

Supplementary material

Supplemental Table 1. Clinical signs and time to onset in orphaned neonate kittens by treatment group

Variable	Plasma (N = 193)	Control (N = 351)	P value ^a	ASD
Any signs ≤30 days	102 (52.8 %)	231 (65.8 %)	0.0033*	0.266
Diarrhea ≤30 days	80 (41.5 %)	167 (47.6 %)	0.1780	0.123
Days until onset of diarrhea, median (IQR)	12 (8.25–16)	10 (6–14)	0.0105*	0.308
URI ≤30 days	42 (21.8 %)	64 (18.2 %)	0.3655	0.089
Days until onset of URI, median (IQR)	5 (2–14)	7 (1–16.75)	0.5491	0.148
Hypothermia ≤30 days	11 (5.7 %)	21 (6.0 %)	1.000	0.012
Days until onset of hypothermia, median (IQR)	9 (6–19)	9 (1–17)	0.5108	0.259
Anorexia ≤30 days	32 (16.6 %)	68 (19.4 %)	0.4878	0.072
Days until onset of anorexia, median (IQR)	9 (3.25–15.75)	7.5 (4–12)	0.1913	0.397
Weight loss ≤30 days	48 (24.9 %)	117 (33.3 %)	0.0412*	0.184
Days until onset of weight loss, median (IQR)	10 (6.25–17)	10 (6–12)	0.1838	0.350
Neurological signs ≤30 days	17 (8.8 %)	42 (12.0 %)	0.3134	0.102
Days until onset of neurological signs, median (IQR)	15 (8.5–22)	9.5 (3.25–16.5)	0.0413*	0.586

^a Exploratory univariate analysis without adjustment for multiple comparisons

*Significant at $\alpha = 0.05$.

ASD: Absolute Standardized Difference

Supplemental Table 2. Treatments provided to orphaned neonatal kittens within 30 days from intake by group

Treatment	Plasma (N = 193)	Control (N = 351)	P value ^a	ASD
Metronidazole	44 (22.8 %)	84 (23.9 %)	0.8328	0.03
Amoxicillin/clavulanic acid	15 (7.8 %)	20 (5.7 %)	0.3644	0.08
Doxycycline	4 (2.1 %)	23 (6.6 %)	0.0226*	0.21
FortiFlora	44 (22.8 %)	88 (25.1 %)	0.6018	0.05
Fenbendazole	33 (17.1 %)	50 (14.2 %)	0.3851	0.08
Pyrantel pamoate	3 (1.6 %)	8 (2.3 %)	0.7541	0.05
Ponazuril	3 (1.6 %)	8 (2.3 %)	0.7541	0.05

^a Exploratory univariate analysis without adjustment for multiple comparisons

*Significant at $\alpha = 0.05$.

ASD: Absolute Standardized Difference

Supplemental Table 3. Suspected/confirmed causes of death of orphaned neonatal kittens (limited to cases with recorded cause)

Cause of death ^a	Plasma (n = 32)	Control (n = 56)	P value ^b	ASD
Congenital	4 (12.5 %)	5 (8.9 %)	0.7181	0.12
Fading	8 (25.0 %)	14 (25.0 %)	1.0000	0.00
Gastrointestinal	6 (18.8 %)	8 (14.3 %)	0.7628	0.12
Respiratory	4 (12.5 %)	12 (21.4 %)	0.3939	0.23
Undetermined	8 (25.0 %)	7 (12.5 %)	0.1510	0.33

^a Causes with counts less than one kitten per group were not included

^b Exploratory univariate analysis without adjustment for multiple comparisons

ASD: Absolute Standardized Difference