**Table S4.** National Heart, Lung, and Blood Institute Quality Assessment Tool for Observational Cohort and Cross-Sectional Studies, to measure risk of bias in the studies included in the systematic review. CD: cannot determine; NA: not applicable; NR: not reported.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Paper quality |
| Osse 2009 (70) | yes | no | NR | yes | no | yes | yes | yes | yes | yes | yes | yes | NA | no | Good |
| Osse 2008 (32) | yes | no | NR | yes | no | yes | yes | no | yes | yes | yes | yes | NA | no | Good |
| Van Uitert 2011 (67) | yes | no | NR | yes | no | yes | CD | no | yes | yes | yes | yes | NA | no | Low |
| Honma 1998 (52) | yes | no | NR | yes | no | yes | CD | NA | yes | yes | yes | yes | NA | NA | Low |
| Eeles 2009 (71) | yes | yes | NR | yes | no | yes | CD | yes | yes | yes | yes | yes | NA | no | Low |
| Jacobson 2008 (51) | yes | yes | NR | yes | no | yes | CD | no | yes | yes | yes | yes | NA | no | Low |
| Leung 2015 (72) | yes | yes | NR | yes | no | yes | yes | no | yes | yes | yes | yes | NA | no | Fair |
| Todd 2017 (59) | yes | yes | NR | yes | no | no | CD | no | yes | yes | yes | yes | yes | no | Good |
| Godfrey 2009 (63) | yes | no | NR | yes | no | no | CD | yes | yes | no | yes | yes | NA | no | Fair |
| Godfrey 2008 (65) | yes | no | NR | yes | no | no | CD | yes | yes | no | yes | yes | NA | no | Low |
| Godfrey 2009 (62) | yes | no | NR | yes | no | no | CD | yes | yes | no | yes | yes | NA | no | Fair |
| Godfrey 2010 (60) | yes | no | NR | yes | no | no | CD | yes | yes | no | yes | yes | NA | no | Fair |
| Godfrey 2009 (64) | Yes | no | NR | yes | no | no | CD | yes | yes | no | yes | yes | NA | no | Fair |
| Leonard 2007 (61) | Yes | no | NR | yes | no | no | CD | yes | yes | no | yes | yes | NA | no | Low |

None of the studies had adjusted statistically for the impact of key potential confounding variables on the relationship between exposure and outcome(s) or the participation rate of eligible patients. Also, none of the studies mentioned the size justification, power description, or variance and effect estimates.