**Supplemental Table 1 Summary of findings for the main comparison**

| **Summary of findings for the main comparison** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Desflurane compared to sevoflurane in ambulatory surgery** | | | | | | |
| **Patient or population**: Adults or paediatrics, receiving general anaesthesia, non-sedation procedure  **Setting**: ambulatory surgery  **Intervention**: Desflurane  **Comparison**: Sevoflurane | | | | | | |
| Outcomes | **Anticipated absolute effects\*** (95% CI) | | Relative effect (95% CI) | № of participants  (studies) | Certainty of the evidence (GRADE) | Comments |
| 1. **Risk with Sevoflurane** | 1. **Risk with Desflurane** |
| adverse respiratory events | 128 per 1,000 | **207 per 1,000** (147 to 292) | **RR 1.59** (1.15 to 2.20) | 1267 (13 RCTs) | ⨁⨁◯◯ LOW a |  |
| emergence agitation | 272 per 1,000 | **285 per 1,000** (228 to 353) | **RR 1.05** (0.84 to 1.30) | 626 (5 RCTs) | ⨁⨁◯◯ LOW a |  |
| PONV | 210 per 1,000 | **191 per 1,000** (158 to 233) | **RR 0.95** (0.71 to 1.26) | 989 (9 RCTs) | ⨁⨁◯◯ LOW a |  |
| time to eye open | - | WMD **3.32 lower** (4.02 lower to 2.61 lower) | - | 1070 (11 RCTs) | ⨁◯◯◯ VERY LOW a,b |  |
| time to discharge from operation room | - | WMD **0.45 lower** (5.89 lower to 4.99 higher) | - | 1055 (10 RCTs) | ⨁◯◯◯ VERY LOW a,b |  |
| \***The risk in the intervention group** (and its 95% confidence interval) is based on the assumed risk in the comparison group and the **relative effect** of the intervention (and its 95% CI).   **CI:** Confidence interval; **RR:** Risk ratio; **WMD:** Weighted mean difference | | | | | | |
| **GRADE Working Group grades of evidence** **High certainty:** We are very confident that the true effect lies close to that of the estimate of the effect **Moderate certainty:** We are moderately confident in the effect estimate: The true effect is likely to be close to the estimate of the effect, but there is a possibility that it is substantially different **Low certainty:** Our confidence in the effect estimate is limited: The true effect may be substantially different from the estimate of the effect **Very low certainty:** We have very little confidence in the effect estimate: The true effect is likely to be substantially different from the estimate of effect | | | | | | |

**Explanations**

a. Most studies have low or unclear overall RoB, but more than 25%(4 of 13) studies are with high overall risk of RoB.

b. The I square is more than 50%.