

## **BIOCHEMICAL PARAMETERS AND PROTEIN PROFILE OF RATS TREATED WITH DIFFERENT DOSES OF THE FITOTERAPIC MELXI®**

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The use of fitoterapic products formulated from natural resources has been used as an alternative form of treatment in some diseases. The Melxi®, a fitoterapic constituted by the crude extract of pineapple and bee honey, contains a protein complex called bromelain. The present study evaluated the effect of different doses of Melxi® on the biochemical parameters and the protein profile of rats treated with the fitoterapic, comparing them with the animals controls. *Wistar* rats were divided in 5 groups. The control group received for orogastric gavage NaCl 0.9%, treated groups received increasing doses of Melxi®. After 7 days, the animals were sacrificed, the blood was collected, centrifugated and the serum used in the biochemical assays for the evaluation of hepatic and renal functions. Results demonstrated that the total protein concentration presented similarity in the 5 analyzed groups. In the treated animals with Melxi® occurred increase of the fraction  $\alpha$ -2 and  $\gamma$ -globulin, while was observed reduction of the fraction  $\alpha$ -1. The concentrations of creatinine and potassium were lightly diminished, occurring still a reduction of ALT and AST. The data obtained demonstrated that the use of the Melxi in the conditions of this study did not present toxic effect on liver and kidney functions, although having presented small biochemical variations.

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