

Appendix 1 (as supplied by the authors): Supplemental tables

Note: Earn CPD credits go to <https://www.cmaj.ca/lookup/suppl/doi:10.1503/cmaj.200821/-/DC2>

Supplemental Table S1. Results of maternal and neonatal clinical investigations.											
Days	Reference Range		2 Days before Birth	1 Day before Birth	Day of Birth	Day 1 after Birth	Day 2 after Birth	Day 3 after Birth	Day 4 after Birth	Day 7 after Birth	
Maternal Investigations											
Platelet count	x 10 ⁹ /liter	140-400	127	98	82	78	85	84	93		
White cell count	x 10 ⁹ /liter	3-10	0.51	1.06	1.82	2.65	9.78	12.42	12.48		
Absolute neutrophil count	x 10 ⁹ /liter	1.5-7	0.07	0.33	0.61	0.82	4.44	6.54	7.69		
Maternal COVID-19 Results											
Nasopharyngeal swab	Detection of SARS-CoV-2 gene targets by reverse transcription polymerase chain reaction testing		positive							positive	
Placental swab - maternal side					positive						
Placental swab - fetal side					positive						
Placenta - Parenchyma					positive						
Placenta - Chorion					positive						
Umbilical cord tissue					ND						
Vaginal swab							positive				positive
Expressed breast milk swab								positive			ND
Rectal swab											ND
Blood									ND	ND	
Infant Investigations											
Hemoglobin	g/liter	125-220				177	159		168	156	
Platelet count	x 10 ⁹ /liter	150-600				229	234		229	155	
White cell count	x 10 ⁹ /liter	8.4-34				7.48	6.31		4.53	8.36	
Absolute neutrophil count	x 10 ⁹ /liter	4-26				0.3	0.32		0.31	0.19	
Absolute lymphocyte count	x 10 ⁹ /liter	2-7				4.23	4.26		2.42	5.79	
Aspartate aminotransferase	U/liter	13-37							99	60	
Alanine aminotransferase	U/liter	15-54							26	18	
Alkaline phosphatase	U/liter	168-475							152		
C-reactive protein	mg/liter						0.4				
Total bilirubin	µmol/liter	1-200					87	132	180		

Glucose	μmol/liter	3.5-6		2.4	2.2-4.6	1.8-4.5	2.9-4.7	2.8-3.4	4.5
Infant COVID-19 Results									
Nasopharyngeal swab	Detection of SARS-COV-2 gene targets by reverse-transcription polymerase chain reaction testing			positive		positive			positive
Blood					NI	ND*		positive	ND
Stool swab									positive
Note: ND = not detected, NI = not interpretable due to reverse-transcription polymerase chain reaction inhibition. *Sample was diluted 1:3 in order to have sufficient volume for testing									

Supplemental Table S2. Detailed SARS-CoV-2 reverse transcription polymerase chain reaction results							
Maternal SARS-CoV-2 Results							
Days	Gene target	2 Days before Birth	Day of Birth	Day 1 after Birth	Day 2 after Birth	Day 4 after Birth	Day 7 after Birth
Nasopharyngeal swab	Envelope Gene Ct	20.81					30.19
	RdRp Gene Ct	24.07					31.82
	Nucleocapsid gene Ct	24.27					33.76
Placental swab - maternal side	Envelope Gene Ct		13.59				
	RdRp Gene Ct		15.50				
	Nucleocapsid gene Ct		15.54				
Placental swab - fetal side	Envelope Gene Ct		26.68				
	RdRp Gene Ct		26.96				
	Nucleocapsid gene Ct		28.46				

Placenta - Parenchyma	Envelope Gene Ct		26.57				
	RdRp Gene Ct		28.11				
	Nucleocapsid gene Ct		28.87				
Placenta - Chorion	Envelope Gene Ct		35.60				
	RdRp Gene Ct		37.19				
	Nucleocapsid gene Ct		38.05				
Umbilical cord tissue	Envelope Gene Ct		ND				
	RdRp Gene Ct		ND				
	Nucleocapsid gene Ct		ND				
Vaginal swab	Envelope Gene Ct			34.06			29.92
	RdRp Gene Ct			35.08			31.16
	Nucleocapsid gene Ct			36.99			32.29
Plasma	Envelope Gene Ct				ND	ND	
	RdRp Gene Ct				ND	ND	
	Nucleocapsid gene Ct				ND	ND	
Expressed breast milk swab	Envelope Gene Ct				30.58		ND
	RdRp Gene Ct				32.56		ND
	Nucleocapsid gene Ct				34.66		ND
Rectal swab	Envelope Gene Ct						ND

	RdRp Gene Ct						ND
	Nucleocapsid gene Ct						ND
Infant SARS-CoV-2 Results							
Nasopharyngeal swab	Envelope Gene Ct		ND		19.15		16.83
	RdRp Gene Ct		37.42		20.79		18.02
	Nucleocapsid gene Ct		ND		21.74		19.57
Plasma	Envelope Gene Ct			NI	ND*	ND	ND
	RdRp Gene Ct			NI	ND*	35.76	ND
	Nucleocapsid gene Ct			NI	ND*	36.96	ND
Stool swab	Envelope Gene Ct						26.14
	RdRp Gene Ct						31.86
	Nucleocapsid gene Ct						29.25
<p>Note: Ct = cycle threshold, ND = not detected, NI = not interpretable due to reverse-transcription polymerase chain reaction inhibition; RdRp = RNA-dependent RNA polymerase.</p> <p>*Sample was diluted 1:3 in order to have sufficient volume for testing.</p> <p>The Allplex 2019-nCoV reverse transcription polymerase chain reaction assay (Seegene, South Korea) undergoes 40 cycles in an attempt to detect three SARS-CoV-2 gene targets (envelope, RNA-dependent RNA polymerase and nucleocapsid genes). The cycle in which a gene is detected (known as the cycle threshold) indirectly reflects its viral load, with lower cycle thresholds reflecting higher viral loads and higher cycle thresholds reflecting lower viral loads. All single gene positives noted during the assay's verification were sent for amplicon sequencing and confirmed not to be non-specific amplification.</p> <p>All single gene positives noted during the assay's verification were sent for amplicon sequencing and confirmed not to be non-specific amplification.</p>							