The effect of breast feeding on eruption of first primary tooth in a group of 6-12 month Saudi children

Nadia Mostafa Farrag and Raghad Al-Ansari
Taibah University, KSA

Eruption of primary teeth is a very important indicator to assess growth and development of the children. The present research studied the effect of the type of feeding during the eruption time of first primary tooth. Also, number of erupting primary teeth in both males and females up to 12 month in relation to type of feeding has been studied. A total of 100 healthy children (55 females and 45 males) aged between 6-12 month were selected according to cluster random sampling from four primary health care centers in Al-Madinah Al-monawarah, Kingdom of Saudi Arabia (KSA) to participate in this study. Mothers of the children were asked about the type of feeding (Breast or bottle feeding) they practiced for their children, they were asked about the eruption age of the first appearing primary tooth in the oral cavity for their children as well as the number of erupted primary teeth. For breast feeding children, the mean time of eruption for first primary tooth was (7.48±1.64) month, while it was (7.17±1.34) month for bottle feeding with no significant difference, p=0.477. The mean number of erupting primary incisors teeth was lower in group of breast feeding (1.72±1.84) than those in bottle feeding (3.12±2.82) with statistical significant difference (p=0.005). For the whole sample, the mean number of erupting teeth was not affected by the gender. It was (1.98±2.09) for males and (2.15±2.29) for females with no significant difference, p=0.706. Multivariable linear regression analysis demonstrated that, increase in age and bottle feeding were predictors of number of erupted teeth. Breast feeding was found to have no impact on time and number of erupting primary teeth within the first 12 months of life in this group of Saudi children.

Biography

Nadia Mostafa Farrag has completed her PhD from Alexandria University School of Dentistry, Egypt. She has done her Post-doctoral studies from Mansoura University School of Dentistry, Egypt. She is a Professor of Pediatric Dentistry since 2011 at Mansoura University, Pharos University, Egypt and Taibah University, KSA. She has published more than 20 papers in reputed journals.

nadia.farrag@hotmail.com