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Anthropometric prediction of insulin-like growth factor-I and its binding protein-1 among Egyptian Infants of Diabetic mothers

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Background & Objectives: Diabetes is recognized as a particular threat to pregnant women and their neonates. Maternal concentrations of insulin-like growth factor-I (IGF-I) and its binding protein-1 (IGFBP-1) have influence on fetal growth.

Objective: To estimate the association between the anthropometric measurements; which evaluate intrauterine fetal growth; and biochemical growth factors; IGF-I and IGBP-1 among IDMs, in attempt to predict them.

Conclusion: Good control of diabetes during pregnancy is essential to improve fetal growth. There is an opposing effect of cord blood IGF-I and IGFBP-1 on anthropometric measurements. IGF-I and IGFBP-1could be predicted from anthropometry.

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