Risk and Clinical Treatment of Oxidative Stress in Hypertensive Diseases Pregnancy with Gestational Diabetes Mellitus: A Prospective Cohort Study

Brona Piotr*

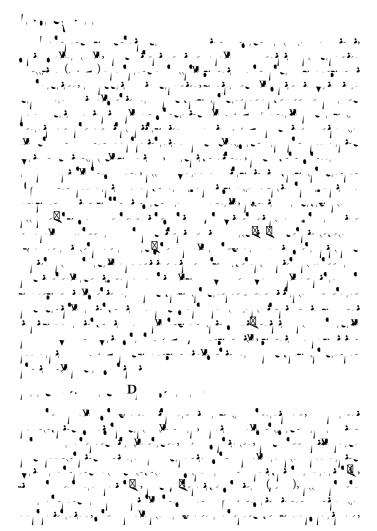
Department of Life and Consumer Sciences, University of South Africa, Science Campus, Florida, Roodepoort, South Africa

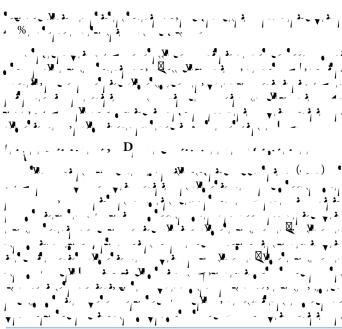
Abstract

Introduction: Oxidative stress is linked to the development of gestational diabetes mellitus (GDM). Maternal antioxidant vitamins in early pregnancy may play a role in GDM occurrence. We aimed to investigate the associations of vitamins A and E in early pregnancy with the risk of GDM and to explore whether these antioxidant vitamins can be biomarkers for the early prediction of GDM.

Methods: We carried out a prospective cohort study conducted in Beijing and enrolled pregnant women with vitamins A and E measurements at 9 weeks of gestation and having one-step GDM screened with a 75-g oral glucose tolerance test between 24 and 28 weeks of gestation.

Results: $V@^Acice {i}Acide {$





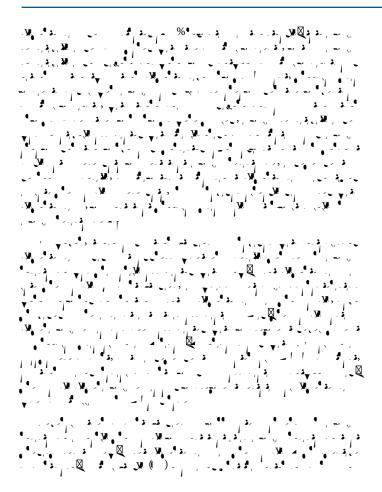
*Corresponding author: Brona Piotr, Department of Life and Consumer Sciences, University of South Africa, Science Campus, Florida, Roodepoort, South Africa, E-mail: piotrbrona@edu.sa.com

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