Song[30] | 2020 | 0 | 1 | 1 | 1 | 2 | 0 | 1 | 0 | 6 |  |
| J.J. Walker [31] | 2013 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 5 | 　 |

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