



			37 (17414769)		4														
			31 (29571786)		4														
			30 (32208098)		2														
			27 (33001788)		4														
Lymphangiography chest abdomen pelvis	Usually appropriate	Limited	☼☼☼ 1-10 mSv	☼☼☼☼ 3-10 mSv [ped]	8	8	0	0	0	0	1	3	3	6	3				
			References		Study Quality														
			16 (9756057)		4														
			48 (17508245)		3														
			49 (1892021)		4														
			23 (35081648)		3														
			53 (21557160)		4														
			52 (19029221)		3														
			51 (21161658)		4														
			50 (21498367)		3														
			9 (23580112)		4														
			8 (18207415)		4														
			5 (20042200)		3														
			11 (19040982)		4														
			22 (28956103)		4														
MR lymphangiography chest abdomen pelvis	Usually appropriate	Limited	○ 0 mSv	○ 0 mSv [ped]	8	8	0	0	0	0	0	0	4	9	3				
			References		Study Quality														
			27 (33001788)		4														
			31 (29571786)		4														
			30 (32208098)		2														
			37 (17414769)		4														
			42 (27555355)		3														
CT chest with IV contrast	May be appropriate	Limited	☼☼☼ 1-10 mSv	☼☼☼☼ 3-10 mSv [ped]	5	5	0	1	1	5	6	2	1	0	0				

References	Study Quality
36 (21412101)	3
44 (17114559)	4
45 (11814747)	4

CT chest abdomen pelvis with IV contrast	May be appropriate	Limited	⊕⊕⊕⊕ 10-30 mSv	⊕⊕⊕⊕ 3-10 mSv [ped]	5	5	1	0	1	2	6	5	0	1	0
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References	Study Quality
36 (21412101)	3
44 (17114559)	4
45 (11814747)	4

CT chest abdomen pelvis without and with IV contrast	May be appropriate	Limited	⊕⊕⊕⊕ 10-30 mSv	⊕⊕⊕⊕⊕ 10-30 mSv [ped]	5	5	1	0	3	3	5	3	1	0	0
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References	Study Quality
36 (21412101)	3
44 (17114559)	4
45 (11814747)	4
46 (22253338)	4

MRI chest without IV contrast	May be appropriate	Limited	○ 0 mSv	○ 0 mSv [ped]	5	5	0	0	0	2	10	2	2	0	0
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References	Study Quality
65 (32662762)	3
64 (20578016)	3
63 (22976916)	2
62 (20013098)	4
61 (21264660)	4

MRI chest without and with IV contrast	May be appropriate	Limited	○ 0 mSv	○ 0 mSv [ped]	5	5	0	0	2	0	8	4	2	0	0
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References	Study Quality
64 (20578016)	3



			45 (11814747)		4													
			44 (17114559)		4													
			36 (21412101)		3													
CT chest without and with IV contrast	May be appropriate	Limited	☼☼☼ 1-10 mSv	☼☼☼☼ 3-10 mSv [ped]	4	4	0	1	1	9	3	2	0	0	0			
			References		Study Quality													
			36 (21412101)		3													
			46 (22253338)		4													
			45 (11814747)		4													
			44 (17114559)		4													
CT chest abdomen pelvis without IV contrast	May be appropriate	Limited	☼☼☼☼ 10-30 mSv	☼☼☼☼ 3-10 mSv [ped]	4	4	1	0	3	8	2	1	1	0	0			
			References		Study Quality													
			36 (21412101)		3													
			44 (17114559)		4													
			45 (11814747)		4													
			47 (24393538)		2													
US chest	Usually not appropriate	Limited	○ 0 mSv	○ 0 mSv [ped]	2	2	4	5	1	4	1	0	0	1	0			
			References		Study Quality													
			68 (8184046)		3													
US chest abdomen pelvis	Usually not appropriate	Limited	○ 0 mSv	○ 0 mSv [ped]	2	2	3	7	5	0	1	0	0	0	0			
			References		Study Quality													
			68 (8184046)		3													
			69 (22440590)		2													
			31 (29571786)		4													

**Variant 2: Adult or child. Chylothorax: nontraumatic or unknown etiology. Pretreatment planning.**

Procedure	Appropriateness Category	SOE	Adults RRL	Peds RRL	Rating	Median	Final Tabulations								
							1	2	3	4	5	6	7	8	9
MR lymphangiography chest and abdomen	Usually appropriate	Strong	0 0 mSv	0 0 mSv [ped]	8	8	0	0	0	0	1	1	1	8	5
		References	Study Quality												
		42 (27555355)	3												
		37 (17414769)	4												
		33 (34165621)	2												
		32 (28494978)	4												
		31 (29571786)	4												
		30 (32208098)	2												
		27 (33001788)	4												
MR lymphangiography chest abdomen pelvis	Usually appropriate	Strong	0 0 mSv	0 0 mSv [ped]	8	8	0	0	0	0	0	0	4	9	3
		References	Study Quality												
		33 (34165621)	2												
		32 (28494978)	4												
		31 (29571786)	4												
		30 (32208098)	2												
		27 (33001788)	4												
Lymphangiography chest and abdomen	Usually appropriate	Limited	☼☼☼ 1-10 mSv	☼☼☼☼ 3-10 mSv [ped]	7	7	0	0	0	1	1	1	6	6	1
		References	Study Quality												
		73 (32879418)	3												
		49 (1892021)	4												
		48 (17508245)	3												
		32 (28494978)	4												
		16 (9756057)	4												
Lymphangiography chest abdomen pelvis	Usually appropriate	Limited	☼☼☼ 1-10 mSv	☼☼☼☼ 3-10 mSv [ped]	7	7	0	0	0	0	2	0	10	4	0

References	Study Quality
49 (1892021)	4
48 (17508245)	3
16 (9756057)	4
73 (32879418)	3
32 (28494978)	4

CT chest with IV contrast	May be appropriate	Limited	☼☼☼ 1-10 mSv	☼☼☼☼ 3-10 mSv [ped]	6	6	0	1	1	0	4	6	2	2	0
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References	Study Quality
36 (21412101)	3
70 (31685101)	4
71 (30392593)	4

CT chest abdomen pelvis with IV contrast	May be appropriate	Limited	☼☼☼☼ 10-30 mSv	☼☼☼☼ 3-10 mSv [ped]	6	6	1	1	0	3	2	8	0	1	0
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References	Study Quality
36 (21412101)	3
70 (31685101)	4
71 (30392593)	4

CT chest without and with IV contrast	May be appropriate	Limited	☼☼☼ 1-10 mSv	☼☼☼☼ 3-10 mSv [ped]	5	5	0	0	1	6	7	1	1	0	0
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References	Study Quality
36 (21412101)	3
46 (22253338)	4
70 (31685101)	4
71 (30392593)	4

CT chest abdomen pelvis without and with IV contrast	May be appropriate	Limited	☼☼☼☼ 10-30 mSv	☼☼☼☼☼ 10-30 mSv [ped]	5	5	1	1	1	3	6	3	1	0	0
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References	Study Quality
36 (21412101)	3







US chest	Usually not appropriate	Limited	0 0 mSv	0 0 mSv [ped]	2	2	4	10	2	0	0	0	0	0	0
		References		Study Quality											
		68 (8184046)		3											
US chest abdomen pelvis	Usually not appropriate	Limited	0 0 mSv	0 0 mSv [ped]	2	2	2	8	5	0	1	0	0	0	0
		References		Study Quality											
		69 (22440590)		2											
		68 (8184046)		3											
		31 (29571786)		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](http://www.acr.org/ac).