Haematological indices of male rats following oral exposure to a mixture of cypermethrin and dimethoate (uppercott insecticide)

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The present study evaluated the haematological parameters of male rats exposed to oral administration of daily doses of 10 mg/kg and 20 mg/kg uppercott (a mixture of cypermethrin and dimethoate belonging to organophosphate and pyrethroid groups). They were sacrificed after 28 days. Results obtained showed a dose dependent decrease in red blood cell (RBC), packed cell volume (PCV), Mean corpuscular haemoglobin (MCH) and corpuscular haemoglobin concentration (MCHC). White blood cells (WBC), lymphocytes and neutrophils increased significantly (p<0.05) while eosinophiles had no significant change (p>0.05) in concentration comparison with control. Thus, uppercott may induce haematoxicity in mammals.

Biography
Ekwere M R is a senior lecturer and a PhD student of Uboh F E. Ekeruke M B is a student under the supervision of Uboh, assisted by Ekwere.

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