Supplemental Table 1. Newcastle-Ottawa Scale for quality assessment of observational studies

|  |  |  |
| --- | --- | --- |
| Study (first author, year) | Category | Conesus Rating |
| Akechi, 2010 | Participant Selection1 | \*\*\*\* |
| Comparabilityof Groups2 | \*\* |
| Outcome 3 | \*\* |
| Balci Sengul, 2014 | Participant Selection | \*\*\*\* |
| Comparability of Groups | \*\* |
| Outcome | \*\* |
| Ballard, 2016 | Participant Selection | \*\*\* |
| Comparability of Groups | N/A4 |
| Outcome | \*\* |
| Bobevski , 2018 | Participant Selection | \*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Brinkman, 2014 | Participant Selection | \*\*\*\* |
| Comparability of Groups | \* |
| Outcome | \*\* |
| Cheng, 2014 | Participant Selection | \*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \* |
| Choi, 2014 | Participant Selection | \*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Constantini, 2014 | Participant Selection | \*\*\*\*\* |
| Comparability of Groups | \*\* |
| Outcome | \*\* |
| Diaz-Frutos, 2016 | Participant Selection | \*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Dube, 2010 | Participant Selection | \*\*\* |
| Comparability of Groups | N/A |
| Outcome | \* |
| Fang, 2014 | Participant Selection | \*\*\*\* |
| Comparability of Groups | \*\* |
| Outcome | \*\* |
| Henry, 2018 | Participant Selection | \*\*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Hernandez Blazquez, 2016 | Participant Selection | \*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\*\* |
| Kim 2013 | Participant Selection | \*\*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Kim, 2013 | Participant Selection | \*\*\* |
| Comparability of Groups | \*\* |
| Outcome | \*\* |
| Kim, 2015 | Participant Selection | \*\*\*\*\* |
| Comparability of Groups | \*\* |
| Outcome | \*\* |
| Lee, 2014 | Participant Selection | \*\*\*\* |
| Comparability of Groups | \*\* |
| Outcome | \* |
| Leung, 2013 | Participant Selection | \*\*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Madeira, 2011 | Participant Selection | \*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \* |
| Moreno-Montoya, 2016 | Participant Selection | \*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Nanni, 2018 | Participant Selection | \*\*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Park, 2016 | Participant Selection | \*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Perry, 2018 | Participant Selection | \*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Pranckeviciene, 2016 | Participant Selection | \*\*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Recklitis, 2014 | Participant Selection | \*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Recklitis, 2010 | Participant Selection | \*\*\* |
| Comparability of Groups | \*\* |
| Outcome | \*\* |
| Shim, 2012 | Participant Selection | \*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Spencer, 2012 | Participant Selection | \*\*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Sun, 2011 | Participant Selection | \*\*\*\*\* |
| Comparability of Groups | \*\* |
| Outcome | \*\* |
| Sun, 2017 | Participant Selection | \*\*\* |
| Comparability of Groups | \*\* |
| Outcome | \*\* |
| Tang, 2017 | Participant Selection | \*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Tanriverdi, 2014 | Participant Selection | \*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Trevino, 2014 | Participant Selection | \*\*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Valikhani, 2018 | Participant Selection | \*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Vehling, 2017 | Participant Selection | \*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Walker, 2008 | Participant Selection | \*\*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Walker, 2010 | Participant Selection | \*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Zhang, 2017 | Participant Selection | \*\*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Zhong, 2017 | Participant Selection | \*\*\*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |
| Zhou, 2015 | Participant Selection | \*\*\* |
| Comparability of Groups | N/A |
| Outcome | \*\* |

1 Maximum of 5 stars possible

2 Maximum of 2 stars possible

3 Maximum of 3 stars possible

4 Not Applicable- no group comparisons included

Supplemental Table 2. Cochrane Collaboration’s tool for assessing risk of bias in clinical trials

|  |  |  |
| --- | --- | --- |
| Study | Type of bias | Consensus Rating |
| Fan, 2017 | Selection Bias- Random sequence generation | Low Risk |
| Selection Bias-Allocation concealment | Unclear Risk |
| Performance Bias- Blinding of participants and personnel | Low Risk |
| Detection Bias-Blinding of outcome assessment | High Risk |
| Attribution Bias- Incomplete outcome data | Low Risk |
| Reporting Bias-Selective Reporting | Low Risk |
| Hopko 2013 | Selection Bias- Random sequence generation | Unclear Risk |
| Selection Bias-Allocation concealment | Unclear Risk |
| Performance Bias- Blinding of participants and personnel | High Risk |
| Detection Bias-Blinding of outcome assessment | High Risk |
| Attribution Bias- Incomplete outcome data | Low Risk |
| Reporting Bias-Selective Reporting | Low Risk |
| Sun, 2017 | Selection Bias- Random sequence generation | Low Risk |
| Selection Bias-Allocation concealment | Low Risk |
| Performance Bias- Blinding of participants and personnel | High Risk |
| Detection Bias-Blinding of outcome assessment | High Risk |
| Attribution Bias- Incomplete outcome data | Low Risk |
| Reporting Bias-Selective Reporting | Low Risk |
| Xiao-Qui, 2015 | Selection Bias- Random sequence generation | Unclear Risk |
| Selection Bias-Allocation concealment | Unclear Risk |
| Performance Bias- Blinding of participants and personnel | High Risk |
| Detection Bias-Blinding of outcome assessment | High Risk |
| Attribution Bias- Incomplete outcome data | Unclear Risk |
| Reporting Bias-Selective Reporting | Unclear Risk |
| Xu, 2014 | Selection Bias- Random sequence generation | Unclear Risk |
| Selection Bias-Allocation concealment | Unclear Risk |
| Performance Bias- Blinding of participants and personnel | High Risk |
| Detection Bias-Blinding of outcome assessment | High Risk |
| Attribution Bias- Incomplete outcome data | Unclear Risk |
| Reporting Bias-Selective Reporting | Low Risk |

Supplemental Figure 1:Ovid Medline Search Strategy

|  |  |
| --- | --- |
|  | suicide\*.mp. |
|  | suicidal.mp. |
|  | exp suicide/ |
|  | suicide prevention/ |
|  | attempted suicide/ |
|  | suicidal ideation/ |
|  | or/1-6 |
|  | ideation.mp. |
|  | ideate.mp. |
|  | thought\*.mp. |
|  | risk\*.mp. |
|  | profile\*.mp. |
|  | attempt\*.mp. |
|  | exp risk assessment/ |
|  | risk factors/ |
|  | or/8-15 |
|  | (cancer adj1 survivor\*).mp. |
|  | (cancer adj1 patient\*).mp. |
|  | (oncology adj1 patient\*).mp. |
|  | exp Neoplasms/ and (exp Survivors/ or exp patients/) |
|  | or/17-20 |
|  | 7 and 16 and 21 |