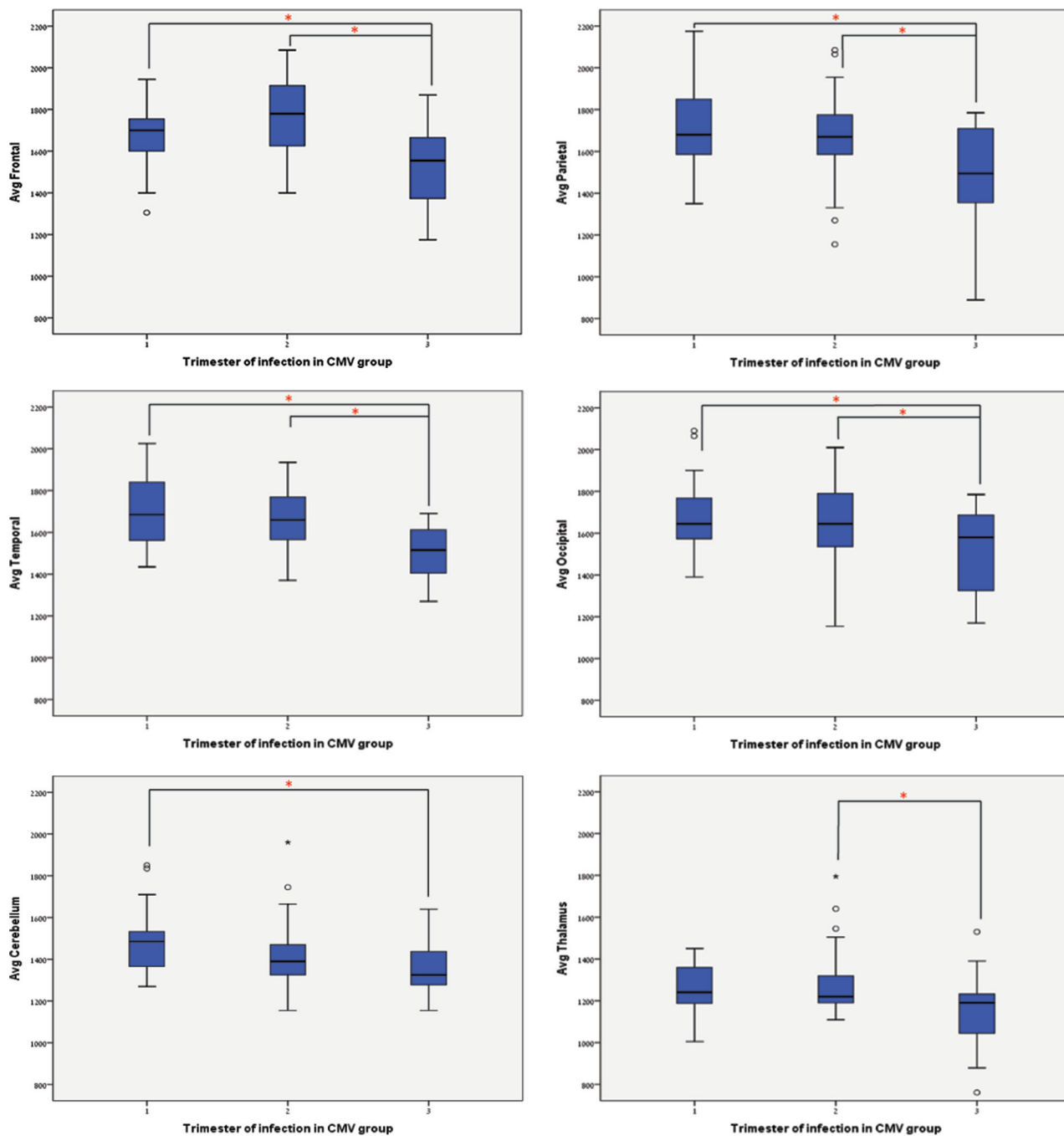
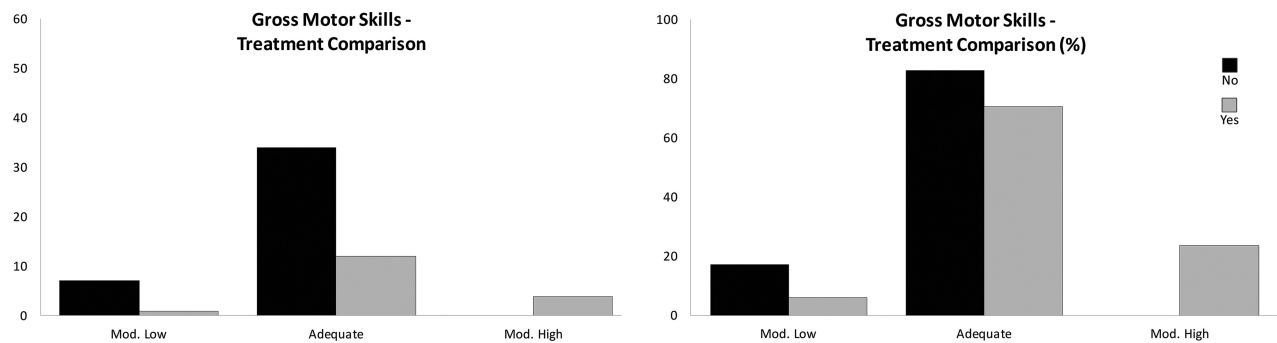




ON-LINE FIG 1. Analysis of ADC values by trimester for brain regions. A significant difference is shown with an asterisk. Avg indicates average.



ON-LINE FIG 2. Vineland Gross Motor Skills subdomain absolute results (*left*) and percentages from respective group (*right*) distributions for ganciclovir postnatal treated ($n = 17$) and nontreated ($n = 41$) neonatal CMV-infected children. Mod indicates moderate.

On-line Table 1: Patient level

	Age of Mother (yr)	GA (MRI)	Trimester (Inf.) ^a	MRI ^b	Age of Child (mo)	Sex	Hearing Disability ^c	Treatment ^c
CMV								
1	31.04	33	1	2	40	F	0	1
2	38.16	30	1	1	43	M	0	0
3	30.18	35	1	1	45	M	0	0
4	24.96	34	1	3, 4	42	M	0	1
5	26.80	33	1	1	49	M	1	1
6	33.27	35	1	1	47	M	1	1
7	35.52	31	1	1	51	F	0	0
8	32.47	33	1	1	51	F	0	1
9	30.59	31	1	1	—	—	—	—
10	29.28	31.5	1	1	—	—	—	—
11	26.84	31	1	2	—	—	—	—
12	30.25	28	1	1	—	—	—	—
13	34.17	32	1	1	—	—	—	—
14	34.97	32	1	1	27	F	0	1
15	35.93	32	1	1	14	M	0	0
16	35.58	32	1	1	26	M	1	1
17	29.19	31.5	1	1	26	M	0	0
18	26.65	32	1	1	28	M	0	0
19	28.46	32	2	1	36	M	0	0
20	30.72	33.5	2	1	38	M	0	0
21	40.72	35	2	1	39	M	0	0
22	28.56	34	2	1	38	F	0	0
23	37.01	32	2	1	44	M	0	1
24	37.93	33	2	1	44	M	0	0
25	33.19	31	2	1	42	F	0	0
26	24.86	36	2	1	44	M	0	0
27	36.25	36	2	1	49	M	0	0
28	39.82	35	2	1	—	—	—	—
29	36.08	33	2	2	53	M	0	1
30	30.23	34	2	1	52	F	0	0
31	28.83	36	2	1	59	F	0	0
32	35.37	31	2	1	66	M	0	1
33	38.59	33	2	2	21	M	0	0
34	31.98	34	2	1	22	M	0	1
35	30.88	33.2	2	2, 3	—	—	—	—
36	32.31	35	2	1	26	M	0	0
37	25.82	31	2	4	28	F	0	1
38	37.12	34	2	1	36	F	0	0
39	33.17	32	2	1	—	—	—	—
40	30.33	30	2	1	26	M	0	0
41	29.67	32	2	1	36	M	0	1
42	32.18	34	3	1	—	—	—	—
43	30.63	35	3	1	54	M	0	0
44	33.75	36	3	1	55	M	0	1
45	38.18	38	2	1	132	F	0	0
46	27.22	32	1	1	124	M	0	1
47	29.41	32	1	1	118	F	1	0
48	29.54	35	3	1	117	F	0	0
49	22.58	33	3	1	115	F	0	0
50	30.28	30	2	3	—	—	—	—
51	34.45	35	2	2	106	F	0	0
52	28.47	34	2	1	—	—	—	—
53	22.70	35	1	1	103	F	0	0
54	34.97	30	1	1	101	M	1	1
55	33.00	36	2	1	—	—	—	—
56	28.11	28	2	1	—	—	—	—
57	28.13	35	2	2	94	M	0	1
58	33.19	35	3	1	95	F	0	0
59	31.87	35	3	1	93	F	0	0
60	23.81	34	3	1	—	—	—	—
61	34.75	35	3	1	—	—	—	—
62	34.13	33	2	1	—	—	—	—
63	24.00	34	2	2, 3	80	F	1	0
64	23.28	31	2	1	81	F	1	0

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On-line Table 1: Continued

	Age of Mother (yr)	GA (MRI)	Trimester (Inf.) ^a	MRI ^b	Age of Child (mo)	Sex	Hearing Disability ^c	Treatment ^c
65	33.27	34	3	1	—	—	—	—
66	32.83	34	2	2	—	—	—	—
67	31.76	31	1	2	—	—	—	—
68	30.17	37	4	2	77	M	0	0
69	33.27	32	2	1	77	M	0	0
70	36.20	33	3	1	77	F	1	0
71	35.18	31	3	1	—	—	—	—
72	36.63	32	2	1	72	F	0	0
73	38.58	35.5	3	1	—	—	—	—
74	25.20	33	2	1	—	—	—	—
75	31.30	32	2	1	27	F	0	0
76	29.45	36	3	1	104	F	0	0
77	32.77	35	3	1	93	M	0	0
78	29.23	34	4	1	85	M	0	0
79	24.51	28	4	1	—	—	—	—
80	35.11	34	4	1	—	—	—	—
81	32.91	35	4	1	—	—	—	—
82	31.91	35	4	1	71	F	0	0
83	28.26	—	4	1	—	—	—	—
Controls								
1	23.67	38	—	—	—	—	—	—
2	31.25	33	—	—	—	—	—	—
3	30.24	31	—	—	—	—	—	—
4	37.57	36	—	—	—	—	—	—
5	35.87	35	—	—	—	—	—	—
6	39.75	30	—	—	—	—	—	—
7	29.92	29	—	—	—	—	—	—
8	28.42	32	—	—	—	—	—	—
9	29.92	31	—	—	—	—	—	—
10	22.42	28	—	—	—	—	—	—
11	21.92	32	—	—	—	—	—	—
12	36.58	32	—	—	—	—	—	—
13	34.75	31	—	—	—	—	—	—
14	35.42	33	—	—	—	—	—	—
15	32.08	33	—	—	—	—	—	—
16	36.00	33	—	—	—	—	—	—
17	38.00	29	—	—	—	—	—	—
18	41.33	30	—	—	—	—	—	—
19	37.75	31	—	—	—	—	—	—
20	38.58	29	—	—	—	—	—	—
21	32.08	31	—	—	—	—	—	—
22	36.33	33	—	—	—	—	—	—
23	30.75	32	—	—	—	—	—	—
24	41.00	32	—	—	—	—	—	—
25	24.67	28	—	—	—	—	—	—
26	21.67	32	—	—	—	—	—	—
27	30.75	33	—	—	—	—	—	—
28	31.33	32	—	—	—	—	—	—
29	33.00	32	—	—	—	—	—	—
30	22.42	28	—	—	—	—	—	—
31	32.67	32	—	—	—	—	—	—
32	36.33	33	—	—	—	—	—	—
33	26.08	29	—	—	—	—	—	—
34	32.25	32	—	—	—	—	—	—
35	31.25	32	—	—	—	—	—	—
36	30.17	32	—	—	—	—	—	—
37	30.08	26	—	—	—	—	—	—
38	34.67	31	—	—	—	—	—	—
39	35.33	30	—	—	—	—	—	—
40	30.92	32	—	—	—	—	—	—
41	26.83	32	—	—	—	—	—	—
42	25.08	31	—	—	—	—	—	—
43	34.67	32	—	—	—	—	—	—
44	31.75	30	—	—	—	—	—	—
45	29.92	32	—	—	—	—	—	—
46	39.67	27	—	—	—	—	—	—

On-line Table 1: Continued

	Age of Mother (yr)	GA (MRI)	Trimester (Inf.) ^a	MRI ^b	Age of Child (mo)	Sex	Hearing Disability ^c	Treatment ^c
47	31.75	31	—					
48	32.00	32	—					
49	32.00	32	—					
50	32.00	32	—					
51	34.00	33	—					
52	31.00	31	—					
53	33.00	32	—					
54	32.00	32	—					
55	34.00	34	—					
56	28.00	28	—					
57	34.00	32	—					
58	35.00	32	—					
59	29.00	31	—					
60	31.00	36	—					
61	31.00	36	—					
62	34.12	36	—					
63	34.48	34	—					
64	30.53	30	—					
65	29.38	37	—					
66	33.79	32	—					
67	34.68	32	—					
68	29.82	38	—					

Note:—Inf. indicates infection; GA, gestational age.

^a Trimester 4: unknown trimester of infection.

^b MRI: 1 = normal findings, 2 = suspected white matter changes, 3 = suspected periventricular cyst, 4 = mild ventriculomegaly (<12 mm).

^c Hearing Disability/Treatment: 0 = no, 1 = yes.

On-line Table 2: Regional effects of cytomegalovirus infection on fetal brain ADC analysis with only one scan per fetus^a

Region	Controls ± SD	CMV Group ± SD	P Value
Frontal lobe	1762.3 ± 191.6	1677.9 ± 186.1	.007
Parietal lobe	1733.9 ± 228.9	1637.4 ± 220.5	.009
Occipital lobe	1700.2 ± 193.7	1632.6 ± 179.0	.027
Temporal lobe	1687.5 ± 172.5	1634.3 ± 155.7	.049
Basal ganglia	1448.5 ± 212.3	1379.8 ± 145.7	.025
Thalamus	1354.2 ± 220.7	1250.4 ± 157.3	.001
Cerebellum	1486.3 ± 198.7	1415.8 ± 148.7	.014
Pons	1359.2 ± 189.3	1292.5 ± 164.7	.022

^a Data are means. ADC units are 10⁶ mm²/s.

On-line Table 3: VABS-II scores

Domains and Subdomains	Adaptive Level	Expected Frequency	Observed Frequency	χ^2	P Value
Receptive	Low	1.45	0	42.083	<.001
	Mod. low	7.83	3		
	Adequate	39.44	28		
	Mod. high	7.83	22		
	High	1.45	5		
Expressive	Sum	58	58	3.022	.554
	Low	1.45	0		
	Mod. low	7.83	5		
	Adequate	39.44	42		
	Mod. high	7.83	9		
Written	High	1.45	2	17.871	.001
	Sum	58	58		
	Low	1.175	1		
	Mod. low	6.345	16		
	Adequate	31.96	26		
Communication	Mod. high	6.345	4	6.311	.177
	High	1.175	0		
	Sum	47	47		
	Low	1.45	0		
	Mod. low	7.83	4		
Personal	Adequate	39.44	47	6.022	.198
	Mod. high	7.83	7		
	High	1.45	0		
	Sum	58	58		
	Low	1.425	0		
Domestic	Mod. low	7.695	4	6.906	.141
	Adequate	38.76	47		
	Mod. high	7.695	5		
	High	1.425	1		
	Sum	57	57		
Community	Low	1.45	1	3.513	.476
	Mod. low	7.83	6		
	Adequate	39.44	48		
	Mod. high	7.83	2		
	High	1.45	1		
Daily Living Skills	Sum	58	58	13.114	.011
	Low	1.45	0		
	Mod. low	7.83	4		
	Adequate	39.44	52		
	Mod. high	7.83	2		
Interpersonal Relationships	High	1.45	0	9.308	.054
	Sum	58	58		
	Low	1.45	0		
	Mod. low	7.83	11		
	Adequate	39.44	45		
Play Time and Leisure	Mod. high	7.83	2	3.140	.535
	High	1.45	0		
	Sum	58	58		
	Low	1.45	4		
	Mod. low	7.83	26		
Coping Skills	Adequate	39.44	27	57.981	<.001
	Mod. high	7.83	1		
	High	1.45	0		
	Sum	58	58		
	Low	1.45	0		

Continued on next page

On-line Table 3: Continued

Domains and Subdomains	Adaptive Level	Expected Frequency	Observed Frequency	χ^2	P Value
Socialization	Low	1.45	0	13.463	.009
	Mod. low	7.83	11		
	Adequate	39.44	47		
	Mod. high	7.83	0		
	High	1.45	0		
	Sum	58	58		
Gross Motor Skills	Low	1.45	0	5.868	.209
	Mod. low	7.83	8		
	Adequate	39.44	46		
	Mod. high	7.83	4		
	High	1.45	0		
	Sum	58	58		
Fine Motor Skills	Low	1.425	0	3.123	.537
	Mod. low	7.695	9		
	Adequate	38.76	40		
	Mod. high	7.695	8		
	High	1.425	0		
	Sum	57	57		
Motor Skills	Low	1.425	0	6.749	.15
	Mod. low	7.695	6		
	Adequate	38.76	47		
	Mod. high	7.695	4		
	High	1.425	0		
	Sum	57	57		
Adaptive Behavior Composite	Low	1.425	0	14.972	.005
	Mod. low	7.695	4		
	Adequate	38.76	52		
	Mod. high	7.695	1		
	High	1.425	0		
	Sum	57	57		

Note:—Mod. indicates moderate.