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The Effect of Ginger Plant (*Zingiber officinale*) Aqueous Extract on Function and Histological Structure of Kidney in Mice Treated with Carbon Tetrachloride

Israa Salim Abdulhameed*,1, Dalya Faiz Hashim Al-Mohamadamin², Asmaa Basheer Abed¹, Wijdan Basheer Abid¹

¹Department of Biology, College of Education for Pure Science (Ibn Al-Haitham)
University of Baghdad

²Institute of Biomedical Technologies, Auckland University of Technology, Auckland,
New Zealand

Abstract: The percent work was designed to determine the effect of ginger plant aqueous extract on function and histological structure of kidney in mice treated with carbon tetrachloride (CCl₄). Ginger plant caused a protective effect against CCl₄ induced kidney damage and improved the kidney weight and biochemical parameters including urea, uric acid and creatinine. The ginger plant has a protective effect against injury in the kidney of mice treated with CCL₄, because the ginger plant protects the tissues of kidney from toxic effect of CCL₄. The kidney of CCL₄ treated mice showed many histological alterations in the kidney included: atrophy, vascular degeneration and hemorrhage, death cell, degeneration of epithelial cells, destruction of basement membrane and reduce of interstitial connective tissue.

Key words: Kidney, CCl₄, Urea.

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