

Abstract

kidney is a Metabolic organ that is confronting with chemical things and drugs. In this article we discuss about the way of intercurrenting L-Carnitin and L-Arginine in index of kidney injury in field mouse.

In our experiments we divided 50 field mouse in 5 group and stricked them to diabetes by injecting 120 mg of Alloxan. we fed them in 30 days. at the end of the experiment we measured blood glucose and other biochemical parameters and then for realizing Histopathologic changes we fainted them and killed them and checked the sample of kidney by two method: 1. Hematoxylin-Eosin 2. guard using optical microscope. Final result represents that using L-Arginine and L-Carnitin has a positive effect in controlling diabetes. using both L-Carnitin and L-Arginine synchronicly has a synergist effect and most positive effect in controlling diabetes.

In pathologic experiments in the first group kidney tissue and tubule's situation was normal and there was no toll pathologic.

In second group blood glucose increased and we saw swollen cells and Glomerulosclerosis.

In third group L-Carnitin has more remedial effect than second group and finally treatment with both L-Carnitin and L-Arginine has the most improvement.

Keywords: L-Carnitin, L-Arginine, Field mouse, Diabetes, Histopathologic



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**Investigation of histopathological effects
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kidney of male diabetic rats**

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