THE EFFECT OF ROYAL JELLY ON SPERMATOGENESIS IN RATS WITH ACUTE HEAT STRESS

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Scheme of the experiment:

80 mongrel mature rats in the age from 4 months to 1 year.

Group of intact animals (1)

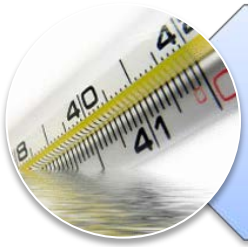
Control groups:

- acute heat stress (2)
- with feeding of Royal jelly in physiological conditions (3)

Experience groups:

- with preventive feeding of Royal jelly (4)
- with therapeutic feeding of Royal jelly (5)

Methods of experience:



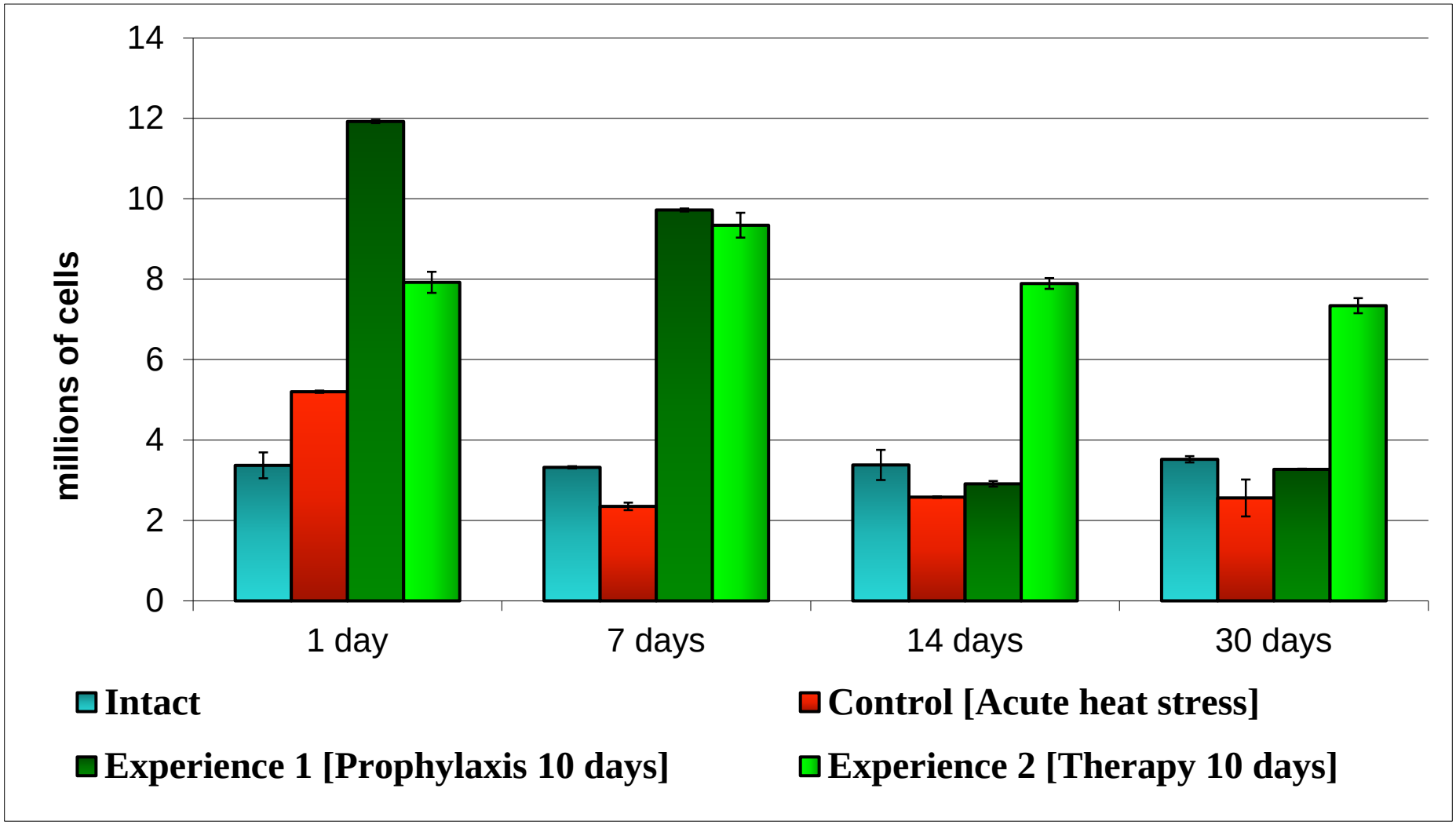
model of acute heat stress created by putting rats in a thermostat with the temperature of +40°C for 30 minutes

feeding native Royal jelly daily by oral for 10 days at a dose of 100 mg/kg

method of stimulation ejaculation by 2% oxytocin solution administered to male rats intramuscularly in a dose of 0,2 ml

light microscopy in a drop of native ejaculate on glass

Dynamics of rats semen in acute thermal exposure, prevention and correction of its consequences by Royal jelly



Thank you for your attention