

Gestational diabetes mellitus diagnose during pregnancy with 50g Glucose Tolerance Test.

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116 pregnant women with risk factors of GD M (24 - 28 weeks) were studied and the patients were allocated in to two groups randomly. OGCT was done (50g) irrespective of their last meal, venous blood sample were checked with glucometer after one hour in the first group. Post Parandial Blood Sugar (PBS) (two hour) was done in the second group both groups were subjected to Oral Glucose Tolerance Test (OGTT) with 75g within seven days intervals of the first test. Out of 116 pregnant women, 27 [23.3 percent] diagnosed to have glucose intolerance.] Venous samples of OGCT analyzed by lactometer, having good positive predictive value (58.3 percent), negative predictive value (100 [percent) and chi - square test value is 0.001. Cut off value of 130 mg/dl for the OGCT [50g] gives comparatively lesser values of specificity. (44 percent) positive predictive value (33.3 percentage). Chi square value is 0.02. OGCT (50g) by using glucometer is a usefill screening test in identifying GDM in pregnancy with cut off value of 140 mg/dl. OGCT-50g is superior to the PPBS.