**Question:** Should ibuprofen vs control be used for reducing vaccine injection pain in people of all ages?

**Settings:** hospital

**Bibliography:** Smith 1996

<table>
<thead>
<tr>
<th>Quality assessment</th>
<th>No of patients</th>
<th>Effect</th>
<th>Quality</th>
<th>Importance</th>
</tr>
</thead>
<tbody>
<tr>
<td>No of studies</td>
<td>Design</td>
<td>Risk of bias</td>
<td>Inconsistency</td>
<td>Indirectness</td>
</tr>
<tr>
<td>1</td>
<td>randomised trials</td>
<td>no serious risk of bias</td>
<td>no serious inconsistency</td>
<td>very serious²</td>
</tr>
</tbody>
</table>

**Pain** (measured with: validated tool (Visual Analog Scale, 0-100); Better indicated by lower values)

1  

**Fear, Distress, Safety, Vaccine Compliance, Preference, Satisfaction** (assessed with: no data were identified for this important outcome)

0  

¹ Cross-over trial  
² Includes adults undergoing venipuncture; ibuprofen 5% cream administered topically; comparison group was lidocaine-prilocaine 5% cream  
³ Sample size was below the recommended optimum information size (OIS) of 400 for an effect size of 0.2.