Supplemental Information

SUPPLEMENTAL TABLE 3 Baseline Characteristics of Children Tested With the WPPSI-III at 6 Years of Age

	WPPSI-III–Only Infants (GA ≤30 wk)		*P*
	CMV-Positive (*n* = 33)	CMV-Negative (*n* = 85)	
Clinical and demographic characteristics			
GA, mean, wk (range)	27.6 (25.3–29.9)	27.4 (24.7–30)	.356
Birth weight, mean, g (SD)	1074 (273)	945 (209)	.018
SGA, *n* (%)	1 (3)	12 (14)	.084
Male sex, *n* (%)	21 (64)	45 (53)	.294
NWMO, *n* (%)	20 (61)	7(8)	<.001
Apgar score at 1 min, mean (SD)	7 (2)	6 (2)	.122
Apgar score at 5 min, mean (SD)	8 (1)	8 (1)	.748
Breast milk, *n* (%)	33 (100)	65 (77)	.002
RDS, *n* (%)	13 (39)	66 (77)	<.001
>7 d mechanical ventilation, *n* (%)	2 (6)	26 (31)	.005
Chronic lung disease, *n* (%)	1 (3)	8 (9)	.241
PDA, *n* (%)	9 (27)	31 (37)	.343
Surgery for PDA	2 (6)	4 (5)	.764
Hypotension treated with inotropes, *n* (%)	4 (12)	48 (57)	<.001
No. transfusions, median (range)	2 (0–15)	4 (0–18)	.015
Sepsis, *n* (%)	5 (15)	36 (42)	.005
Necrotizing enterocolitis, *n* (%)	0	2 (2)	.374
NICU admission d, mean (SD)	36 (20)	52 (22)	<.001
SES			
Low, *n* (%)	10 (30)	12 (14)	.043
Average, *n* (%)	17 (52)	56 (66)	.149
High, *n* (%)	6 (18)	17 (20)	.823
Cranial ultrasonography findings			
IVH (%)			
Grade I, *n* (%)	5 (15)	8 (9)	.371
Grade II, *n* (%)	2 (6)	10 (12)	.358
LSV at TEA, *n* (%)	13 (39)	17 (20)	.030
Germinolytic cysts at TEA, *n* (%)	5 (16)	10 (13)	.716
Maternal education			
Low, *n* (%)	4 (12)	18 (21)	.257
Average, *n* (%)	11 (33)	28 (33)	.968
High, *n* (%)	17 (52)	39 (46)	.582

PDA, patent ductus arteriosus.

SUPPLEMENTAL TABLE 4 Baseline Characteristics of Children With a pCMV Infection and Hearing Assessment at 6 Years of Age

	Hearing Test at 6 y of Age (n = 56)
GA, mean, wk (SD)	27.9 (1.8)
GA ≤27 wk, *n* (%)	21 (38)
Birth wt, mean, g (SD)	1070 (263)
Male sex, *n* (%)	31 (55)
Symptomatic pCMV infection, *n* (%)	3 (5)
LSV at TEA, *n* (%)	20 (36)
Germinolytic cysts at TEA, *n* (%)	6 (15)
IVH present on cUS	18 (32)
Grade I, *n* (%)	5 (9)
Grade II, *n* (%)	8 (14)
Grade III, *n* (%)	3 (5)
Grade IV, *n* (%)	2 (4)
Treated PHVD, *n* (%)	5 (26)
CMV load, median, IU/mL (range)	2.8×10^5 (1.3×10^2–3×10^7)
>7 d mechanical ventilation, *n* (%)	7 (13)
HFO ventilation, *n* (%)	6 (11)
PDA treated with indomethacin, *n* (%)	17 (30)
Hypotension treated with inotropes, *n* (%)	11 (20)
Use of loop diuretics, *n* (%)	5 (9)
Use of aminoglycosides, *n* (%)	54 (96)

cUS, cranial ultrasound; HFO, high-frequency oscillation; PHVD, posthemorrhagic ventricular dilatation.

SUPPLEMENTAL TABLE 5 Multiple Regression Analysis of AOIW

AOIW	R^2	B	95% CI	*P*
	0.072	—	—	—
NWMO	—	−1.7	−2.7 to −0.8	.001
MV >7 d	—	0.9	−1.4 to 0.3	.060
CMV	—	−0.2	−1.1 to 0.9	.744

B, unstandardized coefficient; MV, mechanical ventilation; —, not applicable.

SUPPLEMENTAL TABLE 6 Multiple Regression Analysis of the 4 Domains of the WPPSI-III

	TIQ				VIQ				PIQ				PS			
	R^2	B	95% CI	*P*	R^2	B	95% CI	*P*	R^2	B	95% CI	*P*	R^2	B	95% CI	*P*
	0.10				0.18				0.04				0.04			
NWMO		−5.6	−13 to 1.8	.136		−7.7	−15.3 to −0.04	.049		−4.7	−11.8 to 2.3	.186		7.4	−0.04 to 14.9	.051
RDS		−5.9	−11.6 to −0.1	.046		−8.8	−14.8 to −2.9	.004		−3.7	−9.2 to 1.8	.187		−0.3	−6.2 to 5.5	.914
LME		−5.4	−12 to 1.3	.111		−8.3	−15.1 to −1.4	.019		−0.3	−6.6 to 6.1	.936		−4.3	−11.0 to 2.4	.209
CMV		−5	−12.2 to 2.3	.178		−6.4	−13.9 to 1.1	.093		−1	−7.9 to 5.9	.779		−5.5	−12.8 to 1.9	.142

B, unstandardized coefficient; LME, low maternal education; PIQ, performance IQ; PS, processing speed quotient; TIQ, total IQ; VIQ, verbal IQ.

SUPPLEMENTAL TABLE 7 Birth Characteristics at 6 Years of Age of Children With a Symptomatic pCMV Infection

	Child 1	Child 2	Child 3	Child 4 (Deceased)
GA, mean, wk (SD)	26	27.3	28	29.4
Symptoms	Pneumonia	Thrombocytopenia	SLS, pneumonia, thrombocytopenia	Pneumonia
Viral load, copies per mL	6.72×10^5	1.75×10^5	5.94×10^7	7.29×10^4
Neonatal cUS result	GL cyst	Bilateral LSV	GL cyst	GL cyst, PL cyst, IVH

cUS, cranial ultrasound; GL, germinal layer; PL, plexus.

SUPPLEMENTAL TABLE 8 Outcome at 6 Years of Age of Children With a Symptomatic pCMV Infection

WPPSI-III	1	2	3	4 (Deceased)	Symptomatic Mean, 95% CI (n = 3)	Asymptomatic Mean, 95% CI (n = 30)	P
TIQ	110	93	103		102 (81 to 123)	95 (90 to 101)	.478
VIQ	100	80	113		98 (56 to 139)	96 (90 to 103)	.901
PIQ	113	107	87		102 (69 to 136)	100 (95 to 105)	.753
PS	115	109	88		104 (69 to 139)	91 (85 to 97)	.187

PIQ, performance IQ; PS, processing speed quotient; TIQ, total IQ; VIQ, verbal IQ.