Economic Plan

This document identifies the areas prioritised for economic modelling. The final analysis may differ from those described below. The rationale for any differences will be explained in the guideline.

1 Guideline
Head injury: triage, assessment and early management of head injury in infants, children and adults (Head Injury)

2 List of Modelling Questions

<table>
<thead>
<tr>
<th>Clinical questions by scope area</th>
<th>Population</th>
<th>Interventions considered for inclusion</th>
<th>Type of analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary analysis:</td>
<td>Infants, children and adults with head injury and suspected cervical spine injury</td>
<td>Primary analysis:</td>
<td>Cost Effectiveness Analysis.</td>
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<tr>
<td></td>
<td></td>
<td>1. No Imaging</td>
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<td></td>
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<td>2. CT scan on all</td>
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<td>3. X-ray scan on all</td>
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<td></td>
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<td>4. CT according to NEXUS Rule</td>
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<td>5. X-ray according to NEXUS Rule</td>
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<td>6. CT according to Canadian C Spine Rule</td>
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<td></td>
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<td>7. X-ray according to Canadian C Spine Rule</td>
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<tr>
<td>Within sensitivity analysis:</td>
<td></td>
<td>1. No further imaging</td>
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<td>2. Further imaging for indeterminate CT and X-ray results only</td>
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<td></td>
<td>3. Further imaging for both negative and indeterminate CT and X-ray results</td>
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</table>

What is the best clinical decision rule for selecting adults, infants and children with head injury for initial imaging with plain X-rays or CT scan for cervical spine injury?

Within sensitivity analysis:
1. What is the best clinical decision rule for selecting adults, infants and children with head injury, who have received a negative X-ray of the cervical spine, for further imaging with CT or MRI scan for cervical spine injury?
2. What is the best clinical decision rule for selecting adults, infants and children with head injury, who have received a negative CT cervical spine scan, for further imaging with MRI scan for cervical spine injury?