American College of Radiology  
ACR Appropriateness Criteria®  

Pulsatile Abdominal Mass, Suspected Abdominal Aortic Aneurysm

**Variant 1:**  Pulsatile abdominal mass, suspected abdominal aortic aneurysm.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Appropriateness Category</th>
<th>SOE</th>
<th>Adults RRL</th>
<th>Peds RRL</th>
<th>Rating</th>
<th>Median</th>
<th>Final Tabulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>US aorta abdomen</td>
<td>Usually appropriate</td>
<td></td>
<td>0 mSv</td>
<td>0 mSv [ped]</td>
<td>9</td>
<td>n/a</td>
<td>0 0 0 0 0 0 0 0 0</td>
</tr>
<tr>
<td>CTA abdomen with IV contrast</td>
<td>Usually appropriate</td>
<td>✭✭✭ 1-10 mSv</td>
<td></td>
<td></td>
<td>8</td>
<td>n/a</td>
<td>0 0 0 0 0 0 0 0 0</td>
</tr>
<tr>
<td>MRA abdomen without and with IV contrast</td>
<td>Usually appropriate</td>
<td></td>
<td>0 mSv</td>
<td>0 mSv [ped]</td>
<td>8</td>
<td>n/a</td>
<td>0 0 0 0 0 0 0 0 0</td>
</tr>
<tr>
<td>CT abdomen without IV contrast</td>
<td>Usually appropriate</td>
<td>✭✭✭ 1-10 mSv</td>
<td>✭✭✭✭ 3-10 mSv [ped]</td>
<td>7</td>
<td>n/a</td>
<td>0 0 0 0 0 0 0 0 0</td>
<td></td>
</tr>
<tr>
<td>MRA abdomen without IV contrast</td>
<td>Usually appropriate</td>
<td></td>
<td>0 mSv</td>
<td>0 mSv [ped]</td>
<td>7</td>
<td>n/a</td>
<td>0 0 0 0 0 0 0 0 0</td>
</tr>
<tr>
<td>CT abdomen without and with IV contrast</td>
<td>Usually appropriate</td>
<td>✭✭✭✭ 10-30 mSv</td>
<td>✭✭✭✭ 10-30 mSv [ped]</td>
<td>7</td>
<td>n/a</td>
<td>0 0 0 0 0 0 0 0 0</td>
<td></td>
</tr>
<tr>
<td>CT abdomen with IV contrast</td>
<td>Usually appropriate</td>
<td>✭✭✭ 1-10 mSv</td>
<td>✭✭✭✭ 3-10 mSv [ped]</td>
<td>7</td>
<td>n/a</td>
<td>0 0 0 0 0 0 0 0 0</td>
<td></td>
</tr>
<tr>
<td>Aortography abdomen</td>
<td>May be appropriate</td>
<td></td>
<td>✭✭✭ 1-10 mSv</td>
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<td>4</td>
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</tr>
<tr>
<td>FDG-PET/CT abdomen</td>
<td>Usually not appropriate</td>
<td></td>
<td>✭✭✭✭ 10-30 mSv</td>
<td></td>
<td>2</td>
<td>n/a</td>
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</tr>
</tbody>
</table>
Please refer to the supporting documentation for a more complete discussion of the concepts and their definitions below.

**Final Tabulations:**
A histogram of the number of panel members who rated the recommendation as noted in the column heading (ie, 1, 2, 3, …etc.)

**Disagree:**
The variation of the individual ratings from the median rating indicates panel disagreement on the final recommendation.

**References:**
Lists the references associated with the recommendation.

**SQ:**
Study Quality (1, 2, 3, 4, Good M or Inadequate M) of the references listed.

**RRL:**
Information on the Relative Radiation Level (RRL) designations can be found here.