A case-control study and meta-analysis confirm glucokinase regulatory gene rs780094 is a risk factor for gestational diabetes mellitus

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\textbf{Abstract}

Although the influence of a common variant in the glucokinase regulatory gene (GCKR SNIP

rs780094) on the risk of gestational diabetes mellitus (GDM) is still under investigation, it is potential to contribute to gestational diabetes mellitus (GDM). We carried out a case-control study to assess the association between GCKR SNIP

rs780094 and GDM in the Asian and other Asian populations. The strength of the association

Methods: Demographic, clinical and perinatal data were determined for 1122 women (367 cases and 755 controls) recruited from the University of Malaya Medical Centre in the Kuala Lumpur, Malaysia. Genotyping articles were performed using TaqMan, Illumina, WGS, and single nucleotide. Exposure data was collected as

\textbf{CONCLUSIONS}

Our study found no significant association between GCKR SNIP

rs780094 and GDM. However, further studies are needed to confirm these findings.