Mathematical Modeling of Diabetes

Reference list

General

Review of models and computer tools

Basic glucose-insulin system (physiology and regulatory feedbacks)

Subsystems and diagnostics: beta-cells, insulin, glycosylation


**Slow disease progression**


**Control: antidiabetics and exercise**


**Population models: Epidemiology, health economics**


**Risk factors and complications**


**Whole-body approach (Archimedes)**

**Agent-based modeling**