## American College of Radiology ACR Appropriateness Criteria®

## **Suspected Retroperitoneal Bleed**

Variant 1: Clinically suspected retroperitoneal bleed. Initial imaging.

	Appropri	ateness	GOT			D 1 DD1	J. DDI D.C. M. P.		Final Tabulations								
Procedure	dure Appropriateness Category SOE Adults RRL Peds RR		Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9			
CTA abdomen and pelvis with IV contrast	Usua approp		Limited	<b>≎≎≎≎</b> 10- mSv	30		9	9	1	0	0	0	0	1	4	2	8
			References		Study Quality												
			11 (29685516)		3												
			9 (30701406)		3												
CT abdomen and pelvis with IV contrast	Usua approp		Limited	��� 1-10 mSv	0	���� 3- 10 mSv [ped]	8	8	1	0	0	0	0	1	5	7	2
			References Study Qua   7 (25572538) 3		Quality												
					3												
			6 (28031087)				4										
CT abdomen and pelvis without and with IV contrast	Usua approp		Limited	���� 10- mSv	30	����� 10-30 mSv [ped]	7	7	1	0	0	0	1	2	6	3	3
		References															
			7 (25572538)		3												
			6 (28031087)				4										
CT abdomen and pelvis without IV contrast	May approp		Limited	��� 1-10 mSv	0	���� 3- 10 mSv [ped]	6	6	0	0	0	0	1	10	2	4	2
		References			Study	Quality											
			7 (25572538)				3										

		6 (28031087)		4											
Aortography abdomen and pelvis	May be appropriate (Disagreement)	Expert Opinion	���� 10-30 mSv	)	5	5	0	0	2	1	8	5	3	0	0
		References		Study	y Quality										
		4 (24622075)		4											
		10 (30963204) 3													
		9 (30701406)			3										
MRI abdomen and pelvis without IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	3	3	2	1	8	3	1	1	0	0	0
		References		Study Quality			•								
		12 (22498446)			4										
MRI abdomen and pelvis without and with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	3	3	2	1	6	4	1	1	1	0	0
	References Study Quality		y Quality		•			•				•			
		12 (22498446)			4										
MRA abdomen and pelvis without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	3	3	2	1	6	1	4	1	1	0	0
MRA abdomen and pelvis without and with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	3	3	3	6	8	2	0	0	0	0	0
US abdomen and pelvis	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	2	2	7	5	1	5	1	0	0	0	0
		References		Study Quality											
		16 (28527198) 15 (21911282)		3 3											
		17 (23406071)			4										
Radiography abdomen and pelvis	Usually not appropriate	Limited	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	2	2	8	7	4	0	0	0	0	0	0
References				Study Quality											
	13 (29042693)				4										

MRA abdomen and pelvis with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	3	7	7	1	1	0	0	0	0
RBC scan abdomen and pelvis	Usually not appropriate	Limited	��� 1-10 mSv		2	2	8	4	3	3	0	0	1	0	0

References	Study Quality
14 (3494826)	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.