**Supplementary Table­ 2A. Results of risk of bias assessment for cohort studies**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Study** | **Selectiona** | | | | **Comparabilityb** | **Outcomec** | | | **Risk of bias** |
|  | **SL1** | **SL2** | **SL3** | **SL4** | **CP** | **OC1** | **OC2** | **OC3** |  |
| Moore, 2004[32] | Low | Low | Low | Low | Low | Low | Unclear | Unclear | Unclear |
| Kantor, 2016[35] | Low | Low | Low | Low | Low | Low | Low | Low | Low |
| Levi, 2017[36] | Low | Low | Low | Low | Low | Low | Low | Low | Low |
| Glover, 2019[37],d | Low | Low | High | Unclear | Low | Low | NA | NA | High |
| Liu, 2019[38] | Low | Low | Low | Low | Low | Low | Low | Low | Low |
| Syed, 2019[39],d | Low | Low | High | Low | Low | Low | NA | NA | High |
| Dash, 2020[40] | Low | Low | Unclear | Low | Low | Low | Low | Low | Unclear |
| Elangovan,2020[41] d | Low | Low | High | Low | Low | Low | NA | NA | High |

**Abbreviations:** SL: Selection; CP: Comparability; OC: Outcome. NA: Not applicable.

a SL1: Representativeness of the exposed cohort; SL2: Selection of the non-exposed cohort; SL3: Ascertainment of exposure; SL4: Low risk of reverse causality.

b CP: Comparability of cohorts.

c OC1: Assessment of outcome; OC2: Adequate follow up length; OC3: Adequate follow up response (80%).

d A nested case-control study (OC2 and OC3 criteria are not applicable (NA) to these three studies).

**Supplementary Table­ 2B. Results of risk of bias assessment for case-control studies**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Study** | **Selectiona** | | | | **Comparabilityb** | **Exposurec** | | | **Risk of bias** |
|  | **SL1** | **SL2** | **SL3** | **SL4** | **CP** | **EP1** | **EP2** | **EP3** |  |
| Caan, 1998[30] | Low | Low | Low | Unclear | Low | Low | Low | High | High |
| Russo, 1998[31] | Low | Low | High | Low | Low | Low | Low | Unclear | High |
| Hou, 2006[33] | Low | Low | Low | Low | Low | Unclear | Low | Low | Unclear |
| Rosato, 2013[34] | Low | Low | High | Low | Low | Low | Low | Unclear | High |

**Abbreviations:** SL: Selection; CP: Comparability; EP: Exposure; NA: Not applicable.

a SL1: Adequate definition of cases; SL2: Representativeness of the cases; SL3: Selection of controls; SL4: Definition of controls.

b CP: Control or adjustment for important factors.

c EP1: Ascertainment of exposure; EP2: Same method of ascertainment for cases and controls; EP3: Non-response rate.