# American College of Radiology

**ACR Appropriateness Criteria®**

**Abdominal Aortic Aneurysm: Interventional Planning and Follow-up**

**Variant 1:** Planning for pre-endovascular repair (EVAR) or open repair of AAA.

<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>
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References

Study Quality
## Variant 2: Follow-up for post-endovascular repair (EVAR) or open repair of AAA.

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### References

**Study Quality**

- **US duplex Doppler aorta abdomen**: Usually not appropriate
  - 0 mSv
  - 0 mSv [ped]
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  - **3**
  - **0**
  - **7**
  - **0**
  - **2**
  - **0**
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- **US duplex Doppler aorta abdomen with duplex Doppler**: Usually not appropriate
  - 10-30 mSv
  - 10-30 mSv [ped]
  - **3**
  - **3**
  - **3**
  - **7**
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  - **7**
  - **4**
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  - **1**
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- **Radiography abdomen and pelvis**: Usually not appropriate
  - 1-10 mSv
  - 0.3-3 mSv [ped]
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  - **1**
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  - **2**
  - **3**
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  - **1**
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  - **0**

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  - May be appropriate
  - 10-30 mSv
  - 10-30 mSv [ped]
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  - **4**
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  - **1**
  - **6**
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  - **5**
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- **MRA abdomen and pelvis without IV contrast**
  - May be appropriate
  - 0 mSv
  - 0 mSv [ped]
  - **6**
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- **MRA abdomen and pelvis without and with IV contrast**
  - Usually not appropriate
  - 10-30 mSv
  - 3-10 mSv [ped]
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- **US duplex Doppler aorta abdomen**
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**Final Tabulations**

- **1**
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<td>May be appropriate</td>
<td>☢☢☢☢ 10-30 mSv</td>
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| CT abdomen and pelvis without IV contrast          | May be appropriate                  | ☢☢☢ 1-10 mSv                         |
| CT abdomen and pelvis with IV contrast             | May be appropriate                  | ☢☢☢ 10-30 mSv [ped]                 |
| Radiography abdomen and pelvis                     | May be appropriate                  | ☢☢☢ 0.3-3 mSv [ped]                 |

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Study Quality

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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 (i.e., 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](#).