



Anti-Thrombocytopenic and Hemostatic Effect of Papaya (Carica papaya) on Aspirin Induced-ICR Mice

By Don Johnson Villanueva

GRIN Verlag GmbH Jun 2015, 2015. Taschenbuch. Book Condition: Neu. 210x148x1 mm. This item is printed on demand - Print on Demand Neuware - Scientific Study from the year 2014 in the subject Medicine - Alternative Medicine, grade: 96.7, , course: Biology, language: English, abstract: Aims: To investigate the Anti-thrombocytopenic and Hemostatic effect of Papaya fresh fruit extract in the sub-normal platelet counts and other blood components of ICR mice induced by Aspirin. Study design: In vivo biological assay. Place and Duration of Study: Zoology Laboratory, Biology Department, College of Science, Bicol University, Legazpi City, between October and November 2013. Methodology: Mice were induced with Aspirin and treated with varying concentrations of Papaya fruit extract: Low, Medium and High, including the Negative and Positive controls with three replicates each. Blood samples were collected through tail vein method on day 0, seventh day and fourteenth day. Automated CBC, determination of bleeding time and clotting time, and weighing were also completed on the abovementioned days to attain the required data. Results: In terms of platelet count, significant differences among the treatments were found by ANOVA during the 7th and 14th day of treatment ($p=0.000$). In terms of clotting time, it only took...



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