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Diabetes in Pregnancy and Infant Mortality: Link with Glycemic Control

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*All authors declare that they have no conflict of interest.

ABSTRACT**Aims**

To compare the clinical and glycemic profile as well as pregnancy complications and infant mortality among diabetic mothers in Indonesia.

Materials and Methods

Data was obtained from medical records of Internal-Medicine Clinic in Hermina Podomoro General Hospital during the period January-December 2015. Subjects were grouped into good and poor outcome groups based on infant mortality.

Results

Forty-five subjects were obtained with an average age of 31 years, 41 had gestational diabetes mellitus while 4 had pregestational diabetes. Twenty-one patients had high-risk pregnancies (age >30 years or <20 years). No maternal mortalities were reported, only 6 pregnancies were complicated with infant death. Comorbidities mainly found were preeclampsia, anemia and urinary tract infection. Most patients delivered through caesarian section. Almost all of them were treated with insulin. Comparison between both groups showed that those with poor outcomes have a significantly higher body mass index prior to pregnancy, higher body weight prior and after pregnancy as well as worse glycemic profile.

Conclusion

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