## American College of Radiology ACR Appropriateness Criteria<sup>®</sup>

## Postmenopausal Acute Pelvic Pain

Variant 1: Postmenopausal acute pelvic pain. Initial imaging.

|  | Appropr          | iateness       | COL           | A 1 14 DD       |            | <b>D</b> ( |        |   | Final Tabulations |   |   |   |   |   |   |   |
|--|------------------|----------------|---------------|-----------------|------------|------------|--------|---|-------------------|---|---|---|---|---|---|---|
| Procedure                              | Appropr<br>Categ | gory           | SOE           | Adults RR       | L Peds RRL | Rating     | Median | 1 | 2                 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| CT abdomen and pelvis with IV contrast | Usua<br>approp   | ally<br>priate | Limited       | ଝେଝ 1-10<br>mSv | )          | 8          | 8      | 0 | 0                 | 1 | 0 | 0 | 3 | 1 | 4 | 2 |
|  |                  |                | References    |                 | Study      | / Quality  |        |   |                   |   |   |   |   |   |   |   |
|  |                  |                | 8 (23804340)  |                 |            | 4          |        |   |                   |   |   |   |   |   |   |   |
|  |                  |                | 22 (17805165) |                 |            | 4          |        |   |                   |   |   |   |   |   |   |   |
|  |                  |                | 21 (16253664) |                 |            | 4          |        |   |                   |   |   |   |   |   |   |   |
|  |                  |                | 5 (19561056)  |                 |            | 3          |        |   |                   |   |   |   |   |   |   |   |
|  |                  |                | 14 (11896219) |                 |            | 4          |        |   |                   |   |   |   |   |   |   |   |
|  |                  |                | 16 (22268201) |                 |            | 4          |        |   |                   |   |   |   |   |   |   |   |
|  |                  |                | 11 (20663974) |                 |            | 4          |        |   |                   |   |   |   |   |   |   |   |
|  |                  |                | 20 (27618331) |                 |            | 4          |        |   |                   |   |   |   |   |   |   |   |
|  |                  |                | 18 (29224115) |                 |            | 3          |        |   |                   |   |   |   |   |   |   |   |
|  |                  |                | 10 (28914598) |                 |            | 4          |        |   |                   |   |   |   |   |   |   |   |
|  |                  |                | 13 (28884300) |                 |            | 4          |        |   |                   |   |   |   |   |   |   |   |
|  |                  |                | 12 (28753380) |                 |            | 4          |        |   |                   |   |   |   |   |   |   |   |
|  |                  |                | 15 (28511550) |                 |            | 4          |        |   |                   |   |   |   |   |   |   |   |
|  |                  |                | 6 (26790835)  |                 |            | 3          |        |   |                   |   |   |   |   |   |   |   |
|  |                  |                | 7 (29249008)  |                 |            | 3          |        |   |                   |   |   |   |   |   |   |   |
|  |                  |                | 9 (24007607)  |                 |            | 4          |        |   |                   |   |   |   |   |   |   |   |
|  |                  |                | 17 (15647881) |                 |            | 4          |        |   |                   |   |   |   |   |   |   |   |

|                          |                        | <u>19 (10489175)</u><br>23 (1738998)                               |         |                  | 4       |   |   |   |   |   |   |   |   |   |   |  |
|--------------------------|------------------------|--|---------|------------------|---------|---|---|---|---|---|---|---|---|---|---|--|
| US pelvis transabdominal | Usually<br>appropriate | Limited  | O 0 mSv | O 0 mSv<br>[ped] | 8       | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 3 |  |
|                          |                        | References   |         | Study            | Quality |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 37 (-3149653)  |         |                  | 4       |   |   |   |   |   |   |   |   |   |   |  |
| US pelvis transvaginal   | Usually<br>appropriate | Strong   | O 0 mSv | O 0 mSv<br>[ped] | 8       | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 5 |  |
|                          |                        | References   |         | Study            | Quality |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 8 (23804340)   |         |                  | 4       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 40 (22791597)  |         |                  | 4       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 38 (19179858)  |         |                  | 4       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 45 (18853841)  |         |                  | 4       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 32 (23065174)  |         |                  | 4       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 49 (17901133)  |         |                  | 3       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 48 (19670236)  |         |                  | 3       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 55 (21638034)  |         |                  | 2       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 39 (21419329)  |         |                  | 4       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 54 (17805166)  |         |                  | 4       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 41 (23001924)  |         |                  | 3       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 47 (9527577)   |         |                  | 4       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | <u>47(952(577))</u><br><u>4</u><br><u>33(29492599)</u><br><u>4</u> |         |                  |         |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 13 (28884300)  |         |                  |         |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 51 (28084714)  |         |                  | 4       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 50 (27466209)  |         |                  | 4       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 4 (25444102)   |         | 4                |         |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 44 (25320247)  |         |                  | 3       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 1 (21084935)   |         |                  | 4       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 37 (-3149653)  |         |                  | 4       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 42 (29926139)  |         |                  | 4       |   |   |   |   |   |   |   |   |   |   |  |
|                          |                        | 43 (29709594)  |         |                  | 4       |   |   |   |   |   |   |   |   |   |   |  |

|  |                       | 46 (17482243)                  |                 |                            | 4         |   |   |   |   |   |    |   |   |   |   |
|--|-----------------------|--------------------------------|-----------------|----------------------------|-----------|---|---|---|---|---|----|---|---|---|---|
|  |                       | 52 (16160102)<br>53 (2148953)  |                 |                            | 4         |   |   |   |   |   |    |   |   |   |   |
|  |                       |                                |                 |                            | 4         |   |   |   |   |   |    |   |   |   |   |
|  |                       | 26 (31054761)                  |                 |                            | 4         |   |   |   |   | - |    |   | - |   |   |
| MRI pelvis without and with IV contrast      | May be<br>appropriate | Limited                        | O 0 mSv         | O 0 mSv<br>[ped]           | 6         | 6 | 0 | 1 | 0 | 0 | 4  | 5 | 3 | 0 | 1 |
|  |                       | References                     |                 | Study                      | y Quality |   |   |   |   |   |    |   |   |   |   |
|  |                       | 28 (26488610)                  |                 |                            | 3         |   |   |   |   |   |    |   |   |   |   |
|  |                       | 16 (22268201)                  |                 |                            |           |   |   |   |   |   |    |   |   |   |   |
|  |                       | 34 (27933478)                  |                 |                            |           |   |   |   |   |   |    |   |   |   |   |
|  |                       | 12 (28753380)                  |                 |                            |           |   |   |   |   |   |    |   |   |   |   |
|  |                       | 24 (28668161)                  |                 |                            | 4         |   |   |   |   |   |    |   |   |   |   |
|  |                       | 35 (28668157)                  |                 |                            |           |   |   |   |   |   |    |   |   |   |   |
|  |                       | 25 (27770228)                  |                 |                            |           |   |   |   |   |   |    |   |   |   |   |
|  |                       | 30 (24078282)                  |                 |                            | 4         |   |   |   |   |   |    |   |   |   |   |
|  |                       | 26 (31054761)                  |                 | 1                          | 4         |   |   |   |   |   |    |   |   |   |   |
| CT abdomen and pelvis without<br>IV contrast | May be<br>appropriate | Limited                        | ତତତ 1-10<br>mSv | ତତତତ 3-<br>10 mSv<br>[ped] | 5         | 5 | 0 | 0 | 2 | 0 | 11 | 0 | 1 | 0 | 0 |
|  |                       | References                     |                 | Study                      | y Quality |   |   |   |   |   |    |   |   |   |   |
|  |                       | 8 (23804340)                   |                 |                            | 4         |   |   |   |   |   |    |   |   |   |   |
|  |                       | 5 (19561056)                   |                 |                            |           |   |   |   |   |   |    |   |   |   |   |
|  |                       | 6 (26790835)                   |                 |                            |           |   |   |   |   |   |    |   |   |   |   |
|  |                       | 7 (29249008)                   |                 | 1                          | 3         |   |   |   | i |   |    |   | i |   |   |
| MRI pelvis without IV contrast               | May be<br>appropriate | Limited                        | O 0 mSv         | O 0 mSv<br>[ped]           | 5         | 5 | 0 | 1 | 2 | 1 | 4  | 2 | 1 | 0 | 0 |
|  |                       | References                     |                 | Study                      | y Quality |   |   |   |   |   |    |   |   |   |   |
|  |                       | 29 (18649091)<br>28 (26488610) |                 |                            | 4 3       |   |   |   |   |   |    |   |   |   |   |
|  |                       |                                |                 |                            |           |   |   |   |   |   |    |   |   |   |   |
|  |                       | 16 (22268201)                  |                 |                            |           |   |   |   |   |   |    |   |   |   |   |
|  |                       | 12 (28753380)                  |                 |                            |           |   |   |   |   |   |    |   |   |   |   |
|  |                       | 24 (28668161)                  |                 |                            | 4         |   |   |   |   |   |    |   |   |   |   |
|  |                       |                                |                 |                            |           |   |   |   |   |   |    |   |   |   |   |

|   |                  |                 | 25 (27770228) | I                          |   | 4 |   |   |   |   |   |   |   |   |   |   |
|---|------------------|-----------------|---------------|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
|   |                  | 30 (24078282)   |               |                            |   |   |   |   |   |   |   |   |   |   |   |   |
|   |                  |                 | 27 (25316565) |                            |   |   |   |   |   |   |   |   |   |   |   |   |
|   |                  |                 | 26 (31054761) | l.                         | 4                                       |   |   |   |   |   |   |   |   |   |   |   |
| CT abdomen and pelvis without<br>and with IV contrast | Usuall<br>approp | y not<br>priate | Limited       | <del>ତତତତ</del> 10-<br>mSv | -30 00000000000000000000000000000000000 | 3 | 3 | 2 | 2 | 5 | 0 | 3 | 2 | 0 | 0 | 0 |
|   |                  | References      |               | Study Quality              |   |   |   |   |   |   |   |   |   |   |   |   |
|   |                  |                 | 8 (23804340)  |                            |   | 4 |   |   |   |   |   |   |   |   |   |   |
|   |                  |                 | 22 (17805165) | 1                          | 4<br>4<br>3                             |   |   |   |   |   |   |   |   |   |   |   |
|   |                  |                 | 21 (16253664) | I                          |   |   |   |   |   |   |   |   |   |   |   |   |
|   |                  |                 | 5 (19561056)  |                            |   |   |   |   |   |   |   |   |   |   |   |   |
|   |                  |                 | 20 (27618331) | 1                          |   | 4 |   |   |   |   |   |   |   |   |   |   |
|   |                  |                 | 12 (28753380) | I                          |   | 4 |   |   |   |   |   |   |   |   |   |   |
|   |                  |                 | 6 (26790835)  |                            |   | 3 |   |   |   |   |   |   |   |   |   |   |
|   |                  |                 | 7 (29249008)  |                            |   | 3 |   |   |   |   |   |   |   |   |   |   |
|   |                  |                 | 23 (1738998)  |                            |   | 4 |   |   |   |   |   |   |   |   |   |   |

## **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.