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Toxipathological Effect of Silver Nanoparticles on The Brain and liver of Albino Rats

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Abstract: Silver nanoparticles have been used extensively in a range of medical settings due to antibacterial properties. Despite the wide use of silver nanoparticles, relatively few have undertaken to determine the biological effect of nanosilver exposure. The present study objective to investigate the effect of nanosilver on brain and liver, *in vivo* via intravenous injection of silver nanoparticles dose 0.5 ml into rats. Ten female rats aged (9) weeks and weight (180-195) gm were divided equally into (2) groups n=5, group I: rats served as control, group II: rats serve as experimental, after one month the rats were sacrificed for histopathological samples, the results were severe pathological lesions in brain and liver.

Keywords: Nanosilver, brain, liver, histopathological, rats, intravenous injection.

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