The Laboratory Risk Indicator for Necrotizing Fasciitis (LRINEC) score

A score greater than 6 indicates that necrotizing fasciitis should be seriously considered. The scoring criteria are as follows:

- CRP (mg/L) ≥150: 4 points
- WBC count (×10⁶/mm³)
  - <15: 0 points
  - 15–25: 1 point
  - >25: 2 points
- Hemoglobin (g/dL)
  - >13.5: 0 points
  - 11–13.5: 1 point
  - <11: 2 points
- Sodium (mmol/L) <135: 2 points
- Creatinine (umol/L) >141: 2 points
- Glucose (mmol/L) >10: 1 point

The cutoff value for the LRINEC score was 6 points with a positive predictive value of 92.0% and negative predictive value of 96.0%.

*Wong et al Crit Care Med 2004; 32: 1535

**TABLE 3. NSTI Scoring System**

<table>
<thead>
<tr>
<th>Variable</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fascial air</td>
<td>5</td>
</tr>
<tr>
<td>Muscle/fascial edema</td>
<td>4</td>
</tr>
<tr>
<td>Fluid tracking</td>
<td>3</td>
</tr>
<tr>
<td>Lymphadenopathy</td>
<td>2</td>
</tr>
<tr>
<td>Subcutaneous edema</td>
<td>1</td>
</tr>
</tbody>
</table>

Validation parameters for a score of >6 points included sensitivity (86.3%), specificity (91.5%), negative predictive value (NPV) (85.5%), and positive predictive value (PPV) (63.3%). Validation parameters for fascial air alone yielded a sensitivity of 44.1%, specificity 61.1%, NPV 35.2%, and PPV 58.9%.

*McGillicuddy et al J Trauma 2011; 70: 894