

Review of: "The Efficacy of Desmopressin and Imipramine in Retaining the Instilled Suspension in the Bladder"

Ulku Comelekoglu¹

¹ Mersin University, Turkey

Potential competing interests: No potential competing interests to declare.

In the manuscript, the efficacy of desmopressin and imipramine in reducing urination frequency and retaining the instilled suspension in the bladder without maintaining the mouse under anesthesia was investigated. Female 24 rats were divided into 4 groups as control, 4 h water deprivation, 2 µg/kg intraperitoneal desmopressin, and 4 µg/kg intraperitoneal desmopressin plus 30 mg/kg imipramine gavage. In all groups, the frequency of urination was determined, and a methylene blue voiding proof test was performed. The research topic was found interesting in terms of increasing the success of creating orthotropic bladder tumors in animal models. However, the manuscript contains important deficiencies.

My suggestions are presented below:

1. The abstract section is not enough. The background of the study should be added. It would be appropriate to provide an evaluation of the results obtained in the conclusion section.
2. Although the research problem is defined in the introduction, it is considered a significant deficiency that previous studies on the subject are not taken into account and the difference of the study from previous studies is not explained. The literature on the subject should be reviewed again, and the background of the study should be explained. In addition, it should be explained how the study will contribute to the relevant field.
3. It should be explained why female mice were used in the study.
4. In the method section, how the doses of desmopressin and imipramine given to mice were determined should be explained with reference to the relevant literature.
5. The discussion section is not enough. The results of the study should be rewritten by comparing them with previous studies.
6. The literature given is not sufficient. The references are mainly given in relation to bladder tumors. However, the main issue is related to the effects of desmopressin and imipramine on urinary retention. The references related to the subject should be reviewed in this context, and the relevant literature should be added.
7. There are grammatical and syntax errors in the manuscript.
8. µl should be written as µL.