

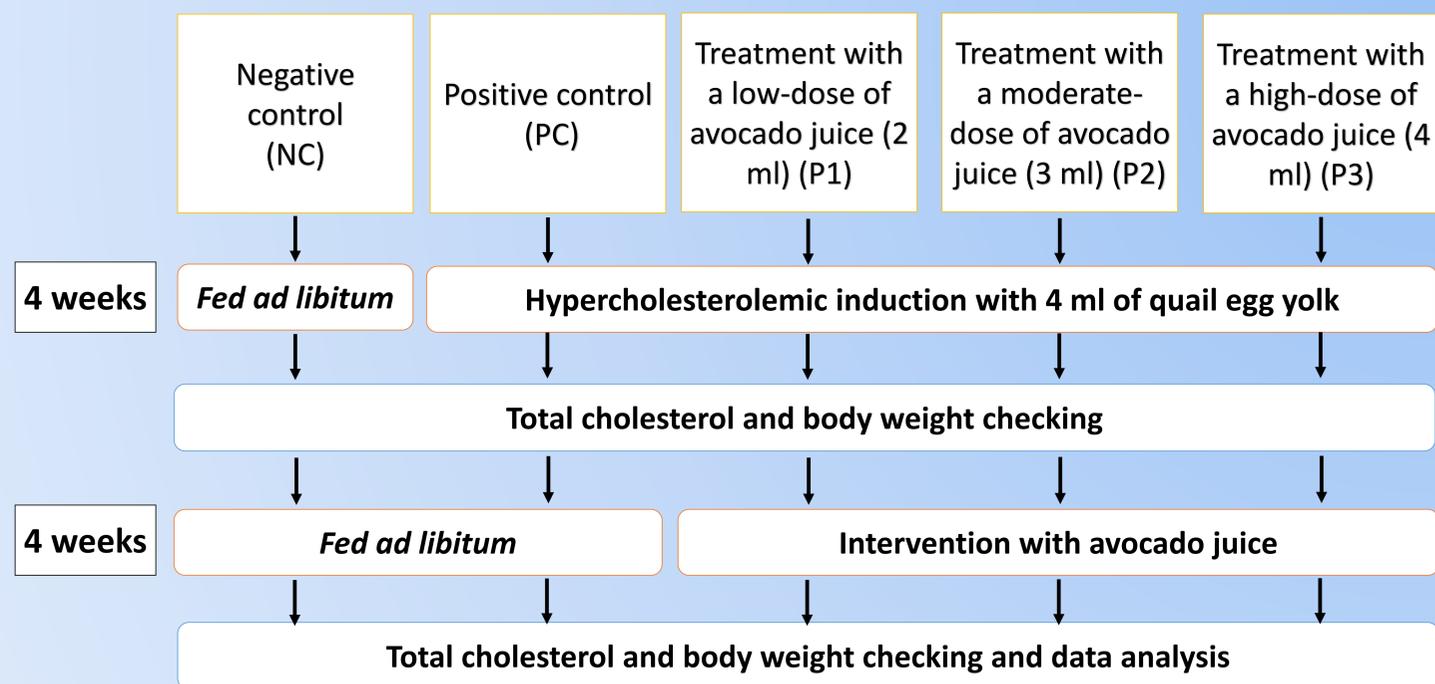
# BODY WEIGHT CHANGE IN HYPERCOLESTROLEMIC RATS MODEL AFTER INTERVENTION WITH AVOCADO (*Persea americana* Mill) JUICE

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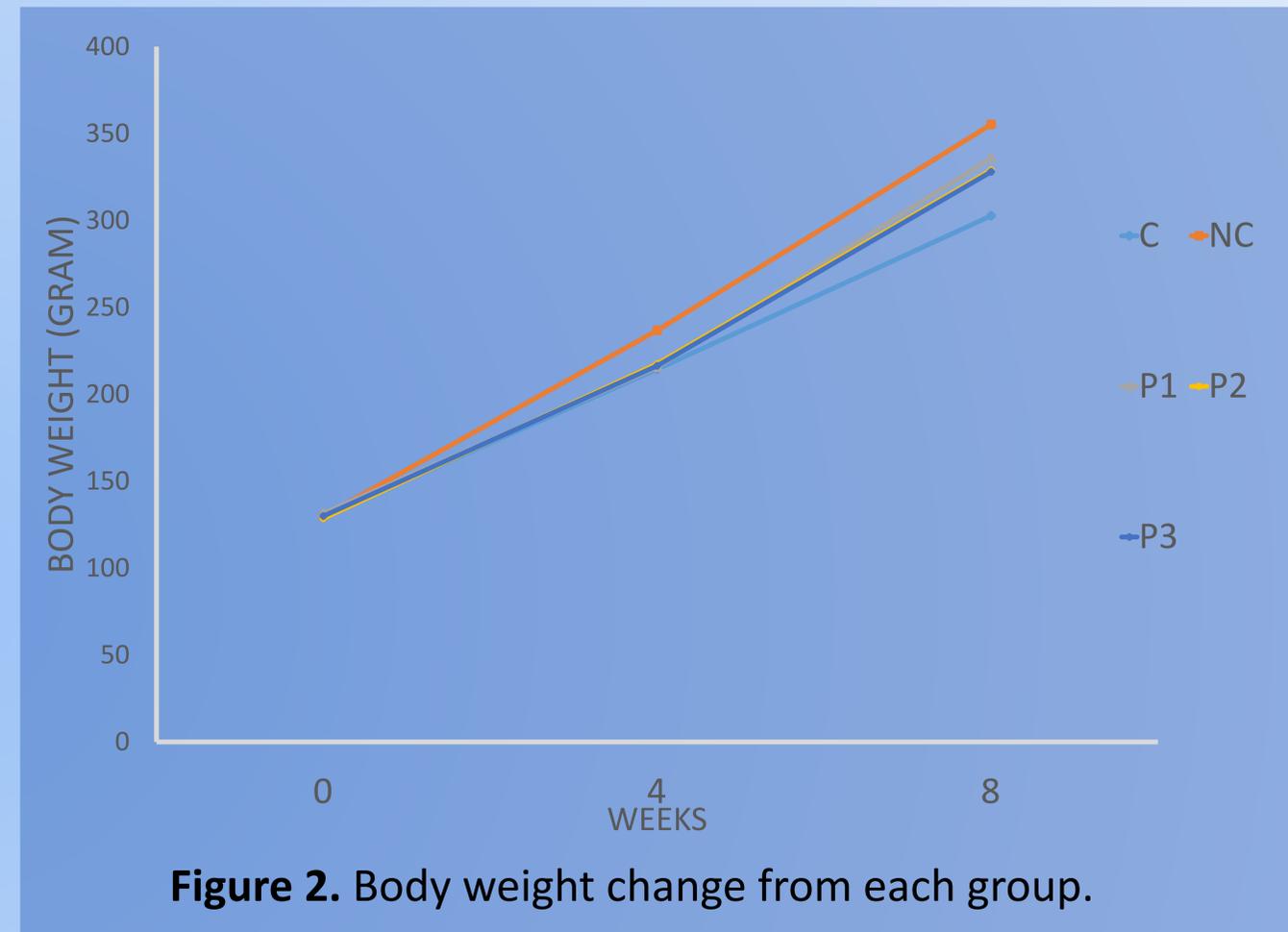
**Background:** Body weight (BW) has related to hypercholesterolemia and increase risk of cardiovascular disease. Avocado (*Persea americana* Mill) has some benefits for health. This study aims to determine the effect of avocado juice consumption on BW change of the hypercholesterolemic Wistar rats (*Rattus norvegicus*) model.

**Method:** The subjects were male Wistar rats (*Rattus norvegicus*) aged 2-3 months. The rats were divided into 5 groups as described in the flowchart (Figure 1). All data were statistically analyzed with The One-Way ANOVA test and Bonferroni Post-Hoc test. Values were considered significant at  $p < 0.05$ .



**Figure 1.** Flowchart of hypercholesterolemia induction and intervention with avocado juice.

**Result:** The change of body weight are described in the figure below (Figure 2).



There are significant change ( $P < 0.001$ ) on body weight after hypercholesterolemia induction and intervention with avocado juice but no significant change ( $P > 0.05$ ) between difference dosage of intervention.

**Conclusion:** There has no significant effect of avocado juice on body weight in the hypercholesterolemia rats model

This abstract and poster are presented in The 19th World Congress on Insulin Resistance, Diabetes & Cardiovascular Disease (WCIRD) at the Hilton Universal City Hotel in Los Angeles, on December 2-4, 2021.  
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