**Abstract: Introduction**

It is supposed that babies fed on formula milk tend to gain weight far quicker than those fed exclusively on breast milk. Controversial effects of formula milk on children’s growth chart and valuable impact of breast milk on maternal and child health led international organizations to recognize different ways to analyze these methods. This study carried out to compare growth curves amongst breastfed and bottle fed babies in Tabriz, Iran.

**Methods**

A cross-sectional descriptive survey was designed to compare growth of 0-12 months children referred to health centres in Tabriz. Based on a reliable and valid self designed checklist, the records of 30 breastfed and 30 bottle fed children were investigated. Data was analysed by using SPSS and applying descriptive statistics and T-tests to determine the relationship between nutritional conditions and child development.

**Results**

The results of study revealed that the mean of weight, height, and head circumference of participants at ages 6 and 12 months were approximately equal in two groups. Interestingly, at age 12 months the mean of weight in the group of bottle fed babies was a little more than other group.

**Conclusion**

Although the effectiveness of breast milk on health of children and mothers has been approved, many factors such as social, cultural, and economic status of family affect growth and development of children as well as mother’s intention to feed their children by breast milk. In order to find out these contributions, further research is recommended.

**Keywords**

Breast milk, Formula milk, Growth chart, Tabriz

**Presentation:** Poster