

Original Paper

## Pregnancy outcomes in pregnant women with abnormal glucose challenge test

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### Abstract

**Background and Objective:** Some studies have shown that pregnant women with abnormal glucose challenge test (GCT) and normal oral glucose challenge test (OGTT) have the chance of adverse pregnancy outcomes including macrosomia, pre-eclampsia and increase of cesarean section rate. This study was performed to determine the pregnancy outcomes in women with abnormal glucose challenge test.

**Materials and Methods:** This case –control study was done on 60 pregnant women with abnormal GCT (more than 130 mg/dl) and normal OGTT and 67 pregnant women with normal GCT (less than 130 mg/dl) in Kermanshah ,Iran during September 2010-March 2011.

**Results:** Delivery with Vacum, polyhydroamnus, pre-eclampsia pyelonephritis and low birth weight significantly was higher in cases than controls ( $P<0.05$ ). But there was a non significant difference in stillbirth, neonatal abnormality, neonatal respiratory distress and shoulder dystocia between case and control groups.

**Conclusion:** Polyhydramnios, preeclampsia and pyelonephrities and low birth weight are more frequent in pregnant women with abnormal GCT and normal OGTT in compare to pregnant women with normal GCT.

**Keywords:** Gestational diabetes, OGTT, GCT, Pregnancy outcome

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