**Summary of findings:**

**Magnesium compared to placebo for incidence of shivering for reducing the incidence of shivering in surgical patients**

**Patient or population:** reducing the incidence of shivering in surgical patients

**Setting:**

**Intervention:** magnesium

**Comparison:** placebo for incidence of shivering

<table>
<thead>
<tr>
<th>Outcomes</th>
<th>Anticipated absolute effects* (95% CI)</th>
<th>Relative effect (95% CI)</th>
<th>No of participants (studies)</th>
<th>Certainty of the evidence (GRADE)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Risk with placebo for incidence of shivering</td>
<td>Risk with magnesium</td>
<td>RR</td>
<td>No. of participants</td>
<td>CI:</td>
</tr>
<tr>
<td>shivering - intravenous</td>
<td>285 per 1,000</td>
<td>111 per 1,000 (83 to 154)</td>
<td>RR 0.39 (0.29 to 0.54)</td>
<td>2124 (35 RCTs)</td>
<td>☐☐☐☐ MODERATE a,b</td>
</tr>
<tr>
<td>shivering - epidural</td>
<td>205 per 1,000</td>
<td>49 per 1,000 (27 to 88)</td>
<td>RR 0.24 (0.13 to 0.43)</td>
<td>880 (12 RCTs)</td>
<td>☒☐☐☐ LOW b,c</td>
</tr>
<tr>
<td>shivering - intrathecal</td>
<td>139 per 1,000</td>
<td>89 per 1,000 (60 to 133)</td>
<td>RR 0.64 (0.43 to 0.96)</td>
<td>1120 (16 RCTs)</td>
<td>☐☐☐☐ MODERATE c</td>
</tr>
</tbody>
</table>

*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

**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. I2 was zero when analysis was limited to studies with low risk of bias.
b. Funnel plot is assymetrical.
c. Z-cumulative curve did not cross the Trial -Sequential monitoring boundary.