which were divided into 4 groups, the control group (7 rats) received distilled water, the other three treatment groups each group (14 rats) were divided into two subgroups T1 & T2 according to the following oral daily dosing regimen (aspirin subgroup 2 and 4 mg/kg, captopril 6 and 12 mg/kg and aspirin + captopril (2 + 6 mg/kg and 4 + 12 mg/kg), respectively.

The following biochemical and hematological results were recorded during the experiment:

- Aspartate Transaminase: significant increase (p < 0.05) were observed in the serum of rats treated subgroups T1 & T2 of captopril and captopril + aspirin after 3 months while aspirin showed a significant increase in serum AST level started from 1.5 months for T2 group.
- Alanine Transaminase: Captopril, aspirin and captopril + aspirin treated rats showed significant increase (P < 0.05) in serum ALT level in both T1 & T2 subgroups at the period of 1.5 & 3 months treatment positively proportional with the dose and treatment period.
- Alkaline Phosphatase: Captopril, aspirin and captopril + aspirin treated rats showed highest levels with significant increase (P < 0.05) in serum AP levels in both T1 & T2 subgroup at the period of 1.5 & 3 months treatment positively proportional with the dose and treatment period.