## Imaging of Mesenteric Ischemia

### Variant 1: Suspected acute mesenteric ischemia. Initial imaging.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Appropriateness Category</th>
<th>SOE</th>
<th>RRL</th>
<th>Panel Rating</th>
<th>Group Median Rating</th>
<th>Final Tabulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT abdomen and pelvis with IV contrast</td>
<td>May be appropriate</td>
<td></td>
<td>☢☢☢☢ 10-30 mSv ☢☢☢☢ 3-10 mSv [ped]</td>
<td>6</td>
<td>n/a</td>
<td>0 0 0 0 0 0 0 0 0</td>
</tr>
<tr>
<td>CT abdomen and pelvis without IV contrast</td>
<td>Usually not appropriate</td>
<td></td>
<td>☢☢☢☢ 10-30 mSv ☢☢☢☢ 3-10 mSv [ped]</td>
<td>3</td>
<td>n/a</td>
<td>0 0 0 0 0 0 0 0 0</td>
</tr>
<tr>
<td>CT abdomen and pelvis without and with IV contrast</td>
<td>Usually not appropriate</td>
<td></td>
<td>☢☢☢☢ 10-30 mSv ☢☢☢☢ 10-30 mSv [ped]</td>
<td>3</td>
<td>n/a</td>
<td>0 0 0 0 0 0 0 0 0</td>
</tr>
<tr>
<td>CTA abdomen and pelvis with IV contrast</td>
<td>Usually appropriate</td>
<td></td>
<td>☢☢☢☢ 30-100 mSv</td>
<td>9</td>
<td>n/a</td>
<td>0 0 0 0 0 0 0 0 0</td>
</tr>
<tr>
<td>Arteriography abdomen</td>
<td>May be appropriate</td>
<td></td>
<td>☢☢ 1-10 mSv</td>
<td>5</td>
<td>n/a</td>
<td>0 0 0 0 0 0 0 0 0</td>
</tr>
<tr>
<td>MRA abdomen and pelvis without IV contrast</td>
<td>Usually not appropriate</td>
<td></td>
<td>O 0 mSv O 0 mSv [ped]</td>
<td>3</td>
<td>n/a</td>
<td>0 0 0 0 0 0 0 0 0</td>
</tr>
<tr>
<td>MRA abdomen and pelvis without and with IV contrast</td>
<td>May be appropriate</td>
<td></td>
<td>O 0 mSv O 0 mSv [ped]</td>
<td>5</td>
<td>n/a</td>
<td>0 0 0 0 0 0 0 0 0</td>
</tr>
<tr>
<td>X-ray abdomen</td>
<td>May be appropriate</td>
<td></td>
<td>☢☢ 0.1-1mSv ☢☢ 0.03-0.3 mSv [ped]</td>
<td>5</td>
<td>n/a</td>
<td>0 0 0 0 0 0 0 0 0</td>
</tr>
</tbody>
</table>
### Study Quality

#### US duplex Doppler abdomen
- May be appropriate
- References: n/a
- Study Quality: 4
- Dose: 0 mSv 0 mSv [ped]

#### CT abdomen and pelvis with IV contrast
- May be appropriate
- References: n/a
- Study Quality: 5
- Dose: 10-30 mSv 3-10 mSv [ped]

#### CT abdomen and pelvis without IV contrast
- Usually not appropriate
- References: n/a
- Study Quality: 3
- Dose: 10-30 mSv 3-10 mSv [ped]

#### CT abdomen and pelvis without and with IV contrast
- Usually not appropriate
- References: n/a
- Study Quality: 3
- Dose: 10-30 mSv 10-30 mSv [ped]

#### CTA abdomen and pelvis with IV contrast
- Usually appropriate
- References: n/a
- Study Quality: 9
- Dose: 30-100 mSv

#### Arteriography abdomen
- May be appropriate
- References: n/a
- Study Quality: 5
- Dose: 1-10 mSv

#### MRA abdomen and pelvis without IV contrast
- May be appropriate
- References: n/a
- Study Quality: 5
- Dose: 0 mSv 0 mSv [ped]

#### MRA abdomen and pelvis without and with IV contrast
- Usually appropriate
- References: n/a
- Study Quality: 8
- Dose: 0 mSv 0 mSv [ped]

#### X-ray abdomen
- Usually not appropriate
- References: n/a
- Study Quality: 2
- Dose: 0.1-1 mSv 0.03-0.3 mSv [ped]

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**Variant 2:**

**Suspected chronic mesenteric ischemia. Initial imaging.**

#### CT abdomen and pelvis with IV contrast
- May be appropriate
- References: n/a
- Study Quality: 5
- Dose: 10-30 mSv 3-10 mSv [ped]

#### CT abdomen and pelvis without IV contrast
- Usually not appropriate
- References: n/a
- Study Quality: 3
- Dose: 10-30 mSv 3-10 mSv [ped]

#### CT abdomen and pelvis without and with IV contrast
- Usually not appropriate
- References: n/a
- Study Quality: 3
- Dose: 10-30 mSv 10-30 mSv [ped]

#### CTA abdomen and pelvis with IV contrast
- Usually appropriate
- References: n/a
- Study Quality: 9
- Dose: 30-100 mSv

#### Arteriography abdomen
- May be appropriate
- References: n/a
- Study Quality: 5
- Dose: 1-10 mSv

#### MRA abdomen and pelvis without IV contrast
- May be appropriate
- References: n/a
- Study Quality: 5
- Dose: 0 mSv 0 mSv [ped]

#### MRA abdomen and pelvis without and with IV contrast
- Usually appropriate
- References: n/a
- Study Quality: 8
- Dose: 0 mSv 0 mSv [ped]

#### X-ray abdomen
- Usually not appropriate
- References: n/a
- Study Quality: 2
- Dose: 0.1-1 mSv 0.03-0.3 mSv [ped]
<table>
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<tr>
<th>References</th>
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<tr>
<td>US duplex Doppler abdomen</td>
<td>May be appropriate</td>
</tr>
</tbody>
</table>

References | Study Quality
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.