

Table 1 Reporting Practices for Additional Doppler Measures

	Obstetric Practice AU [†]	Obstetric Practice NZ [‡]	Radiology Practice AU	Radiology Practice NZ	TOTAL N (%)
	N	N	N	N	
DV[§] Doppler performed: 123/123					
In all third trimester US	3	0	6	0	9 (7)
All third trimester US <32w	1	0	0	0	1 (1)
All third trimester US <34w	5	0	0	0	5 (4)
Never performed	26	3	2	0	31 (25)
When EFW [¶] <5 th percentile	3	0	0	0	3 (2)
When EFW<10 th percentile	5	2	0	0	5 (4)
When UA [‡] Doppler abnormal	5	3	0	1	8 (7)
When MCA [#] Doppler abnormal	4	2	0	4	10 (8)
When UA & MCA Doppler abnormal	9	3	0	2	14 (11)
EFW<10 th percentile & abnormal UA Doppler, MCA Doppler, or both	14	1	0	0	15 (12)
EFW<5 th percentile & abnormal UA & MCA Doppler	11	2	0	0	13 (11)
For other conditions	8	1	0	0	9 (7)
Doppler index/indices reported: 92/93 (31 never performed DV Doppler)					
SD ^{§§}	5	0	0	0	5 (5)
PI ^{¶¶}	10	10	1	4	25 (27)
RI ^{‡‡}	2	0	0	0	2 (2)
PVIV ^{‡‡}	18	1	0	1	20 (22)
PI & A-wave	4	1	0	1	6 (7)
PVIV & A-wave	5	0	0	0	5 (5)
A-wave	16	1	2	0	19 (21)
Other	6	1	3	1	10 (11)
DV Doppler chart: 93/93					
Unsure	34	11	4	2	51 (55)
Kessler ¹	7	2	0	5	14 (15)
Hecher ²	6	1	0	0	7 (8)
Turan ³	2	0	0	0	2 (2)
Baschat ⁴	1	0	0	0	1 (1)
No chart – A-wave only	14	2	2	0	18 (19)
UtA^{§§§} Doppler performed: 122/123					
In all third trimester scans	4	0	0	0	4 (3)
Never performed in third trimester	51	7	6	3	67 (55)
When EFW<5 th percentile	4	1	0	0	5 (4)
When EFW<10 th percentile	9	4	1	1	14 (11)
Risk of FGR ^{¶¶¶}	8	2	1	0	11 (9)
Other	14	3	0	3	20 (16)
Doppler index/indices reported: 60/63 (60 never performed UtA Doppler)					
PI	24	9	1	5	39 (65)
RI	4	0	0	0	4 (7)
SD	4	0	0	0	4 (7)
Presence of diastolic notch	3	0	0	0	3 (5)
Co-reporting of indices	5	1	1	2	10 (17)
UtA Doppler chart: 61/63					
Unsure	25	4	0	2	31 (51)
Gomez ⁵	7	5	2	5	18 (30)
Achayra	6	1	0	0	7 (11)
Geipel ⁶	1	0	0	0	1 (1)
Kaminopetros ⁷	1	0	0	0	1 (1)
Merz ⁸	1	0	0	0	1 (1)
Schaffer (unpublished)	1	0	0	0	1 (1)

† Australia

‡ New Zealand

§ ductus venosus

¶ estimated fetal weight

‡ umbilical artery

middle cerebral artery

§§ systolic diastolic ratio

¶¶ pulsatility index

‡‡ resistive index

‡‡‡ pulsatility index for veins

§§§ uterine artery

¶¶¶ fetal growth restriction

References

1. Kessler J, Rasmussen S, Hanson M, Kiserud T. Longitudinal reference ranges for ductus venosus flow velocities and waveform indices. *Ultrasound in obstetrics & gynecology*. 2006;28(7):890-8.
2. Hecher K, Campbell S, Snijders R, Nicolaides K. Reference ranges for fetal venous and atrioventricular blood flow parameters. *Ultrasound in Obstetrics and Gynecology: The Official Journal of the International Society of Ultrasound in Obstetrics and Gynecology*. 1994;4(5):381-90.
3. Turan OM, Turan S, Sanapo L, Wilruth A, Berg C, Gembruch U, et al. Reference ranges for ductus venosus velocity ratios in pregnancies with normal outcomes. *Journal of Ultrasound in Medicine*. 2014;33(2):329-36.
4. Baschat AA. Relationship between placental blood flow resistance and precordial venous Doppler indices. *Ultrasound in Obstetrics & Gynecology*. 2003;22(6):561-6.
5. Gómez O, Figueras F, Fernández S, Bennasar M, Martínez J, Puerto B, et al. Reference ranges for uterine artery mean pulsatility index at 11–41 weeks of gestation. *Ultrasound in Obstetrics and Gynecology: The Official Journal of the International Society of Ultrasound in Obstetrics and Gynecology*. 2008;32(2):128-32.
6. Geipel A, Hennemann F, Fimmers R, Willruth A, Lato K, Gembruch U, et al. Reference ranges for Doppler assessment of uterine artery resistance and pulsatility indices in dichorionic twin pregnancies. *Ultrasound in obstetrics & gynecology*. 2011;37(6):663-7.
7. Kaminopetros P, Higuera M, Nicolaides K. Doppler study of uterine artery blood flow: comparison of findings in the first and second trimesters of pregnancy. *Fetal diagnosis and therapy*. 1991;6(1-2):58-64.
8. Merz E. *Ultrasound in Obstetrics and Gynecology Vol.1*. 2 ed. Stuttgart New York: Thieme; 2005.