Hepatic alterations in albino rats induced by Ajinomoto (msg) and Hepatoprotective role of Ginkgo Biloba

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Abstract

The study aimed to evaluate the histological Hepatic alteration in albino rats induced by Ajinomoto (monosodium glutamate) and Hepato-protective role of Ginkgo biloba. Twenty one Albino Wistar rats average weight (150-200g) were taken for this study and divided into 3 parallel groups (n=7 in each group). Group 1 was control group which served as normal control feed with distilled water. Group II (experimental group) served Ajinomoto (MSG) 0.08mg/gm/po for the 45 days, Group III (experimental group) served Ajinomoto (MSG) 0.08mg/gm/po with GBE 0.05mg/gm/po for 45days. All the healthy adult Wistar rats with normal and without any gross abnormality were selected for this experimental study. All effected disease or any moribund rats were excluded. On 46th day, after the completion of experiment all rats were scarified and the Liver of Wistar rats ws rapidly collected and fixed in formaldehyde. The group of rats that received MSG for 45 days showeds changes of congestion of central vein in 7 out of seven, also changes in infiltration of leukocyte were observed in 6 rats, centrilobulor hemorrhagic necrosis was seen in all 7 rats, and only one animal was vobserved with changes of hepatic fibrosis. It is concluded that Ajinomoto (MSG) have significant effects on liver histology than the group that received EGB

Biography:

Muhammad Ishaque M.R has completed his M.Phil from Hamdard University and P.hD studies from Government College University Faisalabad. He is the Researcher officer A.R.Laboratories (herbal medicine) organization. He has published more than 7 papers in reputed journals

Speaker Publications:

1. "Risperidone and Levothyroxine for Managing Myxedema Madness".
2. "Far and Few Between: Early Onset Multiple Myeloma in a 26-Year-Old Female".
3. "An overview of the mechanisms of marine fungi-derived antiinflammatory and anti-tumor agents and their novel role in drug targeting".
4. "Cannabis-Induced Catatonia: A Case Series".
5. "Anti-hyperuricemic potential of stevia (Stevia rebaudiana Bertoni) residue extract in hyperuricemic mice".

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