# KIDNEY INJURY SCALE

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
<th>AIS Severity</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Subcapsular hematoma and/or parenchymal contusion without laceration</td>
<td>2</td>
</tr>
<tr>
<td>II</td>
<td>Perirenal hematoma confined to Gerota fascia Renal parenchymal laceration ≤1 cm depth without urinary extravasation</td>
<td>2</td>
</tr>
<tr>
<td>III</td>
<td>Renal parenchymal laceration &gt;1 cm depth without collecting system rupture or urinary extravasation Any injury in the presence of a kidney vascular injury or active bleeding contained within Gerota fascia</td>
<td>3</td>
</tr>
<tr>
<td>IV</td>
<td>Parenchymal laceration extending into urinary collecting system with urinary extravasation Renal pelvis laceration and/or complete ureteropelvic disruption Segmental renal vein or artery injury Active bleeding beyond Gerota fascia into the retroperitoneum or peritoneum Segmental or complete kidney infarction(s) due to vessel thrombosis without active bleeding</td>
<td>4</td>
</tr>
<tr>
<td>V</td>
<td>Main renal artery or vein laceration or avulsion of hilum Devascularized kidney with active bleeding Shattered kidney with loss of identifiable parenchymal renal anatomy</td>
<td>5</td>
</tr>
</tbody>
</table>

## Laceration- NOS Degree
- Laceration of left / right / unspecified kidney, NOS degree, initial encounter
  - ICD-10: S37.032A, S37.031A, S37.039A
  - AIS-2005: 541620.2

## MINOR - kidney contusion - NFS
- Minor contusion of left/ right / unspecified kidney, initial encounter
  - ICD-10: S37.012A, S37.011A, S37.019A
  - AIS-2005: 541610.2

## MINOR - kidney contusion - subcapsular non-expanding, confined; minor
- Minor contusion of left / right / unspecified kidney, initial encounter
  - ICD-10: S37.012A, S37.011A, S37.019A
  - AIS-2005: 541612.2

## MAJOR - kidney contusion - subcapsular GT 50% surface/expanding; major; large
- Minor laceration of left / right / unspecified kidney, initial encounter
  - ICD-10: S37.022A, S37.021A, S37.029A
  - AIS-2005: 541614.3

## MINOR (less than 1 cm) - kidney lac - LEQ 1 cm depth of cortex; no urinary extravasation; minor
- Minor laceration of left / right / unspecified kidney, initial encounter
  - ICD-10: S37.042A, S37.041A, S37.049A
  - AIS-2005: 541622.2

## MODERATE (1 to 3 cm) - kidney lac - GT 1 cm depth of cortex, no urinary extravasation; moderate
- Moderate laceration of left / right / unspecified kidney, initial encounter
  - ICD-10: S37.052A, S37.051A, S37.059A
  - AIS-2005: 541624.3

## MULTIPLE MODERATE (1 to 3 cm) - kidney lac - extending thru cortex/medulla/collecting system; major
- Major laceration of left / right / unspecified kidney, initial encounter
  - ICD-10: S37.062A, S37.061A, S37.069A
  - AIS-2005: 541626.4

## MAJOR (greater than 3 cm) (massive) (stellate) - kidney lac - extending thru cortex/medulla/collecting system; major
- Major laceration of left / right / unspecified kidney, initial encounter
  - ICD-10: S37.062A, S37.061A, S37.069A
  - AIS-2005: 541628.5

**KIDNEY RUPTURE (use “rupture” only when a more detailed description is not available)**
- Left / Right / Unspecified
  - ICD-10: S37.062A
  - AIS-2005: 541640.4