

Supplementary Materials

Figures

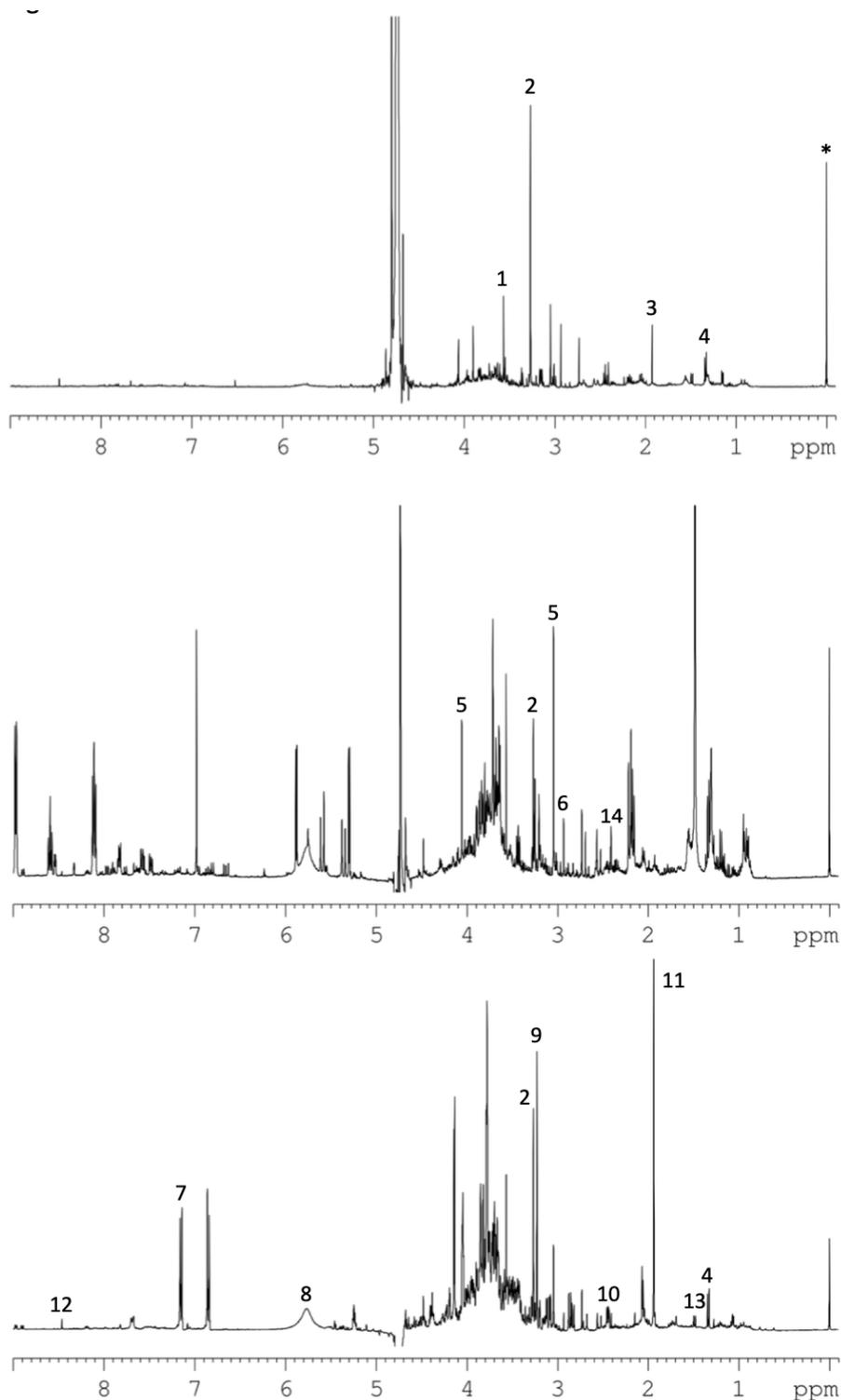


Figure S1. ^1H NMR spectra of three randomly selected urine samples to show considerable interindividual variation. Tentative assignments are: 1: glycine, 2: betaine, 3: acetate, 4: lactate, 5: creatinine, 6: choline, 7: tyrosine, 8: urea, 9: carnitine, 10: succinate, 11: citrate *TSP added as concentration and chemical shift reference.

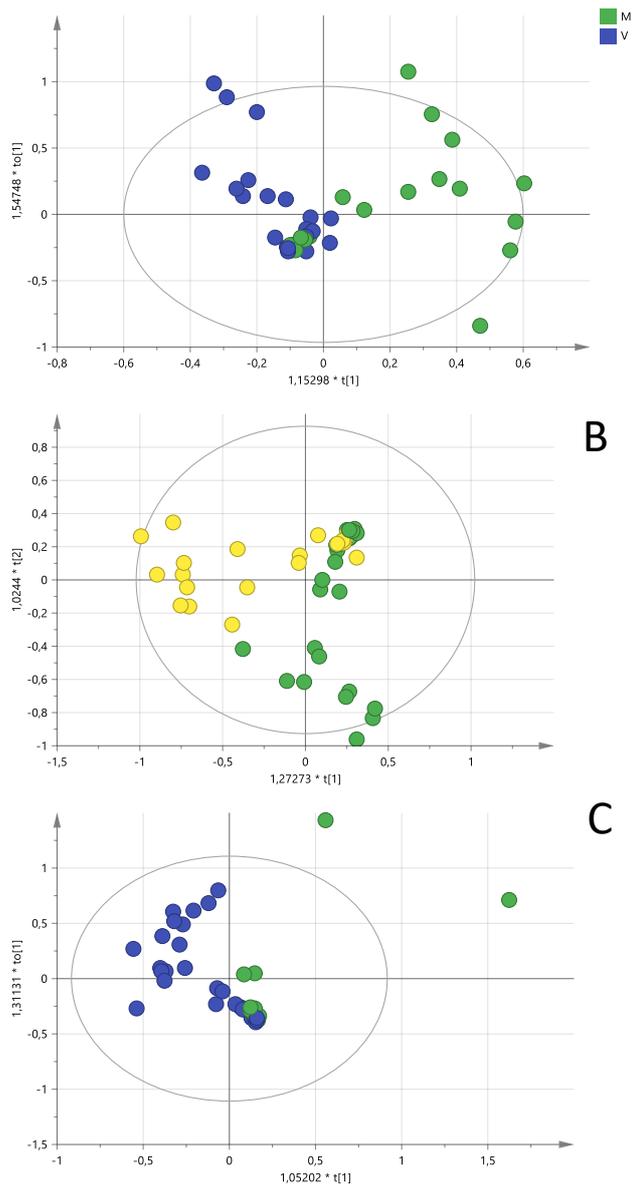


Figure S2. Score plots corresponding to the OPLS-DA models shown in Table 2. Only the one corresponding to chronological age was statistically significant according to CV-ANOVA. **(A)** OPLS-DA Score plot corresponding to boys (blue) and girls (green). **(B)** OPLS-DA Score plot corresponding to chronological age neonates (yellow) and infants older than 28 days (green). **(C)** OPLS-DA Score plot corresponding pHCMV (blue) and cHCMV(green).

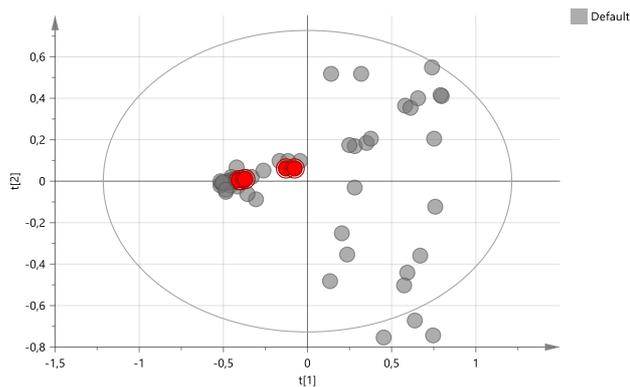


Figure S3. Score plots corresponding to the PCA model with samples identified according to the hospital of origin. Grey markings are samples from Hospital Vall d'Hebron, red markings other hospitals.

Tables

Table S1. Urine metabolites in neonates with and without HCMV infection. Mmol of metabolite/mmol of total Creatinine. Data expressed as mean \pm standard deviation.

	HCMV	Control	p
Acetate	1.11 \pm 2.52	1.05 \pm 2.09	ns
Alanine	0.14 \pm 0.06	0.26 \pm 0.15	0.031
Betaine	0.84 \pm 0.62	0.77 \pm 0.58	ns
Dimethylamine	0.16 \pm 0.08	0.23 \pm 0.21	ns
Glycine	0.76 \pm 0.52	1.37 \pm 0.68	0.030
Succinate	0.22 \pm 0.47	0.13 \pm 0.11	ns

Table S2. Urine metabolites in patients older than 28 days of life with and without HCMV infection. Mmol of metabolite/mmol of total Creatinine. Data expressed as mean \pm standard deviation.

	HCMV	Control	p
Acetate	2.90 \pm 4.04	0.83 \pm 1.20	ns
Alanine	0.40 \pm 0.38	0.26 \pm 0.14	ns
Betaine	1.29 \pm 0.72	0.87 \pm 0.34	ns
Dimethylamine	0.28 \pm 0.10	0.25 \pm 0.11	ns
Glycine	1.41 \pm 1.01	1.23 \pm 0.80	ns
Succinate	0.66 \pm 1.06	0.15 \pm 0.14	ns