**MANUSCRIPT REVISION DETAILS**

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| **REVIEWER****NUMBER** | **QUERIES/COMMENTS** | **RESPONSE TO****QUERIES** | **MANUSCRIPT****PAGE** |
|  | Please state the exact p value in all instances | **Result:** Result shows a rapid weight gain(89.9%) in rats fed on HSD when compared with the control group (55.3%) but no significant difference (p=0.12) in liver weight among the groups. Also, there was a significant increase in the plasma glucose, triglyceride, total cholesterol, LDL-C (P=0.000, p=0.010, p=0.000 and p=0.002 respectively) and a significant decrease (p=0.43) in plasma HDL-C in rats fed on HSD when compared with those fed on normal rat chow. A significant increase in liver tissue HDL-C (p=0.030) were observed in the *Vernonia amygdalina*-treated rats. | 1 |
|  | Write ROS in full at the first mention | reactive oxygen specie (ROS) | 2 |
|  | Write LDL-C in full at the first mention | low density lipoprotein cholesterol (LDL-C) | 2 |
|  | Is this objectiveappropriate as captured? | Yes | 3 |
|  | The patterns of OGTT are shown in Figure 1. [Is this appropriate as captured? | Yes | 5 |
|  | *Plasma and Liver lipid profile* [Please state the exact *P* values instead of p<0.05 or p>0.05 | **Plasma glucose**A significant increase (P=0.000) in plasma glucose was observed in HSD-fed rats (G3) when compared with the group fed on rat chow only (G1). Also, a slight reduction was observed in *Vernonia amygdalina* treated groups (G2, G4) (Table 2).**Plasma and Liver lipid profile**There was a significant increase in the mean plasma TG, mean total cholesterol, mean LDL-C (p=0.010, p=0.000, p=0.002 respectively) but a significant (p=0.012) decrease in mean plasma HDL-C among rats fed HSD (Group 3) compared with those fed normal rat chow (Group 1). A significant decrease in the mean plasma TG, mean total cholesterol, mean LDL-C (p=0.000, p=0.000 and p=0.000 respectively) but a significant (p=0.012) increase in mean plasma HDL-C were observed in rats fed on HSD plus bitter leaf (Group 4).There was a significant decrease in the mean liver TG, mean total cholesterol, mean LDL-C (p=0.027, p=0.000, p=0.002 respectively) but a significant increase (p=0.001) in the mean liver HDL-C among rats fed HSD plus bitter leaf (G4) compared with those fed HSD alone (G3) (Table III). In addition, a significant decrease (p=0.025) in the mean liver LDL-C, a significant increase (p=0.000) in the mean liver HDL-C and a non-significant decrease (p=0.082) in the mean liver total cholesterol were observed among rats fed normal rat chow diet plus bitter leaf (G2) compared with rats fed normal rat chow diet alone (G1). Decreased mean liver cholesterol, mean LDL-C and increased mean liver TG and mean liver HDL-C were observed among rats fed normal rat chow diet plus bitter leaf (G2) (Table III). | 5 |