

Veterinary

Focused Ultrasound Applications



Bringing man's best friend a noninvasive therapeutic technology. The Foundation's veterinary program provides a unique opportunity for focused ultrasound to benefit both companion animals and their owners. Veterinary medicine has often lagged behind human medicine, but that is changing as we recognize the benefits of treating and studying companion animals with naturally occurring diseases. Dogs and cats are exposed to the same environmental stimuli as humans are, and they develop many of the same diseases in a far more natural way than laboratory animals.



Focused Ultrasound

Humans help animals help humans

Pioneering
the field

11

indications
in clinical trials

90+

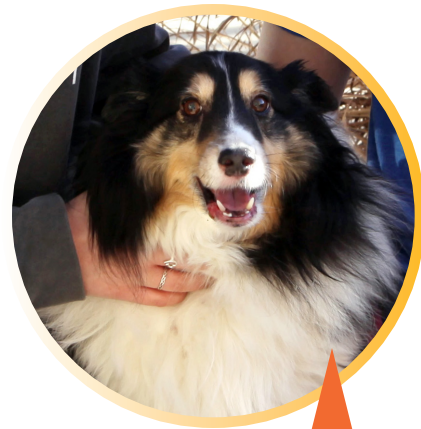
pets
treated to date

7

research sites
worldwide



► **Help us revolutionize treatment** for companion animals by funding studies that will develop strategies for both animals and people.



Oreo's oral tumor was removed non-invasively in a focused ultrasound clinical trial at Oklahoma State University's College of Veterinary Medicine.

Read about OSU's program
bit.ly/FUSF-OSU-Veterinary

Focused ultrasound precisely focuses beams of ultrasound energy on targets deep within the body without damaging surrounding normal tissue. Where the beams converge, the ultrasound can produce a variety of therapeutic effects on tissue enabling an incisionless treatment. Focused ultrasound has many potential applications in veterinary medicine, including tumor destruction, drug delivery, pain relief for arthritis and hip dysplasia, and noninvasive spaying. The advantages are:

- No incisions** | No infection risk, less pain
- Image guided** | Precision targeting
- No ionizing radiation** | Fewer side effects
- Enhanced drug delivery** | Reduced toxicity

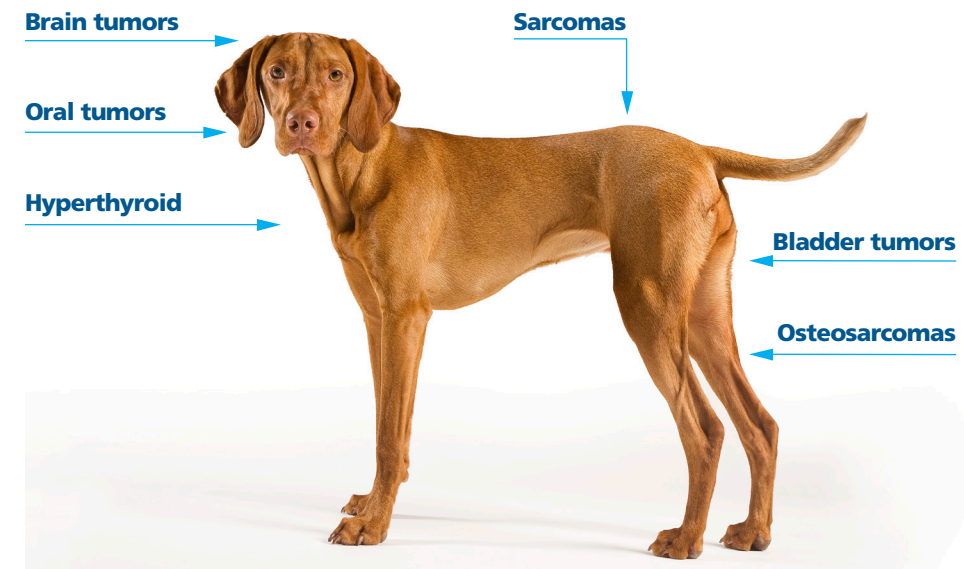
Virtuous cycle

Veterinary trials make new, innovative therapies available for family pets, while simultaneously collecting data that can be used to advance human medicine, creating a virtuous cycle where humans help animals help humans.



6 identifying **critical unmet needs**

Diseases where focused ultrasound could have the biggest impact



\$ Your gift's impact

We have launched a five-year, \$60 million campaign of which at least \$2 million will be dedicated to **veterinary research**.



Mayo received focused ultrasound for a soft tissue tumor on her front leg at Virginia-Maryland College of Veterinary Medicine. Her treatment significantly preserved the quality and length of her life.

what if there were a

- **treatment option** that didn't require stitches or an incision?
- **means to avoid** radiation in cancer therapy?
- **non-invasive answer** to the spay and neutering of animals?





About Focused Ultrasound Foundation

The Focused Ultrasound Foundation is an entrepreneurial, high-performance, medical research, education and patient advocacy organization headquartered in Charlottesville, VA. On the leading edge of venture philanthropy and social entrepreneurship, the Foundation has demonstrated success in accelerating the development and adoption of focused ultrasound, an early-stage, noninvasive therapeutic technology that could transform the treatment of many medical disorders. The Foundation is a 501(c)(3) tax-exempt organization that uses donor funding to bridge the gap between laboratory research and widespread patient treatment.

For more information

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