

Table 1: Participant Demographics

Characteristics	28-day (n=14)*	16-day (n=5)**	Total (n=19)
GA at Birth, weeks, median (P25, P75)	25.50 (24.71, 26.86)	26.00 (25.43, 27.43)	25.71 (24.71, 27.43)
PMA at Enrollment, weeks, median (P25, P75)	30.79 (29.86, 31.43)	31.71 (29.43, 32.29)	30.86 (29.71, 31.57)
Birthweight, grams, mean (SD)	693.21 (198.42)	706.60 (236.55)	696.74 (202.25)
Weight at enrollment, grams, mean (SD)	1144.86 (193.79)	1209.00(463.71)	1161.74 (275.23)
Gender, N (%)			
Male	10 (71.43)	3 (60.00)	13 (68.42)
Female	4 (28.57)	2 (40.00)	6 (31.58)
Maternal Ethnicity, N (%)			
Hispanic/Latino	0 (0)	0 (0)	0 (0)
Not Hispanic/Latino	14 (100.00)	5 (100.00)	19 (100.00)
Unknown or Not Reported	0 (0)	0 (0)	0 (0)
Maternal Race, N (%)			
Black	5 (35.71)	3 (60.00)	8 (42.11)
White	9 (64.29)	2 (40.00)	11 (57.89)
Asian	0 (0)	0 (0)	0 (0)
More than One Race	0 (0)	0 (0)	0 (0)
Unknown or Not Reported	0 (0)	0 (0)	0 (0)
Complications of prematurity[†], N (%)			
Persistent Ductus Arteriosus (PDA)	9 (64.29)	4 (80.00)	13 (68.42)
Pneumonia	2 (14.29)	3 (60.00)	5 (26.32)
Sepsis	10 (71.43)	4 (80.00)	14 (73.68)
Necrotizing Enterocolitis (NEC)	0 (0)	0 (0)	0 (0)
Spontaneous Intestinal Perforation (SIP)	0 (0)	1 (20.00)	1 (5.26)
Severe Intraventricular Hemorrhage (IVH)	3 (21.43)	0 (0)	3 (15.79)
Maximum respiratory support^{††}, N (%)			
Biphasic CPAP	1 (7.14)	0 (0)	1 (5.26)
Conventional Mechanical Ventilation	10 (71.43)	2 (40.00)	12 (63.16)
High Frequency Ventilation	0 (0)	1 (20.00)	1 (5.26)
Nasal CPAP	1 (7.14)	1 (20.00)	2 (10.53)
NIMV/NIPPV	2 (14.29)	1 (20.00)	3 (15.79)
Maximum FiO₂^{††}, mean (SD)	49.64 (19.65)	50.40 (5.60)	49.84 (16.91)

GA=gestational age, P25=25th percentile, P75=75th percentile, PMA=Post Menstrual Age, CPAP=Continuous Positive Airway Pressure, NIMV=Nasal Intermittent Mandatory Ventilation, NIPPV=Nasal Intermittent Positive Pressure Ventilation

*Cohort participating in N-of-1 trial with four, 1-week blocks

**Cohort participating in N-of-1 trial with four, 4-day blocks

[†] Prior to enrollment (*Any time Prior to the Start of the N-of-1 Trial*)

^{††}Prior to start of trial (*Day Prior to Start of N-of-1 Trial*)