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ADVERSE EFFECT OF DRUG (FLORFENICOL) IN BROILER CHICKENS INFECTED WITH ESCHERICHIA COLI

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Abstract

This study was carried out to investigate the effects of chemical antibacterial (florfenicol) (1ml /10 kg. body weight orally for 5 successive days) to be used in prevention of colibacillosis caused by Escherichia coli infections in poultry farms and their effect on some of liver and kidney functions. The recorded results elicited a significant increase in AST, and ALT levels and significant decrease in total protein and albumin levels in chicken infected and treated with florfenicol At 6 and 10 days post treatment with the therapeutic dose of florfenicol (1ml /10 kg. body weight orally for 5 successive days) on uric acid and creatinine level of healthy and experimentally infected chickens with E.coli. group infected treated with florfenicol showed a significant increase in serum uric acid and creatinine level when compared with non infected non treated (control group). From this study we can concluded florfenicol, increase the hepatorenel toxic effect of in E.coli infected broiler chickens. And we should seek for alternative antibacterial in broilers to avoid side effects of chemical antibacterial drugs such as florfenicol residues and resistance.

Author Keywords

Hepatorenal toxicity, florfenicol. E.coli

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