**Supplementary table 4 JBI MASTARI CRITICAL APPRAISAL OF QUANTITATIVE EVIDENCE**

**DESCRIPTIVE/CASE SERIES**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Author and date | Question 1 | Question 2 | Question 3 | Question 4 | Question 5 | Question 6 | Question 7 | Question 8 | Question 9 |
| Kessler et al 2019 | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| Poncet et al 2017 | NO | YES | YES | YES | N/A | YES | YES | YES | YES |
| Marrie et al 2013 | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| Minden et al 2013 | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| Normann et al 2012 | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| Stepleman et al 2016 | NO | YES | NO | YES | N/A | YES | NO | NO | YES |
| Bueken et al 2012 | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| Swaine et al 2017 | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| Van de Eijke 2012 | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| Van de Eijke 2015 | YES | YES | YES | YES | NO | YES | YES | YES | YES |

**COHORT/CASE CONTROL**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Author and date | Question 1 | Question 2 | Question 3 | Question 4 | Question 5 | Question 6 | Question 7 | Question 8 | Question 9 |
| Prescott et al 2019 | YES | YES | N/A | YES | YES | NO | YES | YES | YES |
| Schonberger et al 2006 | YES | NO | N/A | YES | YES | YES | YES | YES | YES |
| Rosti Ostarjarvi et al 2014 | YES | YES | N/A | YES | YES | Unsure | NO | YES | YES |

**RANDOMISED AND QUAZI - RANDOMIZED CONTROLLED TRIALS**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Author and date | Question 1 | Question 2 | Question 3 | Question 4 | Question 5 | Question 6 | Question 7 | Question 8 | Question 9 | Question 10 |
| Connor et al 2019 | YES | YES\* | YES | NO | YES | YES | YES | YES | YES | YES |
| Ehde et al 2015 | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| Eyssen et al 2013 | YES | YES | YES | YES | YES | NO | YES | YES | YES | YES |

\*Until after consent

**RANDOMISED AND QUAZI - RANDOMIZED CONTROLLED TRIALS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| QUESTIONS | | YES | NO | UNSURE |
| 1 | Is the sample representative of patients in the population as a whole? |  |  |  |
| 2 | Are the patients at a similar point in the course of their condition/illness? |  |  |  |
| 3 | Has bias been minimized in relation to selection of cases and controls? |  |  |  |
| 4. | Are confounding factors identified and strategies to deal with them stated? |  |  |  |
| 5. | Are outcomes assessed using objective criteria? |  |  |  |
| 6. | Is follow up carried out over a sufficient time period? |  |  |  |
| 7. | Are the outcomes of people who withdrew described and included in the analysis? |  |  |  |
| 8. | Are outcomes measured in a reliable way? |  |  |  |
| 9. | Is appropriate statistical analysis used? |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IQUESTIONS | | YES | NO | UNSURE |
| 1 | Is the assignment to treatment groups random? |  |  |  |
| 2 | Are participants blinded to treatment allocation? |  |  |  |
| 3 | Is allocation to the treatment groups concealed from the allocator? |  |  |  |
| 4. | Are the outcomes of people who withdrew described and included in the analysis? |  |  |  |
| 5. | Are those assessing the outcomes blind to the treatment allocation? |  |  |  |
| 6. | Are the control and treatment groups comparable at entry? |  |  |  |
| 7. | Are groups treated identically other than the named intervention? |  |  |  |
| 8. | Are outcomes measured in the same way for all groups? |  |  |  |
| 9. | Are outcomes measured in a reliable way? |  |  |  |
| 10. | Is appropriate statistical analysis used? |  |  |  |

**COHORT (CASE CONTROL)**

**DESCRIPTIVE/CASE SERIES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IQUESTIONS | | YES/ | NO | UNSURE |
| 1 | Is the study based on a random or pseudo – random sample? |  |  |  |
| 2 | Are the criteria for inclusion in the sample clearly defined? |  |  |  |
| 3 | Are confounding factors identified and strategies to deal with them stated? |  |  |  |
| 4. | Are outcomes assessed using objective criteria? |  |  |  |
| 5. | If comparisons are being made, is there sufficient description of groups? |  |  |  |
| 6. | Is follow-up carried out over a sufficient time period? |  |  |  |
| 7. | Are the outcomes of people who withdraw described and included in the analysis? |  |  |  |
| 8. | Are outcomes measured in a reliable way? |  |  |  |
| 9. | Is appropriate statistical analysis used? |  |  |  |

Aromataris E, Munn Z (Editors)*.* JBI Manual for Evidence Synthesis.JBI, 2020. Available from <https://synthesismanual.jbi.global>