Abstract

Background: The Cissus sicyoides, popularly called insulin plant, the drink is widely used in folk medicine to control glycemia. However, there are not enough datas about the effect of Cissus sicyoides on bone physiology. Thus, the goal was evaluate the glycemia and femur parameters in male rats.

Material and methods: Wistar male rats with 12 weeks were divided control group (C) and treated with 5% of Cissus sicyoides (CS). After 42 days of treatment the groups were sacrificed and the body mass (g), glycemia, body organs and femur parameters were assessed. Results: In the last week the CS group showed significantly lower body mass and lower glycemia. After 42 days the CS showed heart and liver mass were significantly lower. In regard to bone parameters, the mass and BMD of femur were significantly lower in CS group. Conclusions: Despite the Cissus sicyoides drink decrease the glycemia, nevertheless it intake does not seem unfa- vorable for bone parameters.

Keywords

Key words, Cyssus sicyoides, Rat, Femur, Glycemia, DXA.