

Amniotic Fluid Index (AFI) for Normal Pregnant Women in Northeastern Thailand

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Oral

Objective: To construct normal reference chart of amniotic fluid volume by using the AFI method from 20 to 40 weeks of gestation in northeastern, Thailand

Methods: This was a cross-sectional prospective descriptive study at Antenatal care clinic, Srinagarind hospital, Khon Kaen University, Khon Kaen. All recruited 381 pregnant women with an uncomplicated singleton pregnancy from 20 to 40 weeks of gestation in northeastern Thailand from March 1, 2013 to June 30, 2014 enrolled in this study. All of them had an abdominal ultrasonography for amniotic fluid measurement using AFI method. Stat software was used to analyse the data

and mean of the AFI was used in each gestational age. The Main outcome measures were Normal reference chart of AFI for normal pregnancy women from 20 to 40 weeks of gestation.

Result: Mean AFI is 13.85 (+/- 3.61) cm. AFI trends to increase from GA 20 weeks to GA 29 weeks. The highest mean AFI is 15.38 cm at GA 29 weeks. Then the AFI trends to decline until GA 40 weeks. The reference chart of AFI was then established.

Conclusion: The author established normal reference chart of AFI for northeastern Thai pregnancy women that can be implemented in the population of this region.

