**Supplementary material 3A: Risk of bias in cohort studies (Newcastle Ottawa Scale)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **SELECTION** | | | | **COMPARABILITY** | **OUTCOME** | |  |
| **STUDY / YEAR** | **Representativeness of exposed cohort \*\*** | **Selection of non-exposed cohort \*** | **Ascertainment of exposure \*\*** | **Demonstration that outcome of interest was not present at start of study \*** | **COMPARABILITY \*\*** | **Assessment of outcome\*** | **Adequacy of follow-up\*** | **Total Stars or # YES** |
| Cnattingius 2020 [41] | \* | \* | \* |  | \*\* | \* | \* | 7 |
| Zhang 2020 [42] | \* |  | \* |  |  | \* | \* | 4 |
| Zhong 2019 [15] | \* | \* | \* |  | \* | \* | \* | 6 |
| Ayrapetyan 2019 [43] |  |  | \* |  | \* | \* | \* | 4 |
| Bilimoria 2019 [13] | \* | \* | \* |  | \*\* | \* |  | 5 |
| Persson 2018 [25] | \* | \* | \* |  | \* | \* |  | 5 |
| Natarajan 2013 [14] | \* | \* | \* |  | \*\* | \* | \* | 7 |
| Nelson 2011 [26] | \* | \* | \* |  | \* | \* | \* | 6 |
| Haddad 2000 [44] |  |  | \* |  | \* | \* | \* | 4 |

Each star represent one point with comparability item allowing maximum of two stars.

**Supplementary material 3B: Risk of bias in case series and case reports (Joanna Brigg’s Institute Scale)**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **STUDY / YEAR** | **Clear inclusion criteria** | **Reliable, standard measurement of condition** | **Valid methods to identify the condition** | **Consecutive inclusion of participants** | **Complete inclusion of participants** | **Clear reporting of demographics** | **Clear reporting of clinical information of participants** | **Clear reporting of outcomes or follow up** | **Clear reporting of site or demographic information** | **Appropriate statistical analysis** | **Total YES** |
| Shibasaki, 2020 [45] | Y | Y | N | U | Y | Y | Y | N | U | Y | 6 |
| Sproat, 2017 [46] | Y | N | N | U | Y | Y | Y | Y | N | Y | 6 |
| Nanavati, 2015 [47] | Y | Y | N | U | N | Y | Y | Y | N | Y | 6 |
| Tokuhisa, 2015 [48] | Y | Y | Y | U | Y | Y | Y | N | Y | U | 7 |
| Shah, 2015 [12] | Y | Y | N | Y | Y | Y | Y | N | Y | Y | 8 |
| Kasdorf, 2015 [5] | Y | Y | N | U | U | Y | Y | N | Y | Y | 6 |
| Christensen, 2012 [49] | Y | Y | Y | U | U | Y | Y | N | N | Y | 6 |
| Landau, 2011 [50] | Y | Y | Y | U | U | Y | Y | N | N | Y | 6 |
| Jacobs, 2011 [51] | Y | Y | N | U | Y | Y | Y | Y | Y | Y | 8 |
| Sarkar, 2010 [8] | Y | Y | N | Y | Y | Y | Y | N | Y | Y | 8 |
| Laptook, 2009 [6] | Y | Y | Y | U | U | Y | Y | Y | Y | Y | 8 |
| Azzopardi, 2008 [52] | Y | Y | Y | U | U | Y | Y | N | Y | Y | 7 |
| Harrington, 2007 [4] | Y | Y | N | U | Y | Y | Y | N | N | Y | 6 |
| Patel, 2004 [7] | Y | N | N | U | U | N | Y | N | N | Y | 3 |
| Azzopardi, 2000 [53] | Y | Y | Y | U | Y | Y | Y | N | Y | Y | 8 |
| Casalaz, 1998 [3] | Y | Y | N | U | Y | Y | Y | N | Y | Y | 7 |
| Thornberg, 1995 [54] | Y | Y | N | U | Y | N | Y | N | N | Y | 5 |
| Socol, 1994 [55] | Y | N | N | U | Y | Y | Y | N | N | Y | 5 |
| Jain, 1991 [56] | Y | Y | N | Y | Y | N | Y | N | Y | Y | 7 |
| Koppe, 1984 [57] | N | N | N | U | Y | Y | Y | N | Y | Y | 5 |

Y: yes, N: No, U: unclear