### Imaging of Deep Inferior Epigastric Arteries for Surgical Planning (Breast Reconstruction Surgery)

#### Variant 1: Imaging of deep inferior epigastric arteries for surgical planning (breast reconstruction surgery).

<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>CTA abdomen and pelvis with IV contrast</td>
<td>Usually appropriate</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>MRA abdomen and pelvis without and with IV contrast</td>
<td>Usually appropriate</td>
<td>0</td>
<td>0 [ped]</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>MRA abdomen and pelvis without IV contrast</td>
<td>May be appropriate</td>
<td>0</td>
<td>0 [ped]</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
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<tr>
<td>CT abdomen and pelvis with IV contrast</td>
<td>Usually not appropriate</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Arteriography abdomen and pelvis</td>
<td>Usually not appropriate</td>
<td>3</td>
<td>3</td>
<td>3</td>
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<tr>
<td>US color Doppler abdomen and pelvis</td>
<td>Usually not appropriate</td>
<td>0</td>
<td>0 [ped]</td>
<td>0</td>
<td>1</td>
<td>1</td>
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</tbody>
</table>

**References**

**Study Quality**

- **CTA abdomen and pelvis with IV contrast**
  - Usually appropriate
  - SOE: 3
  - Adults RRL: 3
  - Peds RRL: 3
  - Rating: 4
  - Median: 4
  - Final Tabulations: 3

- **MRA abdomen and pelvis without and with IV contrast**
  - Usually appropriate
  - SOE: 0 [ped]
  - Adults RRL: 0
  - Peds RRL: 0
  - Rating: 1
  - Median: 1
  - Final Tabulations: 1

- **MRA abdomen and pelvis without IV contrast**
  - May be appropriate
  - SOE: 0 [ped]
  - Adults RRL: 0
  - Peds RRL: 0
  - Rating: 2
  - Median: 2
  - Final Tabulations: 2

- **CT abdomen and pelvis with IV contrast**
  - Usually not appropriate
  - SOE: 3
  - Adults RRL: 3
  - Peds RRL: 3
  - Rating: 4
  - Median: 4
  - Final Tabulations: 4

- **Arteriography abdomen and pelvis**
  - Usually not appropriate
  - SOE: 3
  - Adults RRL: 3
  - Peds RRL: 3
  - Rating: 4
  - Median: 4
  - Final Tabulations: 4

- **US color Doppler abdomen and pelvis**
  - Usually not appropriate
  - SOE: 0 [ped]
  - Adults RRL: 0
  - Peds RRL: 0
  - Rating: 1
  - Median: 1
  - Final Tabulations: 1

**American College of Radiology**

**ACR Appropriateness Criteria®**
<table>
<thead>
<tr>
<th>Procedure</th>
<th>Appropriateness</th>
<th>Radiation Dose</th>
<th>Study Quality</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRI abdomen and pelvis without IV contrast</td>
<td>Usually not appropriate</td>
<td>0 0 mSv</td>
<td>2 2 5 3 2 3 0 0 0 0</td>
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<tr>
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<td>0 0 mSv</td>
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<tr>
<td>CT abdomen and pelvis without IV contrast</td>
<td>Usually not appropriate</td>
<td>1-10 mSv</td>
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<td>10-30 mSv</td>
<td>2 2 2 6 3 0 1 0 0 1 0</td>
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</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 (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](#).