Review of: "Toxicity of Olea africana in Artemia Salina and Mice"

Muhd Hanis Md Idris

1 Universiti Teknologi Mara

Potential competing interests: No potential competing interests to declare.

Please send the article to proof-read service for English.

Title needs to be more specific and reflect the content of article. Suggestion: Toxicity Evaluation of Ethanol Extract of Olea africana Leaves in Mice and Brine Shrimp (Artemia salina)

Abstract

• Need to add introduction and significant of study/problem statement
• The study conducted acute and subacute toxicities, but the results of both studies were not clearly mentioned

Methods

• Please includes the voucher number specimen
• Why the study uses two different models to assess the toxicity of the extract?
• What type of mice were used in the study? How about their gender, age, weight etc.?
• The conditions of animal care were not clearly described.
• Which guidelines were used for acute and subacute studies?
• How many mice were used per group in acute toxicity study?
• Why seven animals per group were used in subacute toxicity study?
• Did the mice were sacrificed at the end of acute toxicity study?
• Did the study only measure the hematological, biochemical and histological properties without observing the behaviour of the animals for toxicity studies?
• Why two-way ANOVA was used for statistical analysis?

Results

• Table 1: Any SD for the results?
• It is suggested to organize the results separately according to the studied parameters
• Figure 1 was incompletely labelled. The figure should be self-explanatory
• Table 3: Please indicate the full name for each abbreviation use
• Figure 3 & 4: The magnification power were different and not comparable. The site of observations was also different.
• There was non-dependant result of the effect of the extract in biochemistry and hematological parameter. Please
The results of acute and sub-acute toxicity studies were also inconsistent. Please explain on this matter.