

November 2023

Please find a selection of useful articles below!

Hi All,

Remember the site at VetLit.org is updating continuously so do check for more articles that interest you :-)

If you have any questions or suggestions then please feel free to email Simon at simon@vetlit.org

As my own cat had a large trichobezoar when he had a significant gastrointestinal flare up when he was younger, this article caught my eye. This study assessed full thickness intestinal biopsies that had been obtained at the time of enterotomy for trichobezoar removal. There were 100 biopsies from 44 cats assessed. The majority of the population were medium to long-haired cat breeds (37/44). Small cell lymphoma was diagnosed in 10 cats. Of these, 4/10 were domestic short haired cats and 6/10 were domestic medium or long haired cats, raising the possibility that short haired cats presenting with a trichobezoar may be more likely to have small cell lymphoma.

[Histopathologic diagnosis and patient characteristics in cats with small intestinal obstructions secondary to trichobezoars](#)
JFMS. **Open access.**

[https://journals.sagepub.com/doi/full/10.1177/1098612X231196231?
rfr_dat=cr_pub++0pubmed&url_ver=Z39.88-
2003&rfr_id=ori%3Arid%3Acrossref.org](https://journals.sagepub.com/doi/full/10.1177/1098612X231196231?rfr_dat=cr_pub++0pubmed&url_ver=Z39.88-2003&rfr_id=ori%3Arid%3Acrossref.org)

Proteinuria management using ACE inhibitors has been common place, although this may change now the updated [2023 IRIS CKD guidelines](#) recommend an angiotensin receptor blocker as first line drug therapy. This retrospective study assessed UPC over time in 85 dogs that had a UPC >2 and were being treated with benazepril or enalapril. There were 35 responders (UPC decreased by 50% or became <0.5). There was no difference in whether dogs were fed a renal diet or had omega-3 fatty supplementation between groups. Factors associated with decreased survival at 12 months were being a 'non-responder' to treatment, azotaemia at baseline and hypoalbuminaemia at baseline.

[Response and survival of dogs with proteinuria \(UPC <2.0\) treated with angiotensin converting enzyme inhibitors](#)
JVIM. **Open access**

<https://onlinelibrary.wiley.com/doi/10.1111/jvim.168>

Fuzapladib is a leukocyte function-associated antigen type-1 (LFA-1) activation inhibitor which prevents neutrophil extravasation and therefore was hypothesised to decrease the severity of acute neutrophilic pancreatitis. This multicentre prospective study enrolled dogs with presumptive acute pancreatitis and randomly assigned 16 dogs to treatment with 0.4 mg/kg of fuzapladib IV once daily for 3 consecutive days and 19 dogs to the placebo group. Response was determined using a modified clinical activity index (MCAI) and the canine acute pancreatitis clinical severity index (CAPCSI). The mean decrease of the MCAI score was greater in the treatment group although the mean total score was not different at the end point, and neither were CRP or cPLI.

Fuzapladib in a randomized controlled multicenter masked study in dogs with presumptive acute onset pancreatitis

JVIM. **Open access**

<https://onlinelibrary.wiley.com/doi/10.1111/jvim.16897>

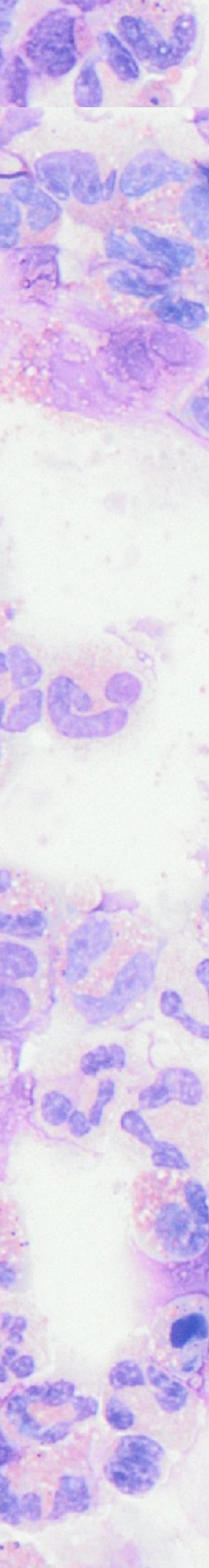
This updated consensus presents numerous recommendations and is certainly worth a read for any veterinarian managing cats and dogs. A selection of recommendations are as follows: "Leptospirosis should be considered in cats with AKI, ≥ 1 additional clinicopathologic findings suggestive of a systemic infection, and no other explanation for their clinical signs.....leptospirosis should not be ruled out based on a single negative test...an interval of 7 to 14 days is recommended between acute and convalescent phase samples to identify seroconversion...to optimize sensitivity of nucleic acid amplification tests (NAATs), specimens should be collected before administration of antibiotics (also, both blood and urine should be submitted)...because the DNA of pathogenic leptospire can be found in the urine of up to 20% of apparently healthy dogs, a positive NAAT test on urine must be interpreted in conjunction with clinical signs and the results of other diagnostic tests...dogs with leptospirosis should be treated with doxycycline at a dosage of 5 mg/kg q12h PO for 2 weeks"

2023 Updated ACVIM consensus statement on leptospirosis in dogs

JVIM. **Open access**

<https://onlinelibrary.wiley.com/doi/10.1111/jvim.16903>

UPC is a key component of the monitoring of CKD in cats, as proteinuria is negatively associated with survival. This prospective study serially assessed the UPC of healthy cats; they were assessed at day 0, 14 and 56 (total of 80 cats) whilst a subset of 15 cats were assessed weekly for 6 weeks and then on two consecutive days. At enrolment, 62 had UPC



<0.2 (non-proteinuric group), 15 had UPC 0.2 to 0.4 (borderline proteinuric group) and 3 had UPC >0.4 (proteinuric group). All 3 proteinuric cats were either non-proteinuric or borderline proteinuric after 2 months. Of the 62 cats which were initially non-proteinuric, 58/62 were non-proteinuric at all 3 timepoints and 4/62 became borderline proteinuric. Of the 15 cats in the borderline proteinuric group at enrolment, 10/15 cats were borderline proteinuric at all three time points, 4/15 cats became non-proteinuric and 1/15 became proteinuric. The mean difference of UPC (between highest and lowest) in the weekly assessed group was 0.1, whilst the median difference on consecutive days was 0.03. An increase of UPC of >82% was determined to be clinically relevant and not likely related to physiological variation.

Biological variation of urinary protein : creatinine ratio and urine specific gravity in cats

JVIM. **Open access**

<https://onlinelibrary.wiley.com/doi/10.1111/jvim.16881?af=R>

We couldn't get through a VetLit update without an endocrine update. This multicentre retrospective descriptive study from the USA and Canada describes the outcome of 107 dogs with pheochromocytoma, and 189 dogs with cortical tumours (105 adenoma and 84 adenocarcinoma) of which 99 had hypercortisolaemia. Factors associated with overall mortality were post-operative pancreatitis or pneumonia and undergoing ureteronephrectomy. Performing a caval venotomy was not associated with survival. Pre-treatment with phenoxybenzamine for patients with a pheochromocytoma was not associated with survival.

Risk factors influencing death prior to discharge in 302 dogs undergoing unilateral adrenalectomy for treatment of primary adrenal gland tumours

Veterinary and Comparative Oncology. **Open access**

<https://onlinelibrary.wiley.com/doi/10.1111/vco.12931>

All the best!

Chris

Chris Scudder BVSc MVetMed DACVIM PhD

MRCVS

RCVS recognised specialist in internal medicine

[View Recent Articles](#)



Quick Links

[Emergency & Critical Care](#)

[Neurology](#)

[Internal Medicine](#)

[Surgery](#)

[Nursing](#)

[Equine](#)

[Pathology](#)

[Journal of Veterinary Internal Medicine](#)

[Journal of Small Animal Practice](#)

[Journal of Veterinary Emergency & Critical Care](#)

[Unsubscribe](#)

