## American College of Radiology ACR Appropriateness Criteria<sup>®</sup>

## Placenta Accreta Spectrum Disorder

Variant 1: Low risk for placenta accreta spectrum disorder. No known clinical risk factors. Initial Imaging.

	Appropri	ateness						Final Tabulati			latio	ons				
Procedure Cate			SOE	Adults RRI	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
US pregnant uterus transabdominal	Usua approp		Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	0	0	1	1	11
			References Study Quality													
			15 (-3112890)		4											
US duplex Doppler pregnant uterus	May approp		Limited	O 0 mSv	O 0 mSv [ped]	6	6	0	0	0	2	0	5	2	1	3
			References		Study	Quality			-	-						
			14 (19001647)			4										
			4 (27875472)			4										
US pregnant uterus transvaginal	May approp		Limited	O 0 mSv	O 0 mSv [ped]	6	6	0	0	0	0	3	6	3	1	0
			References		Study Quality											
			15 (-3112890)		4											
MRI abdomen and pelvis without IV contrast	Usuall approp		Limited	O 0 mSv	O 0 mSv [ped]	2	2	6	6	1	0	0	0	0	0	0
			References		Study Quality											
			13 (30471891)		4											
MRI abdomen and pelvis without and with IV contrast	Usuall approp		Limited	O 0 mSv	O 0 mSv [ped]	1	1	12	1	0	0	0	0	0	0	0
			References		Study	Quality										

13 (30471891) 4		
	13 (30471891)	4

## Variant 2: High risk for placenta accreta spectrum disorder. Initial Imaging.

	Appropriateness								ŀ	inal	Tabu	latio	ns		
Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
US duplex Doppler pregnant uterus	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	0	0	2	1	10
		References		Study	Quality										
		37 (15118654)			3										
		14 (19001647)			4										
		45 (12047546)				-			_						
US pregnant uterus transabdominal	Usually appropriate	Strong	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	0	0	1	1	11
		References		Study	Quality			•			•				
		46 (1522623)			4										
		16 (10776009)			3										
	37 (15118654)			3											
		38 (9393534)			3										
		2 (24176160)		4											
		6 (21907956)													
		10 (26428505) 4													
		11 (29405319)			4										<b></b>
US pregnant uterus transvaginal	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	1	0	1	3	8
	References		Study	V Quality											
15 (-3112890)							_	_	_						
MRI abdomen and pelvis without IV contrast	May be appropriate	Strong	O 0 mSv	O 0 mSv [ped]	6	6	0	0	0	1	3	4	4	1	0
		References		Study	Quality										

			20 (16946217)			3										
			14 (19001647)			4										
			33 (17222719)			2										
			30 (22109310)			3										
			41 (16582134)			4										
			28 (23020968)			2										
			29 (24210438)													
			31 (23489020)		4 3											
			32 (26295658)													
			34 (22268173)		4											
			43 (28293719)		3											
			44 (25748486)													
			26 (20070704)		4											
			11 (29405319)													
MRI abdomen and pelvis without and with IV contrast	Usually approp	y not riate	Limited	O 0 mSv	O 0 mSv [ped]	2	2	5	6	0	2	0	0	0	0	0
			References		Study Quality											
			27 (-3112580)													
			20 (16946217)		3											
			14 (19001647)			4										
			26 (20070704)			4										

Variant 3: Follow-up of placenta accreta spectrum disorder.

	Appropri	iateness	COF			Rating	Median	Final Tabulations										
Procedure	Categ		SOE	Adults RRL	Peds RRL			1	2	3	4	5	6	7	8	9		
US duplex Doppler pregnant uterus	Usua approp		Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	0	0	0	4	9		
			References		Study													
			14 (19001647)															

		45 (12047546) 4													
US pregnant uterus transabdominal	Usually appropriate	ally Limited O.0 mSy		O 0 mSv [ped]	9	9	0	0	0	0	0	0	1	1	11
		References	Study	Quality											
		5 (21055510)		4											
		10 (26428505)			-	-	-	-	-						
US pregnant uterus transvaginal	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	1	0	0	4	8
		References		Study	Quality										
		15 (-3112890)		4					-						
MRI abdomen and pelvis without IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	3	6	4	0	0	0
		References		Study Quality											
		32 (26295658)		2											
		49 (26195324)				-									
MRI abdomen and pelvis without and with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	2	2	5	6	0	2	0	0	0	0	0
		References		Study	Quality										
		27 (-3112580)			4										
		14 (19001647)		4											
		17 (18716136)			4										
		26 (20070704)			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.