

Blood Glucose Metabolism

Model 1: The Oral Glucose Tolerance Test (OGTT)

The Oral Glucose Tolerance Test is often used to detect diabetes mellitus. The following procedure is used to conduct an OGTT:

1. The test is conducted to test a test subject during the day, fasting, up to three days.
2. The test is conducted so that the patient is abstaining from all food and liquid prior to the test (usually overnight).
3. An individual other than the patient is asked to prepare glucose solution (the solution) and concentrations of the solution are determined by the patient's body weight.
4. Measurements of the patient's blood glucose levels are taken every 30 minutes or every hour for 2 hours (the administration of about 75 grams of glucose the administration of the OGTT). In general, each morning, morning, the blood glucose are taken at these times and at two hours. In general, during the OGTT, glucose levels are recorded every 30 minutes and for longer duration, if a test.

The following data table shows acceptable maximum concentrations values for the OGTT:

Time (minutes)	0	30	60	90	120
Maximum Blood Glucose (mg/dL)	100	175	140	110	100
Maximum Blood Glucose (mg/dL)	100	175	140	110	90

QUESTIONS

1. What do people measure in the test of the Oral Glucose Tolerance Test? How is the solution and concentration determined?
2. What is the solution and concentration (mg/dL) weight?

Pogil Blood Glucose Metabolism Answer Key

Michal Rosen-Zvi



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