

**Library & Information Services**

**Journal Club Checklist**

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| **Title** | **A prospective, randomized, placebo-controlled, double-blinded clinical trial comparing the incidence and severity of gastrointestinal adverse events in dogs with cancer treated with piroxicam alone or in combination with omeprazole or famotidine***Journal of the American Veterinary Medical Association*, 259 (4), pp385-391.  |
| **What are the aims or objectives of the study?**A clearly stated aim or objective will make it easier for you to assess whether the research has been appropriately designed to meet these aims. |  |
| **Who carried out the research?**Do the researchers have appropriate knowledge or supervision to carry out the research?**Who is paying for the study?** Do you think that this could bias the results? |  |
| **Are there any potential sources of bias?****What steps were taken to reduce this bias?**  |  |
| **Is there a specific research question or hypothesis?** |  |
| **Why do you want to review this paper?** |  |
| **What methods did the researchers use?****Can you pick out the elements of a PICO question from the materials and methods section?*** Patients/participants
* Intervention
* Comparator
* Outcome
 |  |
| **Is this methodology appropriate to the objectives or question?**More detailed guidance on how to critically appraise different types of study can be found in the [EBVM Toolkit Section 3](https://knowledge.rcvs.org.uk/evidence-based-veterinary-medicine/ebvm-toolkit/) |  |
| **Is the methodology described clearly enough to enable you to follow what was done?****Is there any additional information you would like to know?** |  |
| **Are the type and selection of patients clearly described?**Are the inclusion and exclusion criteria clearly described?What effect do you think that these criteria would have on recruitment? |  |
| **How many patients were included in the study?**The sample size calculation gave a recruitment target of 72 dogs (24 per group). Was this target met?What reason was given for stopping recruitment to the study early?  |  |
| **Are the patients divided into groups, if so, how was this done?**Is the method of randomisation and blinding clearly described? |  |
| **How were each of the three groups treated?** |  |
| **Is the data collected clearly described?**What data was collected from each dog?  |  |
| **Are the results of the study clearly described?****How were adverse events described and reported?****Which adverse events would you consider most important?** |  |
| **Which results are statistically significant?****Which results were not statistically significant, and why might this be the case?** |  |
| **What other result did the authors report and why might it be significant?** |  |
| **What is the main recommendation from the study, and do you agree with it?****What mechanism do the authors propose for this recommendation?****Do you think that the same recommendation would apply to other situations?** |  |
| **What are the limitations of the study?** |  |
| **Do the findings provide sufficient evidence for you to consider changing your current practice?** |  |
| **Having read the paper are there any other sources of information you need to look at before changing your current practice?** | Some references that may be of interest are given below |

Marks, S.L. et al (2018)ACVIM consensus statement: support for rational administration of gastrointestinal protectants to dogs and cats. *Journal of Veterinary Internal Medicine*, 32(6), pp. 1823-1840. <https://doi.org/10.1111/jvim.15337>

LeBlanc, A.K., et al (2021) Veterinary Cooperative Oncology Group—Common Terminology Criteria for Adverse Events (VCOG‐CTCAE v2) following investigational therapy in dogs and cats. *Veterinary and Comparative Oncology*, 19(2), pp. 311-352. <https://doi.org/10.1111/vco.12677>

Hunt, J.R. et al (2015) An analysis of the relative frequencies of reported adverse events associated with NSAID administration in dogs and cats in the United Kingdom. *The Veterinary Journal*, 206(2), pp. 183-190. <https://doi.org/10.1016/j.tvjl.2015.07.025>