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SOURCE Documentary as indicated. (Information specifically requested.)

RECENTLY PUBLISHED RESEARCH OF THE SCIENTIFIC RESEARCH INSTITUTE imeni LESGAFT, LENINGRAD, USSR

"Specific Gravity of Aqueous Solutions of Formic and Acetic Acids," A. A. Glagoleva, Phys-Chem Sec, Lesgaft Sci Res Inst

"Zhurnal Obshchey Khimii" Vol 15, 1945, pp 131-4

Densities of aqueous formic acid solutions were determined at 20° and 25°. Two maxima exist in the curves at mono- and dihydrate compositions. Similar maxima exist in aqueous AcOH solutions.

"Relation of Suprarenal Hormones and of Thyroid Hormones to Liver Glycogenase Activity," I. I. Kotlyarov, Lesgaft Inst

"Byull Eksper Biol i Med" Vol 14, No 9, 1942, pp 79-82

Suprarenal hormones depress the liver glycogenase activity, as shown by the glycogenolysis rate curve. Adrenaline and thyroxine accelerate the activity and can be made to completely eliminate the manifestations of the former hormone; adrenaline is capable only of restoration of the normal level, while thyroxine can raise the level above the normal. Therefore, the latter is the true activator of liver glycogenase.

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"Influence of Insulin on Muscle Glycogenolysis in Poisoning by 2,4-dinitrophenol," N. N. Yakovlev, Leningrad Inst

"Byull Eksper Biol i Med" Vol 14, No 8, 1942, pp 42-5

Insulin doses, which normally cause a retardation of muscle glycogenolysis, cause an opposite effect under conditions of poisoning by 2,4-dinitrophenol; i.e., elimination of stabilization of hexose phosphates. The effect is somewhat greater in the muscle of depancreatized animals than in normal animals. Thus the insulin regulation of muscle glycogenolysis which is connected with hexose phosphate is an extremely delicate system which can be made to range from barely perceptible retardation of glycogenolysis to almost complete inhibition.

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