

Supplemental Information

IMPACT OF NOSOCOMIAL VRTIS ON NICU INFANTS: MATCHED CASE–CONTROL STUDY

SUPPLEMENTAL TABLE 3 PCR Primer Probes Used

Target	Name	5' to 3' Sequence
Adenovirus F ⁴¹	ADENF	GCC ACG GTG GGG TTT CTA AAC TT
Adenovirus R ⁴¹	ADENR	GCC CCA GTG GTC TTA CAT GCA CAT C
H1 swine F ⁴²	H1swF	TTA CCA GAT TTT GGC GAT CTA YT
H1 swine R ⁴²	H1swR	CCA GGG AGA CTA SCA RTA CCA
Influenza A F ⁴³	CDC A F	GACCRATCCTGTACACCTCTGAC
Influenza A R ⁴³	CDC A R	AGGGCATTYTGACAAAKCGTCTA
Influenza B F ⁴⁴	BNPF	GCA GCT CTG ATG TCC ATC AAG CT
Influenza B R ⁴⁴	BNPR	CAG CTT GCT TGC TTA RAG CAA TAG GTC T
Metapneumovirus F ⁴⁵	MPVF	CAT ATA AGC ATG CTA TAT TAA AAG AGT CTC
Metapneumovirus R ⁴⁵	MPVR	CCT ATT TCT GCA GCA TAT TTG TAA TCA G
Parainfluenza 1 F ⁴⁶	PIV1F	ACC TAC AAG GCA ACA ACA TC
Parainfluenza 1 R ⁴⁶	PIV1R	CTT CCT GCT GGT GTG TTA AT
Parainfluenza 2 F ⁴⁶	PIV2F	CCA TTT ACC TAA GTG ATG GAA
Parainfluenza 2 R ⁴⁶	PIV2R	CGT GGC ATA ATC TTC TTT TT
Parainfluenza 3 F ⁴⁶	PIV3F	CCA GGG ATA TAY TAY AAA GGC AAA A
Parainfluenza 3 R ⁴⁶	PIV3R	CCG GGR CAC CCA GTT GTG
Parainfluenza 4 F ⁴⁷	PF4F	GAG GGC CTA ATC ACR ACA ATG
Parainfluenza 4 R ⁴⁷	PF4R	TGT TTA AAC TYC TGA GAC TTA CTT TTG A
Rhinovirus F1 (RHVF1) ⁴⁸	RHVF1	GAC ARG GTG TGA AGA GCC
Rhinovirus F2 (RHVF2) ⁴⁸	RHVF2	GAC ATG GTG TGA AGA CYC
Rhinovirus R (RHVR) ⁴⁸	RHVR	CAA AGT AGT YGG TCC CAT ML
RSV A F ⁴⁶	RSVAF	AGA TCA ACT TCT GTC ATC CAG CAA
RSV A R ⁴⁶	RSVAR	TTC TGC ACA TCA TAA TTA GGA GTA TCA AT
RSV B F ⁴⁶	RSVBF	AAG ATG CAA ATC ATA AAT TCA CAG GA
RSV B R ⁴⁶	RSVBR	TGA TAT CCA GCA TCT TTA AGT ATC TTT ATA GTG

SUPPLEMENTAL REFERENCES

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SUPPLEMENTAL TABLE 4 Univariable ORs for Escalation in Respiratory Support Among VRTI-Positive Infants

Variable	N (% Requiring Escalation)	OR	95% CI	P
Sex				
Male	49 (53.1)	1		
Female	43 (48.8)	0.74	0.30–1.78	.50
Birth weight, g				
>2500	14 (50.0)	1		
1501–2500	18 (38.9)	0.55	0.09–3.23	
1000–1500	28 (50.0)	0.18	0.01–3.09	.67
<1000	32 (59.4)	0.25	0.01–5.01	
Place of birth				
Inborn	72 (51.4)	1.00		
Outborn	20 (50.0)	0.67	0.22–2.04	.48
Level of birth unit				
NICU	80 (51.3)	1.00		
LNU	10 (50.0)	0.71	0.17–2.93	.76
SCU	2 (50.0)	0.39	0.02–7.42	
Mode of delivery^a				
Normal vaginal delivery	49 (57.1)	1.00		
Elective cesarean delivery	7 (42.9)	0.53	0.10–2.84	.42
Emergency cesarean delivery	36 (44.4)	0.53	0.19–1.45	
No. of siblings				
None	42 (47.6)	1.00		
≥1	29 (65.5)	2.12	0.71–6.28	.08
Missing	21 (38.1)	0.47	0.14–1.51	
Did mother receive steroids?				
Yes	64 (50.0)	1.00		
No	27 (51.9)	1.76	0.50–6.20	.38
Missing	1 (100)			
Maternal infection?				
No	73 (56.2)	1.00		
Yes	19 (31.6)	0.41	0.13–1.27	.12
IUGR				
No	78 (50.0)	1.00		
Yes	14 (57.1)	1.17	0.32–4.27	.81
Maternal smoking				
No	57 (43.9)	1.00		
Yes	25 (64.0)	2.00	0.70–5.72	.40
Missing	10 (60.0)	1.66	0.39–7.14	
1-min Apgar score				
7–10	39 (46.2)	1.00		
0–6	39 (61.5)	1.72	0.65–4.52	.37
Missing	14 (35.7)	0.77	0.20–2.93	
5-min Apgar score				
7–10	66 (50.0)	1.00		
0–6	12 (66.7)	1.95	0.48–7.88	.64
Missing	14 (42.9)	1.04	0.30–3.60	
Surfactant in delivery room				
No	46 (45.7)	1		
Yes	44 (54.6)	1.03	2.68–3.97	0.96
Missing	2 (100)			
Cardiovascular System				
No	64 (51.6)	1		
Yes	28 (50.0)	0.63	0.24–1.68	0.36
NEC				
No	72 (47.2)	1		
Yes	20 (65.0)	1.61	0.53–4.87	.40

Logistic regression, adjusted for gestation category and center. IUGR, intrauterine growth retardation; LNU, local neonatal unit; NEC, necrotizing enterocolitis; SCU, special care unit.

^a N (%).