Hyperthermia (>37.9 C) while rewarming on cardiopulmonary bypass is potentially harmful and should be avoided.

<table>
<thead>
<tr>
<th>Class (Strength) of Recommendation</th>
<th>Class III: Harm (Strong)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level (Quality) of Evidence</td>
<td>Level B-R (Randomized)</td>
</tr>
</tbody>
</table>

**Main Points**

- Cerebral hyperthermia following cardiac surgery is associated with neurologic injury and dysfunction.

- Hyperthermia has also been associated with increased rates of mediastinitis and postoperative acute renal failure.

- Limiting the maximum target temperature during the rewarming following CPB can prevent cerebral hyperthermia without significant adverse events.

**Key References**


