American College of Radiology ACR Appropriateness Criteria®

Second and Third Trimester Vaginal Bleeding

Variant 1: Second and third trimester vaginal bleeding. Painless bleeding. Initial imaging.

Procedure	Appropriateness	GOT.	A L II DDI	I Dada DDI Datina Madian					F	inal '	Гаbи	latio	ns		
	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
US pregnant uterus transabdominal	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	0	0	1	1	9
		References		Study											
		24 (24499759)													
		23 (24461676)			4										
US pregnant uterus transvaginal	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	8	8	0	0	0	0	0	0	2	5	4
		References		Study											
		26 (11422970)													
		13 (1951509)			4										
		25 (9918091)													
		22 (9918092)													
US duplex Doppler pelvis	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	8	n/a	0	0	0	0	0	0	0	0	0
		References		Study Quality											
		22 (9918092)			4										
US cervix transperineal	May be appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	4	4	0	0	0	6	3	2	0	0	0

Variant 2: Second and third trimester vaginal bleeding. Painful bleeding. Initial imaging.

Procedure	Appropriateness	COE	A J14- DDI	Dodg DDI Dating N		M. P	Final '					Tabulations						
	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9			
US pregnant uterus transabdominal	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	0	0	1	1	9			
		References		Study														
		24 (24499759)																
		29 (25814295)																
		23 (24461676)				_												
US pregnant uterus transvaginal	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	8	8	0	0	0	0	0	0	2	4	5			
		References		Study														
		31 (27174433)																
		30 (22133802)																
		32 (27039247)				_												
US duplex Doppler pelvis	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	8	n/a	0	0	0	0	0	0	0	0	0			
		References		Study		-												
		5 (17012465)																
		27 (27484964)								_								
US cervix transperineal	May be appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	4	4	0	0	0	6	3	2	0	0	0			

Variant 3: Second and third trimester vaginal bleeding. Suspicion of or known placental previa, low-lying placental, or vasa previa. Initial imaging.

Procedure	Appropriateness	COE	A L L DDI	D I DDI	D 41	3.7.11			F	inal '	Гаbu	latio	ns		
	Category	SOE	Adults RRI	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
US pregnant uterus transvaginal	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	0	0	3	1	7
		References		Study	Ouality										

		43 (26863133)		3											
		44 (25044354)		3											
		46 (26944186)		4											
		45 (24371109)		4											
US pregnant uterus transabdominal	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	0	0	1	2	8
		References		Study Quality											
		36 (25196535)		3											
		42 (24658950)													
		35 (17346497)	4												
		38 (11978274)	4												
		40 (12820840)	M												
		39 (12548229)		4											
		41 (12052584)		3											
		37 (17121427)		3											
US duplex Doppler pelvis	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	n/a	0	0	0	0	0	0	0	0	0
		References		Study Quality											
		34 (25491755) 7 (24785860)		4											
				4											
US cervix transperineal	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	3	3	2	3	3	2	1	0	0	0	0
		References		Study Quality											
		33 (-3164616)			(

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.