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# Glucose Tolerance Test

National Cancer Institute

## Source

National Cancer Institute. *Glucose Tolerance Test*. NCI Thesaurus. Code C45946.

A test that involves administration of a known quantity of glucose as a means of screening for glucose intolerance or diabetes mellitus. Typically a baseline (fasting plasma or serum glucose) is drawn prior to the administration of the glucose bolus. Serial plasma glucose levels are obtained (e.g. 30min, 1hr, 2hr, 3hr) and a plot of plasma glucose versus time is created. Comparison of these values against standardized results can be used in establishing the diagnosis of glucose intolerance or diabetes mellitus.