

THE LATEST BREAKTHROUGH: LOW-DOSE RADIATION FOR INFLAMMATORY CONDITIONS



Researchers have made promising strides in treating non-cancerous inflammatory conditions like feline cystitis and osteoarthritis with low-dose radiation. This new treatment offers renewed hope for non-cancerous inflammatory conditions where other treatments have fallen short.

A recent study at North Carolina State University found that cats treated with low-dose radiation saw significant relief from cystitis-related symptoms, with most never having another episode post-treatment¹. And similar success has been found in Europe for osteoarthritis patients². This growing body of research suggests low-dose radiation's impact on the immune system can benefit both conditions, bringing life-changing relief within days of treatment.

Radiation Therapy for Cats with Feline Idiopathic Cystitis

Feline cystitis is a painful inflammatory bladder condition affecting thousands of cats each year, leading to discomfort, frequent urination and sometimes inappropriate urination. Traditional treatments have had mixed results and include antibiotics or perineal urethrostomy (PU) surgery, but radiation therapy now offers a more durable and effective alternative – particularly for cats who suffer chronically from cystitis.

Radiation Therapy for Osteoarthritis in Dogs and Cats

Osteoarthritis affects about 25% of canines³ and is most commonly treated with medications. Radiation therapy now offers an alternative, low-risk treatment option for pet patients that continue to struggle with pain and discomfort as their osteoarthritis worsens over time.

Treatment Process For Non-Cancerous Inflammatory Conditions

Whether it's treatment for feline cystitis or osteoarthritis, our treatment process for chronic inflammatory conditions is similar. Pet patients will undergo anesthesia, followed by a single dose of radiation at a level far below that which is used to treat cancer. With such a small dose of radiation, negative side effects are not expected and results typically last around one year. If symptoms do reoccur, the low-dose radiation can be safely repeated.

1. <https://news.cvm.ncsu.edu/studys-cystitis-remedy-so-effective-that-nc-state-ready-to-offer-treatment-to-cats/>

2. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9282549/>

3. <https://www.acvs.org/small-animal/osteoarthritis-in-dogs/>

DO YOU HAVE A PATIENT SUFFERING FROM CHRONIC CYSTITIS OR OSTEOARTHRITIS?

Start with a telehealth visit or an in-person consultation with our radiation oncologists through our pet advocate team. Scheduling an appointment with us is easy. We have numerous locations nationwide as well as telehealth visits as an alternate convenient option.

Before considering radiation, it is recommended that patients have already had:

- Recent urine culture ruling out a bacterial component
- Ultrasound of the urinary tract or advanced imaging
- Documented failure to respond to medical management

For more information or to schedule an appointment, contact us at **833-PET-HERO (833-738-4376)** or email us at **PetCure.PetAdvocate@ThrivePet.com**

