## American College of Radiology
ACR Appropriateness Criteria®

### Shoulder Pain-Traumatic

#### Variant 1:  Traumatic shoulder pain. Any etiology. Initial imaging.

<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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*SOE = Synchrotron Optics Efficiency*
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<th>Adults RRL</th>
<th>Peds RRL</th>
<th>Rating</th>
<th>Median</th>
<th>Final Tabulations</th>
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<td>SOE</td>
<td>Adults RRL</td>
<td>Peds RRL</td>
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Variant 3: Traumatic shoulder pain. Radiographs show humeral head or neck fracture. Next imaging study.

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<th>Appropriateness Category</th>
<th>SOE</th>
<th>Adults RRL</th>
<th>Peds RRL [ped]</th>
<th>Rating</th>
<th>Median</th>
<th>Final Tabulations</th>
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Variant 5:  Traumatic shoulder pain. Radiographs show Bankart or Hill-Sachs lesion. Next imaging study.
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<th>SOE</th>
<th>Adults RRL</th>
<th>Peds RRL</th>
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**Variant 6:** Traumatic shoulder pain. Radiographs normal. Physical examination and history consistent with dislocation event or instability. Next imaging study.
<table>
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<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>
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<tr>
<td>CT shoulder without and with IV contrast</td>
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<tr>
<td>FDG-PET/CT skull base to mid-thigh</td>
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<td>O 0 mSv [ped]</td>
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</table>

**Variant 7:** Traumatic shoulder pain. Radiographs normal. Physical examination findings consistent with labral tear. Next imaging study.

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<th>Appropriateness Category</th>
<th>SOE</th>
<th>Adults RRL</th>
<th>Peds RRL</th>
<th>Rating</th>
<th>Median</th>
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<td>O 0 mSv [ped]</td>
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**Final Tabulations**:
- Numbers represent the distribution of ratings from 1 to 9, with 1 being the most appropriate and 9 being the least appropriate.
<table>
<thead>
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<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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<tbody>
<tr>
<td>CT arthrography shoulder</td>
<td>Usually appropriate</td>
<td>[ped]</td>
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Appendix Key

A more complete discussion of the items presented below can be found by accessing the supporting documents at the designated hyperlinks.

**Appropriateness Category:** The panel's recommendation for a procedure based on the assessment of the risks and benefits of performing the procedure for the specified clinical scenario.

**SOE:** Strength of Evidence. The assessment of the amount and quality of evidence found in the peer reviewed medical literature for an appropriateness recommendation.

- **References:** The citation number and PMID for the reference(s) associated with the recommendation.
- **Study Quality:** The assessment of the quality of an individual reference based on the number of study quality elements described in the reference.

**RRL:** Relative Radiation Level. A population based assessment of the amount of radiation a typical patient may be exposed to during the specified procedure.

**Rating:** The final rating (1-9 scale) for the procedure as determined by the panel during rating rounds.

**Median:** The median rating (1-9 scale) for the procedure as determined by the panel during rating rounds.

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

Additional supporting documents about the AC methodology and processes can be found at www.acr.org/ac.