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Effects of Chondroitin Sulfate on Antioxidation and Histology

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ABSTRACT

This study was conducted to develop a biomaterial to be used for antioxidative drug. The antioxidative effects of chondroitin sulfate (100mg/kg and 200mg/kg body weight) were investigated at the bioactive levels of liver homogenate fractions (liver total homogenate, mitochondrial, and microsomal fractions) and sera. In this study, the ovariectomy-induced aging rats were used as animal model. In addition, the rat liver was histologically examined. The results showed that Chondroitin Sulfate(CS) injected groups were found to be remarkably higher than non-injected group in bioactivity and antioxidation.