



**TABLE 42. REFERENCE VALUES FOR PEAK SYSTOLIC VELOCITY OF THE MIDDLE CEREBRAL ARTERY**

GA (wk)	Peak systolic velocity (cm/sec)				
	Multiples of the median				
	1	1.3	1.5	1.7	2
15	20	26	30	34	40
16	21	27	32	36	42
17	22	29	33	37	44
18	23	30	35	39	46
19	24	31	36	41	48
20	25	33	38	43	50
21	26	34	39	44	52
22	28	36	42	48	56
23	29	38	44	49	58
24	30	39	45	51	60
25	32	42	48	54	64
26	33	43	50	56	66
27	35	46	53	60	70
28	37	48	56	63	74
29	38	49	57	65	76
30	40	52	60	68	80
31	42	55	63	71	84
32	44	57	66	75	88
33	46	60	69	78	92
34	48	62	72	82	96
35	50	65	75	85	100
36	53	69	80	90	106
37	55	72	83	94	110
38	58	75	87	99	116
39	61	79	92	104	122
40	63	82	95	107	126

GA, gestational age.

Note: Peak systolic velocity (cm/sec) =  $e^{(2.31 + 0.046 \times GA)}$ .

Reproduced with permission from Mari G, Deter RL, Carpenter RL, Rahman F, Zimmerman R, et al. Noninvasive diagnosis by Doppler ultrasonography of fetal anemia due to maternal red-cell alloimmunization. Collaborative Group for Doppler Assessment of the Blood Velocity in Anemic Fetuses. *N Engl J Med* 2000;342:9-14.