Khomenko V.H.,
Candidate of Medical Sciences,
Senior Lecturer, Department of medical biology,
genetics and pharmaceutical botany,
Bukovina State Medical University

INFLUENCE ENOMELANIN ON ANIMALS ON THE BACKGROUND OF INTOXICATION METAL CHLORIDE

It was studied on the white rats of "Wistar" line with toxic nephropathies, which were caused by metal chlorides chlorous compounds of aliuminium, pliumbum the antioxidant action of enomelanin. It has been found out that mechanism of enomelanin antioxidant action consists in decrease of lipids peroxidation processes intensity in cortical renal tissue at secondary decrease of rennin-angeotensin-aldosterone system activity.

Enomelanin is the messenger of reactive oxygen species, reduces the activity of the renin-angiotensin-aldosterone system, contributes to the process sanogenetic mechanisms and restores renal function.

Mechanisms of antioxidant action enomelanin are to reduce the intensity of lipid peroxidation in renal cortical bowl of white rats with metaltoxemia. Reduced activity of the renin-angiotensin-aldosterone system under the influence of phenolic pigment grapes – enomelanin is a secondary effect, which is associated with a decrease in the level of lipoperoxides that stimulate the synthesis and secretion of renin.