ABSTRACT

The Difference in Accuracy Estimated Fetal Weight with Birth Weight Based on Maternal Position at Fundal Height Measurements in Midwife Hj. Sri Wahyuni, S.SiT Clinic

The distance between the symphysis pubis and the fundus uteri is a measure describing the size of the uterus and can predict the magnitude of the fetus. Estimated fetal weight is a clinical measure to evaluate pregnancy and progressive growth of the fetus. The maternal position affects fundal height measurements which is done by using a tape measure. This position is supine with straight leg, supine with knee flexion, half sitting with straight leg, and half sitting with knee flexion.

This study aims to determine differences in the accuracy of estimated fetal weight with birth weight based on the maternal position in fundal height measurements.

The study was a comparative observational analytic study of cross sectional approach. The population in this study was mothers who will give birth in midwife Hj. Sri Wahyuni, S. SiT clinic in November 2010 with 35 respondents. Samples were taken by saturated sampling. The research instrument was the tape meter, weight scales and calculators.

The results showed that there were differences in accuracy of estimated fetal weight based on the maternal position at fundal high measurements with p value 0.000 (α <0.05). Estimated fetal weight based on fundal height measurements of maternal position when the respondent supine position both knee flexion with weight newborns have a p-value 0.444 (α> 0.05). Estimated fetal weight at maternal position during fundal height measurements half-sitting position with knee flexion weight newborns have a p-value 0.316 (α> 0.05). It showed no significant difference.

Based on this research, the exact position on fundal height measurements is supine with knees flexion. The researcher suggest that midwives can set standards in position of fundal height measurements and consistently high in every antenatal visit because a lot of important clinical management decisions based on fundal height measurements.

Keywords : fundal height measurements, estimated fetal weight