The Ottawa Knee Rules accurately identified fractures in children with knee injuries

Jeanette Robertson

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Main results
70 children (9%) had fractures. Sensitivity, specificity, and positive and negative likelihood ratios of the OKR for identifying knee fractures in children are displayed in the table according to age.

Conclusions
The Ottawa Knee Rules accurately identified fractures in children presenting to the emergency department with a knee injury.

Operating characteristics of the Ottawa Knee Rules for identifying knee fractures in children according to age*

<table>
<thead>
<tr>
<th>Age groups</th>
<th>Sensitivity (95% CI)</th>
<th>Specificity (CI)</th>
<th>+LR</th>
<th>−LR</th>
</tr>
</thead>
<tbody>
<tr>
<td>2–5 y (n = 45)</td>
<td>100% (48 to 100)</td>
<td>60% (43 to 75)</td>
<td>2.5</td>
<td>0</td>
</tr>
<tr>
<td>6–12 y (n = 375)</td>
<td>100% (89 to 100)</td>
<td>47% (42 to 52)</td>
<td>1.9</td>
<td>0</td>
</tr>
<tr>
<td>13–16 y (n = 330)</td>
<td>100% (90 to 100)</td>
<td>36% (30 to 41)</td>
<td>1.6</td>
<td>0</td>
</tr>
<tr>
<td>All children (n = 750)</td>
<td>100% (95 to 100)</td>
<td>43% (39 to 47)</td>
<td>1.7</td>
<td>0</td>
</tr>
</tbody>
</table>

*LR = likelihood ratio. Diagnostic terms defined in glossary. −LRS calculated from data in article.