Pediatric Liver/Spleen Injury Management Guidelines

CT
Liver and/or Spleen injury noted

Hemodynamically normal*

- Single Organ - Grade 1 or 2
  - Bedrest for 1 night

- Single Organ - Grade 3, 4, or 5
  - Bedrest for 2 nights

- More than 1 organ injured (any grade)
  - Utilize the highest grade to determine bedrest

  IF patient requires a blood transfusion the period of observation/bedrest will be reset to time zero at point of transfusion.

  **Activity restriction = NO gym, contact sports, or other high speed activities

Hemodynamically NOT normal*

- Admit to the PICU
  - Strict bedrest
  - Q6 H/H until stable (90% of previous lab)
  - Blood for Type and Screen
  - Continuous CV monitoring

- Admit to the Ward
  - Strict bedrest
  - Q6 H/H until stable (90% of previous lab)
  - VS Q2hr x 2 then Q4hr x 4 then Q8hr if stable

  - H/H 4 hours after ambulation
  - Discharge to home if H/H is stable, reassuring abdominal exam and resolution of ileus.
  - 2 week f/u with pediatric trauma
  - Activity restriction** for grade of injury + 2 weeks

**Normal Pediatric Vital Signs**

<table>
<thead>
<tr>
<th>Age (years)</th>
<th>HR</th>
<th>Capillary Refill</th>
<th>Systolic BP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td>&lt;130 bpm</td>
<td>&lt;2 sec</td>
<td>&gt;70</td>
</tr>
<tr>
<td>3-10</td>
<td>&lt;115 bpm</td>
<td>&lt;2 sec</td>
<td>&gt;80</td>
</tr>
<tr>
<td>11-18</td>
<td>&lt;100 bpm</td>
<td>&lt;2 sec</td>
<td>&gt;90</td>
</tr>
</tbody>
</table>