



SEMINAR ANNOUNCEMENT

“Effect of Magnetic Treated Water on Nephropathy of Induced Type 2 Diabetic Rats: Biophysical Study”

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Nephropathy (kidney disease) is the most serious side effects of diabetes. The current study aimed to demonstrate the effects of magnetized water on nephropathic changes in type 2 diabetic rats.

Type 2 diabetes was induced by feeding rats on high fat diet for two months followed by injection of a single low dose of streptozotocin (25mg/Kg BW).

The magnetized water was prepared by passing drinking water through our hand-made electro-magnet unit (600 Gauss).

Three groups of rats were used for this study: negative control and two diabetic groups which subdivided as positive control and magnetic water (orally administered with magnetized water for four weeks).

In conclusion, treatment of rats with magnetized water led to ameliorate nephropathic changes following induced type 2 diabetes by reducing free radicals contents, improving renal functions, reducing free fatty acid level (FFA) and improving histopathological structure of renal cortex.