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

#### **Brona Piotr\***

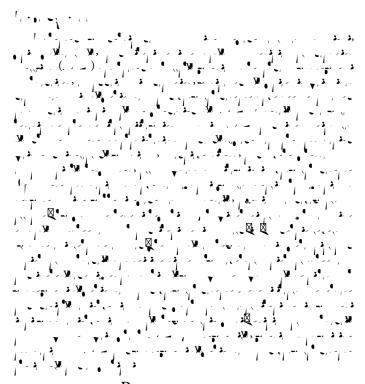
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#### Abstract

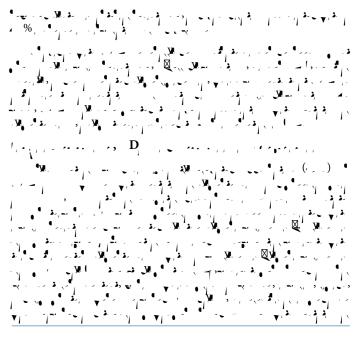
**Introduction:** Oxidative stress is linked to the development of gestational diabetes mellitus (GDM). Maternal antioxidant vitamins in early pregnancy may play a role in GDM occurrence. We aimed to investigate the associations of vitamins A and E in early pregnancy with the risk of GDM and to explore 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:**  $V@^{i} = \frac{1}{2} ACE_{1}^{c} = \frac{1}{2} A^{2}_{1}^{1} + \frac{1}{2} = \frac{1}{2} A^{2}_{1}^{1} + \frac{1}{2$ 



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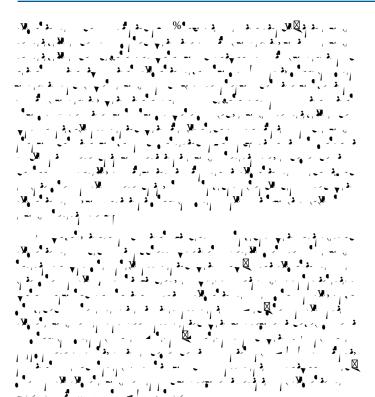
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Page 2 of 3



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Page 3 of 3

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