

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 $p < 0.05$.

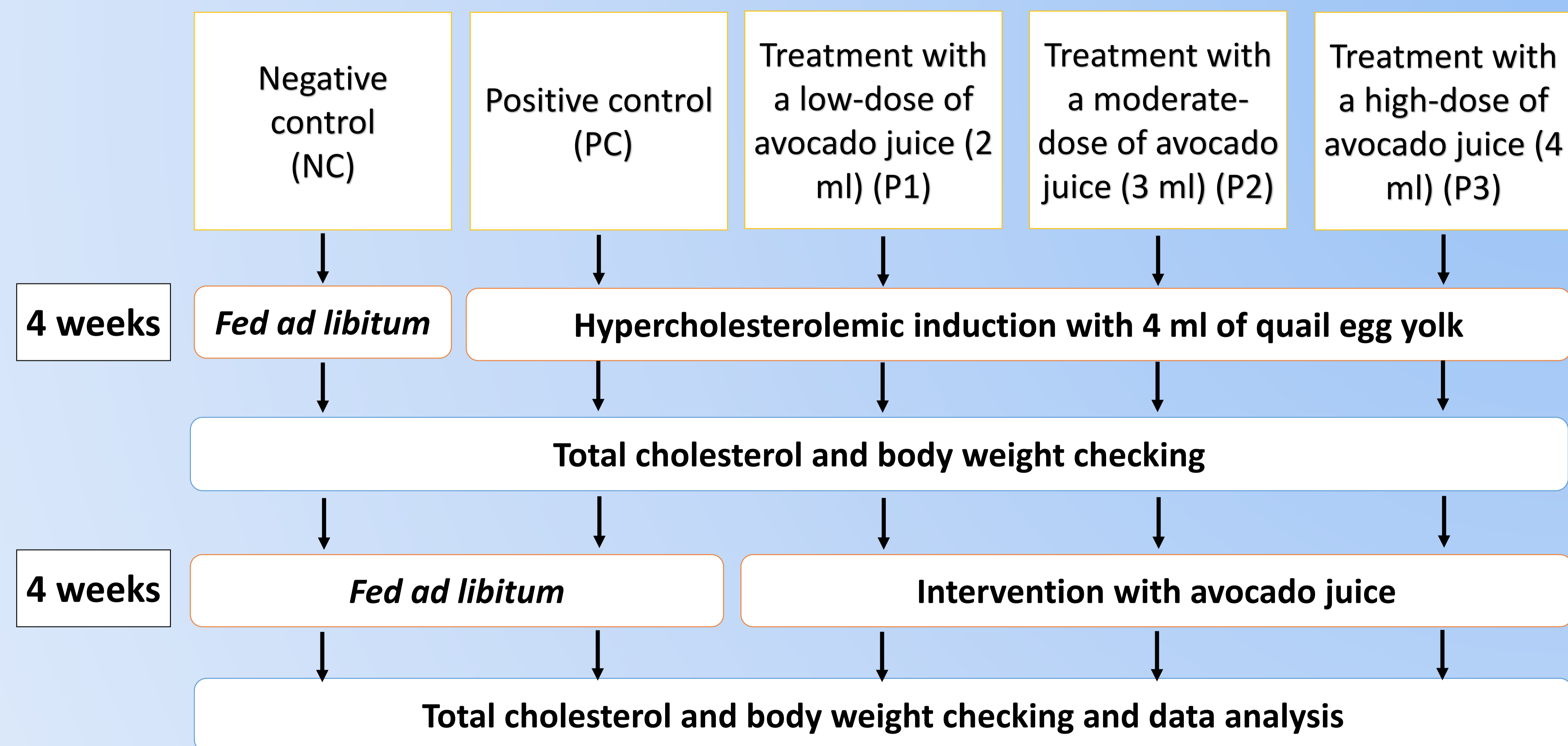


Figure 1. Flowchart of hypercholesterolemia induction and intervention with avocado juice.

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

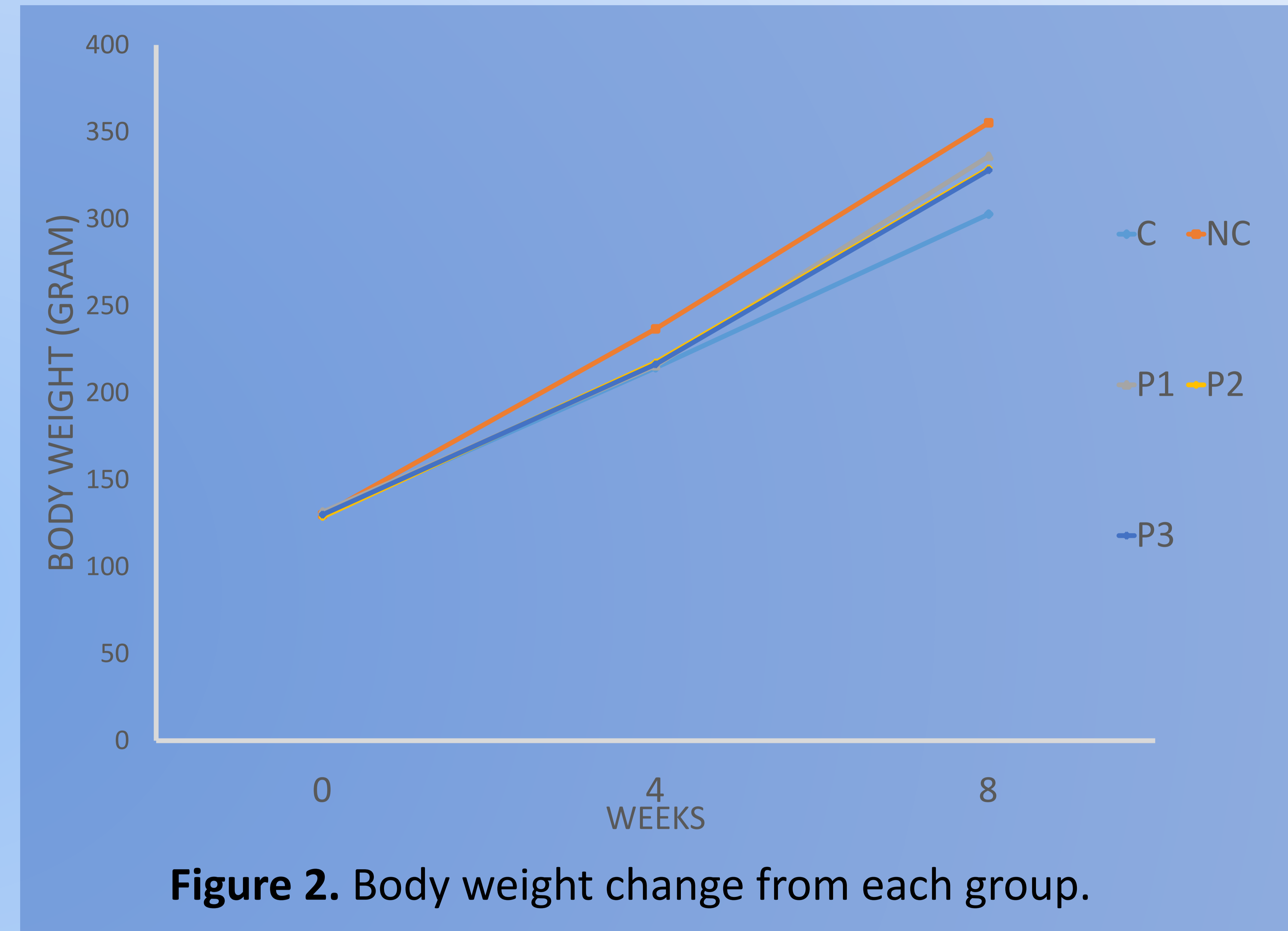


Figure 2. Body weight change from each group.

There are significant change ($P < 0.001$) on body weight after hypercholesterolemic 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 hypercholesterolemic rats model