American College of Radiology  
ACR Appropriateness Criteria®

Developmental Dysplasia of the Hip-Child

**Variant 1:** Child, younger than 4 weeks of age. Equivocal physical examination or risk factors for DDH. 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>
</tr>
</thead>
<tbody>
<tr>
<td>US hips</td>
<td>Usually not appropriate</td>
<td>Limited</td>
<td>O 0 mSv</td>
<td>O 0 mSv [ped]</td>
<td>2</td>
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References
- 18 (1979376)  
- 5 (16510634)  
- 3 (25940606)  
- 59 (2119119)

Radiography pelvis
<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>
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<tbody>
<tr>
<td></td>
<td>Usually not appropriate</td>
<td>Expert Consensus</td>
<td>☢☢ 0.1-1mSv</td>
<td>☢☢ 0.03-0.3 mSv [ped]</td>
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Reference
- 62 (26270760)  
- 63 (25539254)

**Variant 2:** Child, between 4 weeks to 4 months of age. Equivocal physical examination or risk factors for DDH. Initial imaging.

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<tr>
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<th>Peds RRL</th>
<th>Rating</th>
<th>Median</th>
<th>Final Tabulations</th>
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References
- 62 (26270760)  
- 63 (25539254)
### Variant 3: Child, younger than 4 months of age. Physical findings of DDH. Initial imaging.

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<tbody>
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#### References
- Study Quality

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<td>37 (12504396)</td>
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### Variant 4: Child, between 4 to 6 months of age. Concern for DDH. Initial imaging.

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#### References
- Study Quality

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## Variant 5: Child, older than 6 months of age. Concern for DDH. Initial imaging.

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**References**

| 1 (10742345) | 4 |
| 71 (25333906) | 3 |
| 72 (22410971) | 3 |

## Variant 6: Child, younger than 6 months of age. Known diagnosis of DDH, nonoperative surveillance imaging in harness.

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**References**

<p>| 70 (26090988) | 3 |
| 56 (1527117)  | 3 |
| 58 (17847926) | 3 |
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<th>CT pelvis without IV contrast</th>
<th>Study Quality</th>
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<td>Expert Consensus</td>
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<th>MRI pelvis without and with IV contrast</th>
<th>Study Quality</th>
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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.