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Prevalence of gestational diabetes mellitus among antenatal mothers attending a tertiary care center in Guntur.

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ABSTRACT

Background and Aim: The prevalence of diabetes mellitus (DM) is increasing worldwide and more in developing countries including India. As women with gestational diabetes mellitus (GDM) and their children are at increased risk of developing diabetes mellitus in future, special attention should be paid to this population especially in developing countries. Because widely different prevalence rates have been observed in studies in different regions of India, multiple regional studies in different subtypes of populations are needed for quantifying prevalence data. The present study is, therefore, undertaken to study the prevalence of GDM in women attending a tertiary care hospital in Guntur. **Methodology:** This is a hospital based cross sectional study among 500 pregnant women. Sample size calculated from previous prevalence studies. In the present study, the Diabetes in Pregnancy Study Group India (DIPSI) guidelines has been followed for screening of subjects. **Results:** The prevalence of gestational diabetes mellitus is 10.4%. There is no significant variation in prevalence with age or religion. **Conclusion:** The prevalence is high and early screening is useful in proper control of sugar levels.

Key word: Gestational Diabetes Mellitus (GDM), Diabetes in Pregnancy Study Group India (DIPSI).