

Uterine Artery Assessment & Measurement

Assessment Criteria and Image Scoring Method

Criterion	Definition	Score
Sagittal section	The image shows evidence of a longitudinal view of the lateral aspect of the cervico-uterine junction	✓ or ✗
Colour flow mapping	Colour flow mapping with appropriate settings should demonstrate the uterine artery where it courses anteriorly toward the transducer head	✓ or ✗
Good application of the sampling gate	Pulsed wave Doppler should be used with the sampling gate set at 2 mm and appropriately positioned in the middle of the vessel	✓ or ✗
Insonation	Ensure that the angle of insonation is less than 30°.	✓ or ✗
Calculation of MPI	The image should include three similar consecutive waveforms, with the PI calculated from an accurate trace of one or more of those waveforms.	✓ or ✗
Peak systolic velocity	Should be above 60 cm / second	✓ or ✗

NOTES:

- Maximum score of 6.
- To pass an image, 4 of the criteria must be met.
- If a sampling gate of 2mm is not demonstrated then the image will be deemed uninterpretable and score zero.
- All three images must pass.