

			6 (20842992)		4												
Fluoroscopy cystography	Usually not appropriate	Limited	☼☼☼ 1-10 mSv		2	2	6	4	1	1	1	1	0	0	0		
		References	26 (7453771)		Study Quality												
					2												
Fluoroscopy voiding cystourethrography	Usually not appropriate	Limited	☼☼ 0.1-1mSv	☼☼ 0.03-0.3 mSv [ped]	2	2	6	3	2	1	1	1	0	0	0		
		References	26 (7453771)		Study Quality												
					2												
MRI abdomen and pelvis without IV contrast	Usually not appropriate	Limited	○ 0 mSv	○ 0 mSv [ped]	2	2	6	6	1	0	0	0	1	0	0		
		References	27 (19188307)		Study Quality												
					4												
MRI abdomen and pelvis without and with IV contrast	Usually not appropriate	Limited	○ 0 mSv	○ 0 mSv [ped]	2	2	6	6	1	0	0	0	1	0	0		
		References	27 (19188307)		Study Quality												
					4												
MRU without and with IV contrast	Usually not appropriate	Limited	○ 0 mSv	○ 0 mSv [ped]	2	2	5	4	3	0	1	0	0	1	0		
		References	27 (19188307)		Study Quality												
					4												
US kidneys and bladder retroperitoneal	Usually not appropriate	Expert Consensus	○ 0 mSv	○ 0 mSv [ped]	2	2	2	9	3	1	0	0	0	0	0		
Radiography abdomen	Usually not appropriate	Expert Consensus	☼☼ 0.1-1mSv	☼☼ 0.03-0.3 mSv [ped]	2	2	7	3	0	0	2	1	1	0	0		
CT abdomen and pelvis without and with IV contrast	Usually not appropriate	Limited	☼☼☼☼ 10-30 mSv	☼☼☼☼ 10-30 mSv [ped]	1	1	9	2	2	0	0	0	0	1	0		
		References	6 (20842992)		Study Quality												
					4												

44 (19001648)	4
42 (18204232)	4
43 (15908546)	4
37 (18635623)	4
36 (19902327)	4
38 (20489108)	4
40 (18718640)	4
41 (22674706)	4
47 (15546583)	4
13 (19495546)	4
46 (3873806)	4
35 (11152787)	2
45 (11818599)	3
39 (16775670)	4
27 (19188307)	4

CT abdomen and pelvis without IV contrast	May be appropriate	Limited	☼☼☼☼ 1-10 mSv	☼☼☼☼☼ 3-10 mSv [ped]	5	5	0	0	1	3	11	0	0	0	0
---	--------------------	---------	---------------	----------------------	---	---	---	---	---	---	----	---	---	---	---

References	Study Quality
24 (11295405)	4
28 (25421387)	4

CT abdomen and pelvis without and with IV contrast	May be appropriate	Limited	☼☼☼☼☼ 10-30 mSv	☼☼☼☼☼☼ 10-30 mSv [ped]	5	5	0	0	1	3	11	0	0	0	0
--	--------------------	---------	-----------------	------------------------	---	---	---	---	---	---	----	---	---	---	---

References	Study Quality
24 (11295405)	4
28 (25421387)	4

CT pelvis with bladder contrast (CT cystography)	May be appropriate	Limited	☼☼☼☼☼ 10-30 mSv	☼☼☼☼☼ 3-10 mSv [ped]	5	5	0	2	0	2	7	2	1	0	0
--	--------------------	---------	-----------------	----------------------	---	---	---	---	---	---	---	---	---	---	---

References	Study Quality
29 (24857651)	4

		19 (22696044)		4														
Fluoroscopy voiding cystourethrography	May be appropriate	Limited	☼☼ 0.1-1mSv	☼☼ 0.03-0.3 mSv [ped]	5	5	0	1	2	3	2	5	1	0	0			

References	Study Quality
34 (3925167)	4

MRI abdomen and pelvis without IV contrast	May be appropriate	Limited	○ 0 mSv	○ 0 mSv [ped]	5	5	1	0	0	1	10	2	1	0	0			
--	--------------------	---------	---------	---------------	---	---	---	---	---	---	----	---	---	---	---	--	--	--

References	Study Quality
44 (19001648)	4
42 (18204232)	4
43 (15908546)	4
37 (18635623)	4
36 (19902327)	4
38 (20489108)	4
40 (18718640)	4
41 (22674706)	4
47 (15546583)	4
13 (19495546)	4
46 (3873806)	4
35 (11152787)	2
45 (11818599)	3
39 (16775670)	4
27 (19188307)	4

US kidneys and bladder retroperitoneal	May be appropriate	Strong	○ 0 mSv	○ 0 mSv [ped]	5	5	0	0	1	2	7	1	2	2	0			
--	--------------------	--------	---------	---------------	---	---	---	---	---	---	---	---	---	---	---	--	--	--

References	Study Quality
53 (7058574)	4
54 (6466939)	4
55 (2642347)	4
56 (17115233)	3
57 (20206970)	3

59 (22010975)	3
58 (11110945)	1
45 (11818599)	3

CT abdomen and pelvis with IV contrast	May be appropriate	Limited	☼☼☼ 1-10 mSv	☼☼☼☼ 3-10 mSv [ped]	4	4	0	3	2	3	7	0	0	0	0
--	--------------------	---------	--------------	---------------------	---	---	---	---	---	---	---	---	---	---	---

References	Study Quality
24 (11295405)	4
28 (25421387)	4

Fluoroscopy cystography	May be appropriate	Expert Consensus	☼☼☼ 1-10 mSv		4	4	2	2	3	4	2	1	0	0	0
-------------------------	--------------------	------------------	--------------	--	---	---	---	---	---	---	---	---	---	---	---

Fluoroscopy urethrography double balloon	Usually not appropriate	Expert Consensus	☼☼ 0.1-1mSv		3	3	3	4	3	1	2	1	0	0	0
--	-------------------------	------------------	-------------	--	---	---	---	---	---	---	---	---	---	---	---

Radiography abdomen	Usually not appropriate	Limited	☼☼ 0.1-1mSv	☼☼ 0.03-0.3 mSv [ped]	3	3	2	5	7	0	1	0	0	0	0
---------------------	-------------------------	---------	-------------	-----------------------	---	---	---	---	---	---	---	---	---	---	---

References	Study Quality
51 (20566811)	1
52 (6784476)	4

Fluoroscopy contrast enema	Usually not appropriate	Limited	☼☼☼ 1-10 mSv	☼☼☼☼ 3-10 mSv [ped]	2	2	3	5	3	2	1	0	0	0	0
----------------------------	-------------------------	---------	--------------	---------------------	---	---	---	---	---	---	---	---	---	---	---

References	Study Quality
33 (15371612)	4
32 (15859969)	3

Radiography intravenous urography	Usually not appropriate	Limited	☼☼☼ 1-10 mSv	☼☼☼ 0.3-3 mSv [ped]	1	1	8	4	0	0	2	0	0	0	0
-----------------------------------	-------------------------	---------	--------------	---------------------	---	---	---	---	---	---	---	---	---	---	---

References	Study Quality
27 (19188307)	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.