

## **RISK FACTORS OF GESTATIONAL DIABETES MELLITUS**

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### **BACKGROUND & RATIONALE:**

Catalano and colleagues conducted a study in 1999 which found that women with gestational diabetes had abnormalities in glucose metabolism. Early studies showed that women with obesity, age over 30 yrs. With persistent glycosuria, positive family history of birth of an over weight baby, previous still birth or unexplained perinatal loss may have more chance of developing gestational diabetes. In our settings there may be additional risk factor associated with gestational diabetes mellitus and there by early intervention can prevent so may maternal and perinatal mortality and morbidity.

### **OBJECTIVES:**

To study the risk factors and associated co-morbid conditions of Gestational diabetes mellitus – case – control study.

### **METHODOLOGY:**

100 cases and 100 controls taken from SAT hospital during the time period April to May, 2007.

### **RESULTS:**

That a person with GDM has 3.5 odd chance of being over 30 yrs. Of age, 3.16 odds chance of having a positive family history of type 2 diabetes, 2.85 odd. Chance of being overweight, 14.64 odd chance of having a previous history of GDM, 2.82 odd chance of having bad obstetric history, 11.73 odd chance of having a history of big baby & 9.04 odd chance of having of hydeamnios in previous pregnancies.

30% of GDM patients had association with pregnancy induced hypertension.

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