Biochimie. 1987 Jan;69(1):71-3.

# The effect of thermal injury on the regulation of phosphofructokinase in the mucosa of rat small intestine.

Khoja SM, Ardawi SM.

## Abstract

The effects of thermal injury (72 h post-injury), 72 h-partial (20% less food) or full starvation on the regulation of phosphofructokinase in the mucosa of rat small intestine were studied. Thermal injury and 72 h-partial or full starvation decreased the activity ratio v0.5/V, but the ratios obtained for thermally injured or fully starved rats were significantly lower than those of controls or partially starved rats. The susceptibility of phosphofructokinase to ATP inhibition was increased after thermal injury and 72 h-partial or full starvation compared to that of normal controls. However, these changes that occurred in the enzyme activities of the rat small intestine were mainly specific to injury per se but do not exclude the contribution of partial starvation during the same period of time