

Influence of Tanacan® on lipid peroxidation of red cell membranes in children with insulin-dependent diabetes mellitus (IDDM)

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We studied the influence of Tanacan (Egb 761) on free radical processes in children with IDDM. We have discovered an increase in the level of lipid peroxidation products and in the intensity of chemiluminescence in patients with diabetes. After two weeks of Tanacan administration we found a decrease of the concentrations of malondialdehyde and conjugated dienes, and of the intensity of chemiluminescence. However, by the end of the month of Tanacan administration we observed an increase of all the parameters of lipid peroxidation compared to the values after two-week Tanacan administration. It is apparently connected with the attenuation of the pharmacological effect.