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The Effect Multi Dosage of Sulphadiazine on Histopathological Liver of Mice (Mus musculus)

Pengaruh Pemberian Dosis Bertingkat Sulfadiazin terhadap Histopatologik Hati Mencit (Mus musculus)

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Abstract

This study was conducted to know the effect multi dosage of sulphadiazine on histopathological liver. The subjects consisted of 24 male mice (Mus musculus), 1 months old with the body weight of 30.79 g Â± 3.99 g, were divided into 4 groups of 6 mice each. The first group (P1) as control group just orally received aquadest. The P2, P3 and P4 group were treated orally with multi dosage of 0.17 g, 0.34 g and 0.51 g sulphadiazine/kg body weight respectively. Treatments of sulphadiazine have been done for 30 days, once a day. A day after the last treats, all of the mice was sacrificed. The results indicated that histopathological liver effects occurred in groups P2, P3 and P4. There were degeneration, necrosis of the liver cells and hyperaemic. It was concluded that the greater dosage getting the worst effect (P