

Abstract:

This research was conducted to evaluate the anti-inflammatory and the healing effects of hydroalcoholic extract of *Averrhoa carambola* and *Opuntia dillenii* on lead induced hepatic injury.

In this research we used 36 male wistar rats randomly divided into 6 group (n=6) including control group: negative control

Lead group: the group intoxicated by intra peritoneal injection of lead acetate

K100 group: the group intoxicated by intra peritoneal injection of lead acetate and treated by 100mg/kg of hydroalcoholic extract of *Opuntia dillenii*

K200 group: the group intoxicated by intra peritoneal injection of lead acetate and treated by 200mg/kg of hydroalcoholic extract of *Opuntia dillenii*

S100 group: the group intoxicated by intra peritoneal injection of lead acetate and treated by 100mg/kg of hydroalcoholic extract of *Averrhoa carambola*

S200 group: : the group intoxicated by intra peritoneal injection of lead acetate and treated by 200mg/kg of hydroalcoholic extract of *Averrhoa carambola*

The research was prolonged for 10 days and the approach was including the protection of rats by oral gavage of *Averrhoa carambola* and *Opuntia dillenii* and the intoxication of them in addition to oral gavage of the extract in the other 5 days of period.

The antioxidant situation of the serum was evaluated by MDA

assessment in the TBARS approach and liver injury was evaluated by AST,ALT,ALP assessment .

The statical analysis of TBARS of the samples showed a significant reduction in both hydroalcholic extract treated groups including 100mg/kg and 200mg/kg treated groups($P < 0.001$ for all cases)

key words:Opuntia dillenii,Averrhoa carambola ,oxidative stress,lead acetate,liver



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Graduate school
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**The Thesis Submitted for the Degree of Doctor of Professionals
(in the Field of veterinary medicine)**

**Effect of the hydroalcoholic extract of *Opuntia dillenii* and
Averrhoa carambola on the oxidative stress following liver
injury using Lead acetate in male wistar rats**

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July 2017