



Get free analyses of all stones and plugs from the Minnesota Urolith Center, through a service which Hill's offers for free.

- Free stone analyses, including shipment to the USA.
- In-depth qualitative and quantitative stone analysis reports for your patients.
- Uses Optical Crystallography and Infrared Spectroscopy to provide composition of different urolith zones (nidus, body and surface) for more accurate diagnosis and treatment.
- Detailed recommendations on further patient management.

References

1. Kruger JM, Osborne CA, Goyal SM, et al. Clinical evaluation of cats with lower urinary tract disease. J Am Vet Med Assoc 1991;199:211-216.
2. Buffington CA, Chew DJ, Kendall MS, et al. Clinical evaluation of cats with nonobstructive urinary tract diseases. J Am Vet Med Assoc 1997;210:46-50.
3. Lekcharosensuk C, Osborne CA, Lulich JP. Epidemiologic study of risk factors for lower urinary tract diseases in cats. J Am Vet Med Assoc 2001;218:1429-1435.
4. Gerber B, Boretta FS, Kley S, et al. Evaluation of clinical signs and causes of lower urinary tract disease in European cats. J Small Anim Pract 2005;46:571-577.
5. Kruger JM, Lulich JP, MacLeay J, et al. Comparison of foods with differing nutritional profiles for long-term management of acute nonobstructive idiopathic cystitis in cats. J Am Vet Med Assoc. 2015;247(5):508-517.
6. Lulich JP, Kruger JM, MacLeay JM, et al. Efficacy of two commercially available, low-magnesium, urine-acidifying dry foods for the dissolution of struvite uroliths in cats. J Am Vet Med Assoc. 2013;243(8):1147-1153.
7. Meyer HP, Becvarova I. Effects of a urinary food supplemented with milk protein hydrolysate and L-tryptophan on feline idiopathic cystitis - Results of a case series in 10 cats. Intern J Appl Res Vet Med 2016;14(1):59-65.
8. Floerchinger AM, Jackson MI, Jewell DE, et al. Effect of feeding a weight loss food beyond a caloric restriction period on body composition and resistance to weight gain in cats. J Am Vet Med Assoc. 2015;247(4):365-374.

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Transforming Lives

MANAGEMENT OF PETS WITH **URINARY ISSUES**



Hill's Prescription Diet Urinary Care food for cats and dogs.

Comprehensive, clinically proven nutrition to manage urinary issues.

URINARY ISSUES IN CATS

It's challenging to diagnose the true cause of Lower Urinary Tract Disease (LUTD) and it is often recurring.

In cats, 60% of cases are linked to Feline Idiopathic Cystitis (FIC) where stress is a predisposing factor affecting both the bladder and the brain. FIC cats have recurring urinary episodes within 1-2 years of initial treatment, so recommending the right food is critical^{1,2,3,4}. And in dogs, without appropriate treatment including nutrition, bladder stones are much more likely to recur.



The right food can help!

MAKING A STRONG RECOMMENDATION

90% of pet parents want a food recommendation from their veterinary healthcare team. Give them the advice they need:

What they should feed their pet

Parents of pets with urinary issues want to know how the food is going to help alleviate their pet's symptoms and reduce the risk of recurrence in the long run. No matter the issue, Hill's Prescription Diet offers a solution that can help.

How much to feed

Refer to the feeding guide on pack, or encourage pet parents to weigh the food. For cats on c/d Multicare Stress + Metabolic, ensure the feeding amounts are adjusted according to their ideal weight.

How often to feed

A pet's daily portion can be split into two meals – one served in the morning and the other in the evening.

How long to feed

Prescription Diet c/d Multicare foods can be fed short term for struvite dissolution or if needed for continuous prevention of stone formation. It can also be fed as a maintenance diet to other pets in the household, provided they don't have conditions requiring another specific Prescription Diet food.



Look out for this image in the detailer which highlights some of the words you can use to help recommend the right food for your urinary patients.

c/d Multicare Stress

Initial management of cats with Feline Lower Urinary Tract Disease (FLUTD), including Feline Idiopathic Cystitis (FIC). This diet is also suitable for long-term feeding and multi-cat households.

c/d Multicare Stress is made with the full strength technology of c/d Multicare for cats, with added ingredients to control stress.

- The only nutrition shown to **reduce the rate of recurring FIC signs** by 89%⁵
- Dissolves struvite stones** in as little as 7 days (average 27 days)⁶
- Contains high levels of omega-3 fatty acids to help **break the cycle of inflammation**
- Has controlled levels of magnesium, calcium and phosphorus to **reduce the building blocks of certain crystals and stones**
- With added L-tryptophan and milk protein hydrolysate to **control stress**



Available in dry, pouch & can

THE POSITIVE EFFECTS OF L-TRYPTOPHAN AND MILK PROTEIN HYDROLYSATE.

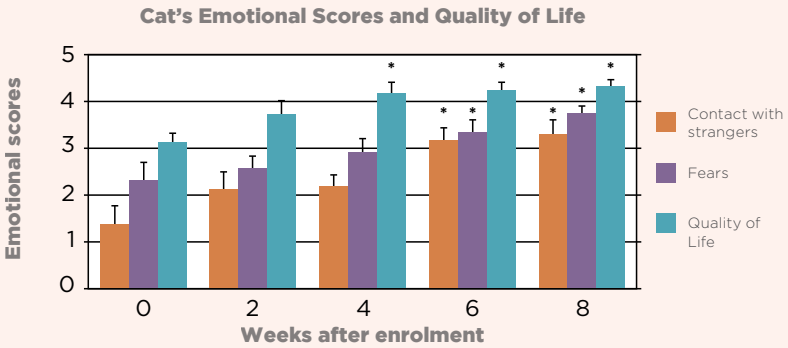


Figure 3. Cat Emotional Scores and Quality of Life (mean \pm SEM) in 10cats with FICat week 0 (enrolment), 2, 4, 6 and 8.

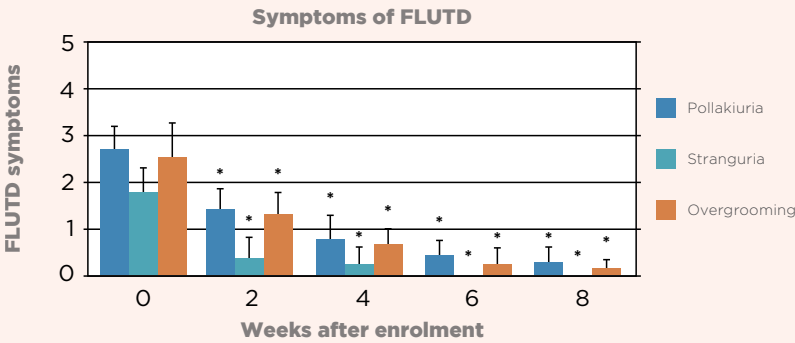


Figure 4. FLUTD Scores (mean \pm SEM) in 10cats with FIC at week 0 (enrolment), 2, 4, 6 and 8.

Emotional scores, quality of life and FLUTD improved significantly on the new food⁷

URINARY ISSUES IN CATS

c/d Multicare

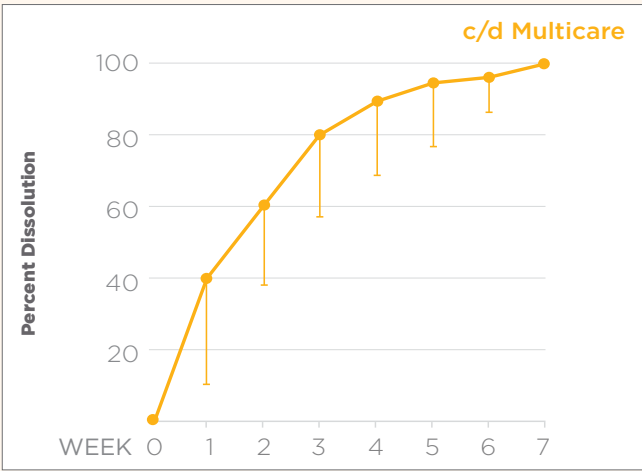
Nutritional management of cats with FLUTD where stress is not a factor.

- The only nutrition shown to **reduce the rate of recurring FIC signs** by 89%⁵
- **Dissolves struvite stones** in as little as 7 days (average 27 days)⁶
- Contains high levels of omega-3 fatty acids to help **break the cycle of inflammation**
- Has controlled levels of magnesium, calcium and phosphorus to **reduce the building blocks of certain crystals and stones**



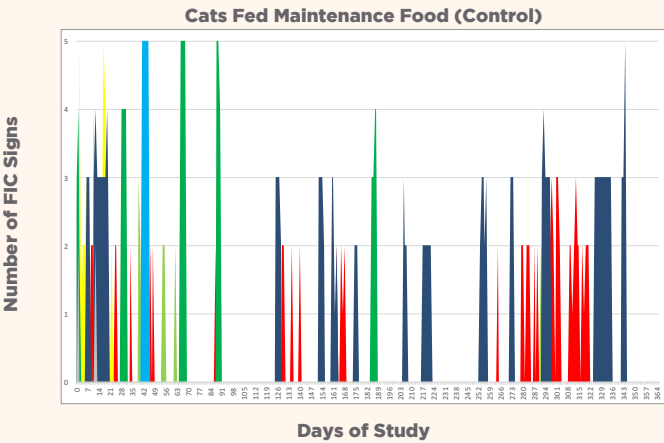
Available in dry, pouch & can

DISSOLVES STRUVITE STONES IN AS LITTLE AS 7 DAYS (AVERAGE 27 DAYS)⁶:

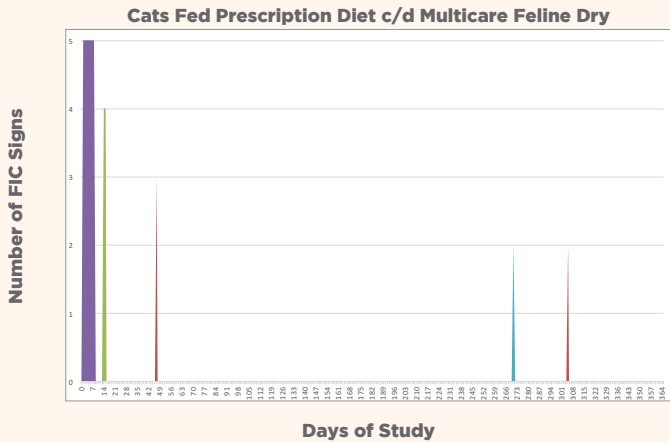


- Stones decreased by 50% in size after 2 weeks of feeding.
- 100% of stones dissolved after 7 weeks
- Dissolution of stones via nutrition is safe, effective and the standard of care

THE ONLY NUTRITION SHOWN TO REDUCE THE RATE OF RECURRING FIC SIGNS BY 89%⁵:



In a 1-year study, cats with FIC fed Prescription Diet c/d Multicare (right) had a significantly lower mean incidence rate for multiple sign days compared with cats fed a control food (left). (P=0.01). Control group (maintenance food) = 14 cats, c/d Multicare group = 11 cats. Only cats that experienced signs are represented, with a unique colour for each cat.

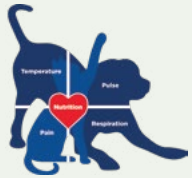


c/d Multicare Stress + Metabolic

Addresses visible urinary signs quickly whilst providing a long-term weight benefit.

c/d Multicare Stress + Metabolic is made with the full strength technology of c/d Multicare Stress and Metabolic.

- The only nutrition shown to **reduce the rate of recurring FIC signs** by 89%⁵
- **Dissolves struvite stones** in as little as 7 days (average 27 days)⁶
- Contains high levels of omega-3 fatty acids to help **break the cycle of inflammation**
- Has controlled levels of magnesium, calcium and phosphorus to **reduce the building blocks of certain crystals and stones**
- With added L-tryptophan and milk protein hydrolysate to **control stress**
- **Reduces a cat's body weight** by 11% in 60 days⁸



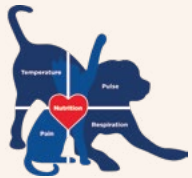
Available in dry. Can be used with the c/d Multicare Stress stew or pouch.

s/d

For the short-term management of dissolution of multiple or large struvite stones in cats.

- Helps **dissolve struvite stones**
- Targets an acid urinary pH to help **increase the solubility of struvite**

After initially feeding s/d for 2-3 months, the recurrence of struvite-associated FLUTD can be reduced by feeding Prescription Diet c/d Multicare or c/d Multicare Stress long term.



Available in dry.



Hill's triple validates that our foods promote a healthy urinary environment, indicated with the S+OX Shield on pack.

URINARY ISSUES IN DOGS

c/d Multicare

Nutritional management of dogs with urinary tract issues.

- Helps **dissolve struvite stones**
- **Reduces the risk** of struvite and oxalate stones (pH and mineral control)
- Contains omega-3 fatty acids to help **break the cycle of inflammation**



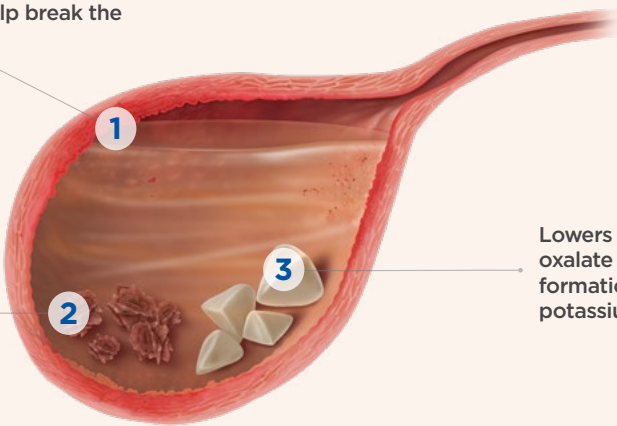
Available in dry and a stew.

WORKS IN THREE WAYS TO SUPPORT URINARY HEALTH:

Omega-3 fatty acids help break the cycle of inflammation

Lowers risk of struvite and calcium oxalate stones with controlled minerals

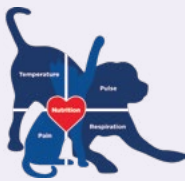
Lowers risk of calcium oxalate crystal formation with added potassium citrate



u/d

Nutritional management of dogs with problems associated with urolithiasis.

- Helps **dissolve urate stones***
- Helps **reduce the risk** of urate and cystine stones
- Contains a low level of high-quality protein to **reduce the formation of break-down products that cause discomfort in dogs with kidney failure**



Available in dry.

*u/d to be fed with Allopurinol.

