

EDx UC NEWSLETTER

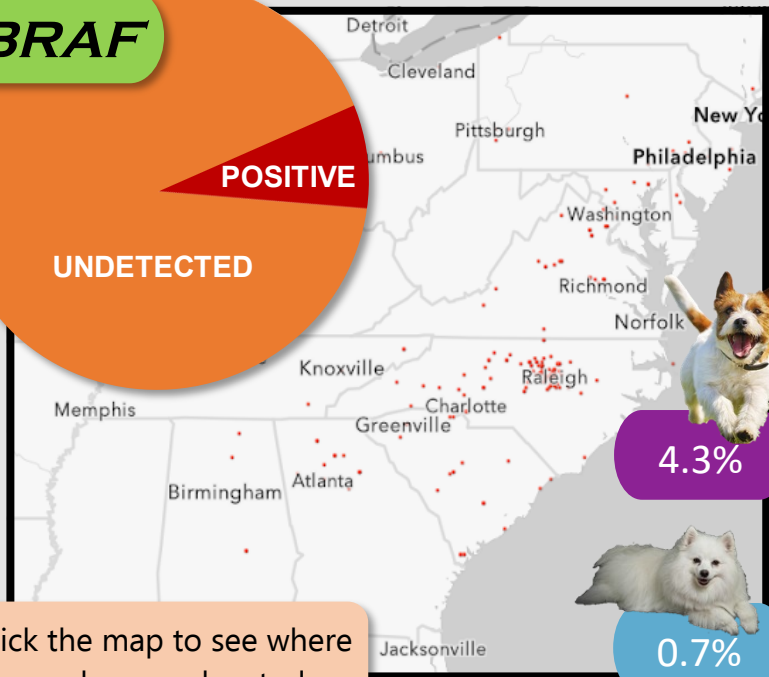
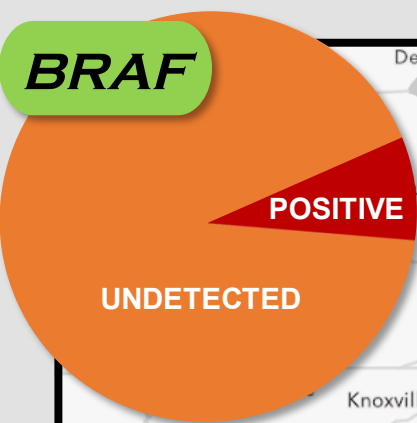
Early Detection of Urothelial Carcinoma Study



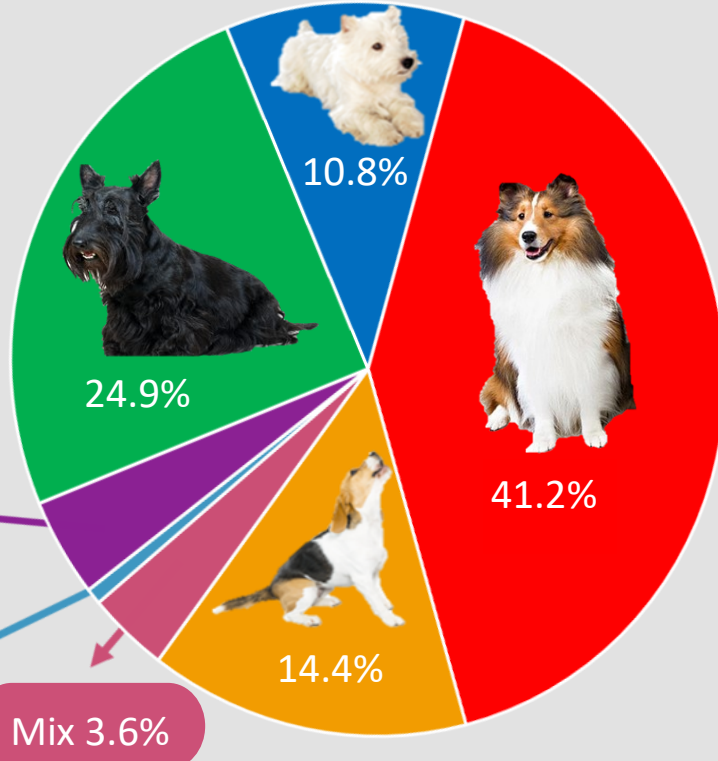
Sandy and Hattie Gorrell taking a stroll around NC State CVM's campus.

Study Update - BRAF Screened Dogs

The goal of our EDx UC Study is to validate *BRAF* mutation detection as a means to detect UC/TCC in free catch urine BEFORE clinical signs develop. By achieving this goal we aim to improve quality and duration of life for dogs with this disease. Thus far we have screened 289 dogs from across the country, and 8% have tested positive for the *BRAF* mutation. If you are interested in participating, please complete this questionnaire: <https://is.gd/NCStateUCClinicalTrial>



Click the map to see where our dogs are located.

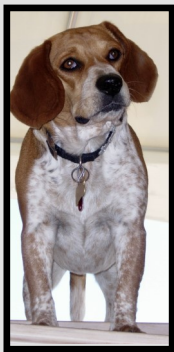


Dog of the Month

FRECKLES GORRELL

In honor of our inaugural newsletter, we wanted to feature one of our staunchest supporters: Marcia Gorrell and her Freckles. Sandy and Hattie, her other dogs, also pictured on page one.

Freckles, named so because of the wonderful freckles “all over her,” was diagnosed with UC. Freckles originally was going to be a gift for a friend in need of her love, but she “captured their hearts,” finding her permanent home with the Gorrells. Freckles lived a wonderful full life with lots of travel. One of her favorite places to go was the Bahamas where she could chase the lizards to her heart’s content.



Freckles was “the closest thing to a soulmate” to Marcia. Seven years ago, the beloved Freckles succumbed to the cancer while surrounded by her family. The Gorrell family home-cooked a large last meal for Freckles and said goodbye to her. Through it all, Marcia stressed the importance of research. She combed the scientific literature everyday to learn anything and everything she could about the UC affecting her dog and would like to encourage other dog owners to do the same. Marcia swears that multiple laser therapy procedures prolonged her life.

Want to see your dog featured? Fill out [this form](#) and we will reach out to you!

UC/TCC: What to look for?

A Quick COVID Update

Being able to recognize the clinical signs of UC/TCC is important. Sometimes it can be difficult to pick them out, You should pay close attention to your dog and watch out for these signs:

- ◆ Weak urine stream
- ◆ Straining to urinate
- ◆ Tail movement (up and down) indicating that straining is occurring while urinating
- ◆ Repeated, frequent attempts to urinate
- ◆ Red/bloody urine

If you have any questions or concerns, feel free to email us a video at UCClinicalTrials@ncsu.edu.

The Breen Lab is still up and running while prioritizing your health. Only one person handles your urine kits prior to shipment, with gloves and a face mask worn at all times. Our undergraduates are currently working from home to limit exposure. You can also schedule to have FedEx pick up your package from home at no cost to you.



In Other Dog News...

Learn more about us at
<https://www.breenlab.org>

Check out some other interesting dog news at [this link!](#) Feature Story: Dog Beer