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Association of gestational diabetes and obesity during pregnancy

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Aim: The objective of this study was to examine whether pregnant obese women had any threat for budding gestational diabetes mellitus (GDM) and other complications such as preeclampsia, gestational hypertension and foetal macrosomia.

Methods: Fifty-seven women participated in this study and followed until delivery. 19 women were over obese (BMI >30 kg/m²), 14 women were obese (BMI ≥26-30 kg/m²) and the 24 women had normal weight (BMI >18.5-23 kg/m²). Maternal demographic data, obstetric and neonatal outcomes from each group were compared to each other. Relative risk and 95% confidence interval (CI) were calculated.

Conclusion: Our findings specify that high maternal weight was related with a significantly higher risk of GDM

Biography

Arpita Chakraborty is currently working as DST YOUNG SCIENTIST in the department of Endocrinology, IPGME&R, Kolkata, India. She has obtained PhD from department of Biochemistry, University of Calcutta. Prior to joining IPGME&R in 2013, she has worked as a research scholar with renowned scientist Prof. Dhruvajyoti Chattopadhyaya and Prof Maitrayee Bhattacharya. She has received several fellowships like RFSMS fellowship from UGC (2007-2010), World Bank fellowship in 2010-2013, DST FAST TRACK fellowship from Department of Science and Technology in 2013. In 2009, she participated in prestigious "Young explorer in Indian Biology", organized by Tata Institute of Fundamental Research, Mumbai. She has also won several awards for her works, e.g., 1st prize in 37th Annual Conference of RSSDI., young endocrinologist award in ICE-ECE conference held in Florence, Italy in 2012 etc. Apart from that, she has numerous publications in various peer reviewed journals. She has also authored in a book.

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