

Induced aflatoxin and carbon tetrachloride toxicity on gravid uterus of rabbits – A Patho-morphological Study

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Abstract

Uterus of the pregnant rabbits, treated with aflatoxin showed resorption of foetuses. Histologically, extensive haemorrhages in the endometrial and parametrial areas and presence of extensive fibrosis of mucosa and muscularis were observed. In combined treatment with aflatoxin and carbon tetrachloride resorption of foetuses was noticed. Hyperplastic or metaplastic changes of lining epithelium of the endometrial mucosa was observed. The lining epithelium usually was that of cuboidal type. Multiple haemorrhages in the submucosa were observed. In pure carbon tetra chloride treatment, there was no resorption of foetuses, but extensive fibroblastic proliferation in uterine muscularis and as well as periglandular and interstitial proliferation of fibroblasts in the endometrium were seen.

Key words: Pregnant rabbits, Aflatoxin, Carbon tetrachloride, Uterus