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OXIDE OF NITROGEN IN TREATMENT ENDOCRINE STERILITY

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Introduction. The problem of endocrine sterility is a paramount problem of modern medicine. Oxide of nitrogen (ON)- the physiological regulator easily in pouring through biological membranes.

The purpose. Study of influence of ON by treatment of endocrine sterility.

Material and methods. Carrying out the experiment on old doe-rabbit with signs of fading of function of system. Daily, within 3 days through a special point, effected processing a vagina doe-rabbit within 3 minutes gaseous oxide of nitrogen (1group). For comparison, the contents of hormone and change in generative organs at old doe-rabbit with signs of fading of system of a breeding before influence on them oxide of nitrogen (2group) and at young doe-rabbit (3group) is investigated.

Results. After use oxide of nitrogen rising oestradiolum and progesteronum and blood doe-rabbit of 1-st group is observed in comparison with 2 group old doe-rabbit, with which did not effect processing a vagina oxide of nitrogen (Oestradiolum - with $55,7 \pm 5,2$ nMol/l up to $97,2 \pm 3,8$ nMol/l; Progesteronum - with $44,7 \pm 1,8$ nMol/l up to $54,1 \pm 1,8$ nMol/l). Concentration of Oestradiolum at an animal after application oxide of nitrogen was higher, than at young doe-rabbit - 3-rdgroup. The hydrocortisone was enlarged in 1-st group of animals and was much higher, than at young doe-rabbit ($72,3 \pm 2,4$; $p < 0,05$;). After processing a vagina doe-rabbit oxide of nitrogen, there is a vasodilatation microcirculation of a channel to a hyperemia of a tissue, activization of the follicular device and output of erythrocytes in perivascular space.

Conclusion. Oxide of nitrogen produces a stimulation morfofunctional state of genesial members by old doe-rabbit, and also make more active sexual hormone and steroid hormone, being by the factor recovering dying away genesial function of animals, caused by age changes.

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ULTRASOUND DIAGNOSTIC CRITERIA IN PREGNANCY WITH HYPERTENSIVE DISORDERS

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Relevance. Hypertensive disorders in pregnant are one of the most frequent and dangerous complication of pregnancy, delivery and puerperal period. Prenatal condition of the fetus is found in a correlative dependence from the utero-fetal blood flow.

The aim. Is to apply Dopplerometric research method as a diagnostic criterion for identification of hemodynamic disorder severity in pregnancy depending on the stage of hypertension.

Materials and methods. For the purpose of the study, 168 women at 28-41 week of gestation were examined. All pregnant women were divided into clinical



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