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(GOT)

Glutamate (GPT)

Glutamate oxaloacetate transaminase

Lactate dehydrogenase (LDH)

pyruvate transaminase

G-6-)

-6-

Alkaline phosphatase(ALP)

Glucose-6-phosphate dehydrogenase(PH

Protoscolec

Echinocossus granulosus

ALP GPT GOT

G-6-PH LDH

**Determination of Activity of some Enzymes in Protoscoleces of
Echinococcus granulosus of Sheep Origin and the Effect
of Infection on the Enzymes Activity in Sheep
Heart Tissues**

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ABSTRACT

The present study focused on comparison of the enzymes Glutamate oxaloacetate transaminase (GOT), Glutamate pyruvate transaminase (GPT), Lactate dehydrogenase (LDH), Alkaline phosphatase (ALP) and Glucose -6- phosphate dehydrogenase (G-66PH), in heart of sheep infected with *Echinococcus granulosus* of sheep origin, and those of non-infected sheep to clarify the effect of the parasite on heart tissues of sheep.

Results show a significant decrease in the activity of GOT, GPT and ALP in hearts of infected sheep compared with protoscoleces and control (non-infected) sheep. On the other hand, there seems to be a significant increase in activity of LDH and G-6-PH in hearts of infected sheep compared with protoscoleces and non-infected sheep.