



Wake County Animal Center

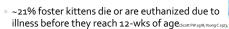
- Open intake municipal shelter
- 11-12k annual animal intake
- 1800 orphan kittens per year
- Robust foster program
- Dedicated rescue/transfer partners
- Mortality of kittens
- Gastrointestina
- Respiratory



10/2/19

Challenges with orphan kittens

- 74 million "owned" and ~70 million feral cats in the U.S.
- 180 million kittens per year (www.feralcatproject.org)
- 4,000-6,000 U.S. animal shelters (Hurmane Society of the United State:





10/2/19

Weaning period most vulnerable Stress, failure of passive transfer, crowding, sanitation, diet Infectious disease is most common cause of death 7 736 viral – esp panleukopenia 2 2014 Daterial Often die with clinical signs or postmortem evidence of intestinal disease warm at make at a small

Study objective

 Identify significant associations between empirical treatment interventions and survival of foster kittens with diarrhea



10/2/19

Shelter Intake Procedure

- Vaccination Feline 1-HCP
- (herpes, calicivirus, panleukopenia)

 Ponazuril (Marquis)
- Pyrantel Pamoate
- Selamectin Revolution topical
- Brief exam by technician
- = (age, sex, weight, abnormalities)

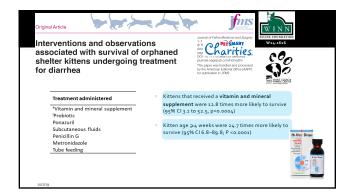


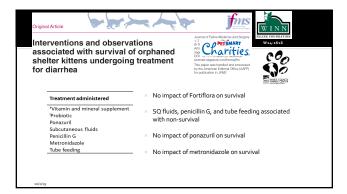
Diarrhea treatments

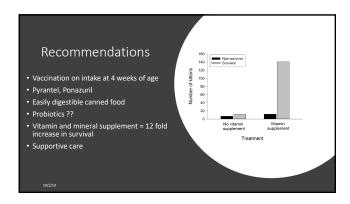
- Vitamin supplement
- Probiotics
- Marquis Paste (Ponazuril)
- Antibiotics
- Metronidazole, Penicillin
- Nutrition
- Supportive care
- fluids, appetite stimulants, warmth



Interventions and observations associated with survival of orphaned shelter kittens undergoing treatment for diarrhea	Journal of Febru Medicine are to the control of Febru Medicine are to the control of Febru Medicine are to the control of February and the con	WINTERSTON NOTION WILL-1515
 1,718 orphan kittens relinquished to municipal animal shelter (April 2016 and In unowned, < 12 weeks of age, and < 0.9 kg 	uly 2017)	
 172 (10%) kittens underwent treatme 153 (89%) kittens survived to adoption 	ent for diarrhea	







Future directions	
Future directions Micronutrients Diet Microbiome Gut immunity Environment Jody_Gookin@ncsu.edu Sandra.Strong@wakegov.com	
*spile	