

## **Morphometry of the collagen fibers in healthy and diabetic rats treatments with vitamin C**

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The increase of the heart collagen fibers in diabetics is a fact knowledge, but yours consequences doesn't defined. This work aimed to study the variation in quantify of the cardiac collagen fibers in normal and diabetics animals treatments with the vitamin C. For this were selecteds 32 Wistar rats, 16 diabetics animals induced with streptozotocin endovenous and 16 healthy animals, half of the animals were treatments with the vitamin C (diabetics and normals) for 90 days. After proceedings experimentals the hearts were removed and processing second conventional protocol for optical microscopy and specified coloration to collagen. The results showed that the diabetics animals presents increase in quantify of cardiac collagen fibers and the treatment with vitamin C little accumulation of the fibers. We conclude that the use of vitamin C is important for prevention of the heart failure in diabetic animals.