

Effectiveness of a Feed Supplement to Control Hyperphosphatemia and Metabolic Acidosis in Advanced Stages of Feline Chronic Kidney Disease (CKD)

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INTRODUCTION

When diet alone is not sufficient to control CKD in cats, it is necessary to supplement the diet with specific substances¹, such as phosphate binders and alkalinizing agents

MATERIALS AND METHODS

Animals	10 cats with CKD
IRIS Stage	3 or 4
Diet	Renal diet
Treatment	Feed supplement: VBS Renal Phos-Less
Duration	60 Days
Clinical Examinations	BW, BCS, food intake, blood pressure
Lab Analysis	hematochemical, biochemical, urine analysis
Statistical Analysis	SAS software. Kruskal-Wallis and Wilcoxon tests

RESULTS AND DISCUSSION

Serum Phosphate Concentration

At T60 was significantly lower Phosphate levels (see figure 1).

Serum Bicarbonate Concentration

At T60 was significantly higher than T0 (see figure 2).

Serum Ionized Calcium

At T60 was significantly higher than T0 (see figure 3). However calcium levels always remained in the normal range².

Albumin:Globulin

Significantly improved ratios at days T15 and T60.

CONCLUSION

The feed supplement was effective to reduce blood phosphate levels and to increase blood bicarbonate levels, thus improving cats' clinical conditions for the duration of the study.

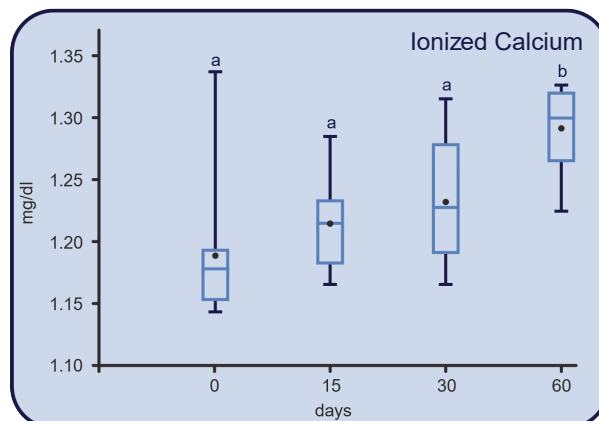
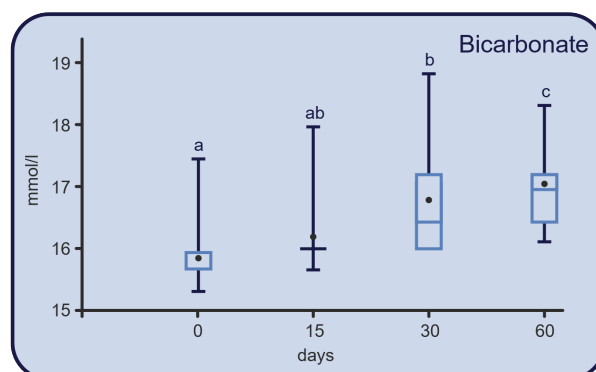
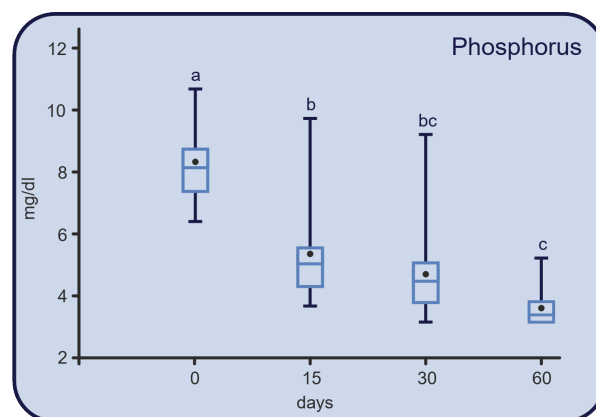


Figure 1, 2, 3. Letters show differences for $P < 0.05$

REFERENCES

¹Polzin DJ, 2013. Evidence-based step-wise approach to managing chronic kidney disease in dogs and cats, J Vet Emerg Crit Care 23:205-15.

²Slatter DH, 2002. Textbook of Small Animal Surgery, Saunders, 3 ed. 2:29.