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24142. *Dynamics of Liver Glycogen in a Glucose-Regulatory Model*. Preliminary report.

The body's blood glucose concentration is tightly controlled by counter-regulatory hormones insulin and glucagon. In order to maintain a basal state, the body stores glucose in the liver when glucose is in excess, typically from a meal, and utilizes this storage when glucose is scarce, often during prolonged fasts. Presented in this talk is an extension of a glucose-insulin-glucagon model which incorporates the storage and utilization of liver glycogen. Discusses will be dynamics of the model at each phase of development. (Received September 25, 2018)