Comparative research of affecting condition of SDS preparation in lipid peroxidation in the process of kidney inflammation which was formed by kanamycin

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Background.
A recent day is one of a rare drug plant in Mongolia, which use in traditional medicine a long time ago. Therefore based on nature resource of traditional medicine, on the base of evaluating pharmacological and biological action to develop a new drug of plant origin is important not only for treatment, but also has a economic significance.

Objectives
The present study was to determine protective effect (Saposhnikovia divaricata(Turcz) Schischk) kanamycin-induced nephrotoxicy in rats.

Methods
Experimental animals
Three-month old Wistar albino rats of either sex weighing 150-250 g were used for the study. The pathological model of kidney we use lipid peroxidation in the process of kidney inflammation kidney tissue, blood serum, erythrocyte MDA of membrane amount on 3, 7, 14 day by using spectrophotometer apparatus of Shimadzu firm of Japan and measured absorption at 535 nm.

All the experimental procedures and protocols used in the study were reviewed and approved by the Bio-Medical Ethical Committee of Mongolian National University of Mongolia.

Results
When we studied affect of extract of SDS preparation to condition of lipid peroxidation activization in the process of kidney inflammation by the indices of MDA which contains in blood plasma and erythrocyte membrane, MDA amount in renal tissue, amount of MDA decreased and it showed affect of decreasing lipid peroxidation MDA of plasma.

Conclusion
The extract of Saposhnikovia divaricata(Turcz) Schischk) has action of protecting kidney and decreasing lipid peroxidation.