Research was conducted studying the peculiarities of development of pharmacological kindling in rats with different tolerance to hypoxia. Kindling was evoked by injecting subconvulsive doses of corazol (25 mg per kg) every day. Intensity of convulsions was expressed in points. Reliable distinction in intensity of convulsion between low-tolerant rats and high-tolerant rats to hypoxia was found on the 17th day of stimulation; amongst the group of low-tolerant rats the intensity of convulsions was found to be 2.46 + 0.30 points, and amongst the group of high-tolerant rats--1.20 + 0.22 points (p 0.05). On the 23rd day of injection the preparation convulsions in the group of low-tolerant rats reached up to 4.00 + 0.20 points and in the group of high-tolerant rats 2.28 + 0.45 points (p 0.01). The changes of violation of behavior were found to be different. Thus, the higher the individual resistance to hypoxia, the more is the resistance of the animal to the effect of epileptogens.

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