

the increase of activity parasympatic department carries behind itself downturn иммунной protection of immunity.

Alternative to correction psychosomatic infringements at an exhaustion sympatic department of nervous system can be selection of methods of correction carrying in the basis elements of psychological and impellent correction.

The work is submitted to the International Scientific Conference «Fundamental researches», Croatia, July 23-30, 2014, came to the editorial office on 25.03.2014

PHARMACOLOGICAL PROTECTION OF HEART BY STRESSPROTECTORS DRUGS IN EXPERIMENTAL CONDITIONS

Karnaukh E.V., Kirichek L.T.

*Kharkiv national medical university, Kharkov, Ukraine,
e-mail: ella69k@mail.ru*

Emotional stress is a modern risk factor and complicates the course and prognosis of cardiovascular system diseases, therefore search cardioprotective agents among the anti-stress drugs actions will help to optimize the treatment of cardiovascular disease, and which is currently not only medical but also a social problem of modern medicine.

Pharmacological protection of heart was studied in 340 Wistar rats weighing 150-250 g in experimental model of an emotional stress “The Conflict of afferent stimulations”, simulation of myocardial ischemia in the experimental model pituitrynic coronary spasm (Pituitryn 10 U/kg) and calcium ar-

rhythmia models pathology (Calcium chloride 500 mg/kg), exponentiated by a stress.

Pharmacological protection of heart from damaging operating of an emotional stress and avoidance of development of myocardial dystrophies of a stressful genesis was investigated using anti-stress drugs: following adaptogen Eleutherococcus (0,5 ml/kg), tranquilizer Phenazepam (2,5 mg/kg), nootrop Pyracetam (200 mg/kg) and metabolite of a tryptophan Nicotinamid (50 mg/kg), for which one for the first time in conditions of a pilot model of an emotional stress “The Conflict of afferent stimulations” is rotined availability of cardioprotective properties. Fixed, that capdioprotection with the help these anti-stress drugs realising with help intensifying of developments an own stress-limiting systems of an organism and limitation by them of reactings of stress-realising systems. It confirms by positive dynamics studied electrophysiological, haemodynamic and metabolic parameters of a functional condition of myocardium in stress and in the pituitrynic coronary spasm and calcium arrhythmia models pathology, exponentiated by a stress.

Availability of cardioprotective properties of studied anti-stress drugs, which one are most expressed for Pyracetam (Pyracetam>Phenazepam>Nicotinamid>Eleutherococcus), allows to recommend them for further targeted application in clinic as cardioprotectors with the medical and preventive purpose in a structure of complex therapy of a pathology of heart of a stressful genesis.

The work is submitted to the International Scientific Conference «Fundamental researches», Jordan (Aqaba), June 8-15, 2014, came to the editorial office on 26.03.2014