Customized Growth Curves for Estimating Fetal Weight

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NULL HYPOTHESIS: The Hadlock formula to estimate fetal weight is as accurate as that obtained by a customized fetal growth curve.

OBJECTIVE: To determine if customized growth curves are better at estimating fetal weight than the currently used Hadlock method.

DESIGN: Retrospective Cohort study

SETTING: Augusta University Medical Center Augusta, GA

POPULATION: Women who delivered at AUMC between November 1, 2012-October 31, 2014, who delivered after viability at 24 weeks, had accurate dating, and had a recent ultrasound for estimated fetal weight (EFW).

INTERVENTION: A previously published formula for EFW incorporated maternal characteristics.

MAIN OUTCOMES MEASURE: Accuracy of the customized EFW was compared to that obtained by the Hadlock method.

RESULTS: Customized EFW was not statistically different than BW. Hadlock EFW was statistically different from BW.

CONCLUSION: The customized growth appeared to be a more reliable method to estimate actual BW.