

6 (24901125)	4
4 (23212183)	4
21 (15953224)	4
16 (7223287)	4
17 (2407418)	3
19 (7084598)	4
18 (3285944)	4
20 (2152047)	4
22 (26507695)	2

MRI abdomen without and with IV contrast	May be appropriate	Limited	0 0 mSv	0 0 mSv [ped]	6	6	0	0	0	0	0	7	2	1	3
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References	Study Quality
10 (27377325)	4

CT abdomen without IV contrast	May be appropriate	Strong	☼☼☼ 1-10 mSv	☼☼☼☼ 3-10 mSv [ped]	5	5	0	0	1	5	6	2	2	0	0
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References	Study Quality
10 (27377325)	4
5 (27452935)	4
11 (26321453)	4
6 (24901125)	4
7 (24764686)	3
13 (24724763)	4
12 (23381506)	4
4 (23212183)	4
8 (6112538)	1
9 (6734063)	3
14 (16371582)	3
15 (6561119)	4

MRI abdomen without IV contrast	May be appropriate	Limited	0 0 mSv	0 0 mSv [ped]	5	5	0	0	0	7	6	2	1	0	0
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References	Study Quality
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		10 (27377325)		4													
CT abdomen without and with IV contrast	Usually not appropriate	Strong	☼☼☼☼ 10-30 mSv	☼☼☼☼☼ 10-30 mSv [ped]	3	3	1	4	4	4	1	2	0	0	0		

References	Study Quality
10 (27377325)	4
5 (27452935)	4
11 (26321453)	4
6 (24901125)	4
7 (24764686)	3
13 (24724763)	4
12 (23381506)	4
4 (23212183)	4
8 (6112538)	1
9 (6734063)	3
14 (16371582)	3
15 (6561119)	4

FDG-PET/CT skull base to mid-thigh	Usually not appropriate	Expert Consensus	☼☼☼☼ 10-30 mSv	☼☼☼☼☼ 3-10 mSv [ped]	3	3	3	3	5	0	0	2	0	0	0		
Radiography abdomen	Usually not appropriate	Limited	☼☼ 0.1-1mSv	☼☼ 0.03-0.3 mSv [ped]	3	3	1	3	6	2	1	0	0	0	0		

References	Study Quality
27 (22524761)	4
26 (23079147)	4
24 (23224856)	4
25 (22200965)	4

Fluoroscopy contrast enema	Usually not appropriate	Limited	☼☼☼ 1-10 mSv	☼☼☼☼☼ 3-10 mSv [ped]	2	2	3	6	3	1	0	0	0	0	0		
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References	Study Quality
28 (23219189)	3

30 (25064764)	4
12 (23381506)	4
14 (16371582)	3
15 (6561119)	4
43 (28004137)	3
41 (15728607)	3
42 (29571558)	4

MRI abdomen without and with IV contrast	Usually appropriate	Limited	0 0 mSv	0 0 mSv [ped]	7	7	0	0	0	0	0	4	4	2	3
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References	Study Quality
38 (22884230)	4
10 (27377325)	4
30 (25064764)	4
29 (24043554)	4
35 (23763857)	3
40 (14975977)	3

MRI abdomen without IV contrast	May be appropriate	Limited	0 0 mSv	0 0 mSv [ped]	6	6	0	0	0	5	3	5	2	1	0
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References	Study Quality
38 (22884230)	4
10 (27377325)	4
30 (25064764)	4
29 (24043554)	4
35 (23763857)	3
40 (14975977)	3

CT abdomen without IV contrast	May be appropriate	Limited	☼☼☼ 1-10 mSv	☼☼☼☼ 3-10 mSv [ped]	4	4	0	0	5	6	3	1	1	0	0
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References	Study Quality
30 (25064764)	4
12 (23381506)	4
14 (16371582)	3

15 (6561119)	4
43 (28004137)	3
41 (15728607)	3
42 (29571558)	4

CT abdomen without and with IV contrast	Usually not appropriate	Limited	⊕⊕⊕⊕ 10-30 mSv	⊕⊕⊕⊕⊕ 10-30 mSv [ped]	3	3	1	7	6	2	0	0	0	0	0
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References	Study Quality
30 (25064764)	4
12 (23381506)	4
14 (16371582)	3
15 (6561119)	4
43 (28004137)	3
41 (15728607)	3
42 (29571558)	4

FDG-PET/CT skull base to mid-thigh	Usually not appropriate	Expert Consensus	⊕⊕⊕⊕ 10-30 mSv	⊕⊕⊕⊕ 3-10 mSv [ped]	2	2	3	7	2	1	0	0	0	0	0
Radiography abdomen	Usually not appropriate	Expert Consensus	⊕⊕ 0.1-1mSv	⊕⊕ 0.03-0.3 mSv [ped]	2	2	6	3	3	0	1	0	0	0	0
Fluoroscopy contrast enema	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕⊕ 3-10 mSv [ped]	1	1	8	4	1	0	0	0	0	0	0
Fluoroscopy upper GI series	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	1	1	9	3	1	0	0	0	0	0	0
Fluoroscopy upper GI series with small bowel follow-through	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕⊕ 3-10 mSv [ped]	1	1	8	4	1	0	0	0	0	0	0

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.