

## TRUFFLE 2

**Doppler Image Scoring****For Umbilical Artery:**

PULSEWAVE IMAGE (/6)	1 point	0 point
Magnification	Doppler display occupies 50% or more of the image	Doppler display occupies <50% of the image
Angle of insonation	<30 degrees	30 degrees or more
Sweep speed	Doppler spectrum has 4-10 waveforms	Doppler spectrum has < 4 (3 or less) or > 10 waveforms (11 or more)
Sample gate	Large enough to include 3/4th of the vessel diameter	Smaller than 3/4th of the vessel diameter
Appropriate PRF	The waveform fits at least 75% of the pulse wave Doppler scale or PRF (pulse repetition frequency)	The waveform fits < 75% of the pulse wave Doppler scale or PRF
Image quality	Uniform arterial waveforms, no aliasing or background artefacts or fetal breathing movements	Variable arterial waveforms/aliasing/background artefacts/fetal breathing movements

**For Middle Cerebral Arterial: (as above)**

PULSEWAVE IMAGE (/6)	1 point	0 point
Magnification	Doppler display occupies 50% or more of the image	Doppler display occupies <50% of the image
Angle of insonation	<30 degrees	30 degrees or more
Sweep speed	Doppler spectrum has 4-10 waveforms	Doppler spectrum has < 4 (3 or less) or > 10 waveforms (11 or more)
Sample gate	Large enough to include 3/4th of the vessel diameter	Smaller than 3/4th of the vessel diameter
Appropriate PRF	The waveform fits at least 75% of the pulse wave Doppler scale or PRF	The waveform fits < 75% the pulse wave Doppler scale or PRF
Image quality	Uniform arterial waveforms, no aliasing or background artefacts or fetal breathing movements	Variable arterial waveforms/aliasing/background artefacts/fetal breathing movements