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Maternal and perinatal outcomes in adolescent primigravidae in Turkish women in a rural area

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Various studies documented that teenage pregnancies are on the rise in different cultures and it has been found an increased risk of complications among adolescents. The aim of this study was to evaluate the maternal and perinatal outcomes and complications in adolescent primigravida. A case-control study was conducted on 300 women (Group 1: 150 primiparous women aged 15-19 and Group 2: 150 primiparous women aged 20-29) attending obstetric outpatient clinic at the public hospital of the Batman province, a rural area of South-eastern Turkey, between June and November 2014. Analysis of the data revealed that there was significant correlations between ages of the women with their education level, working status, settlement location for the longest time, marital status, consanguineous marriage, family type, and mother's age during pregnancy ($p < 0.05$). Additionally age did not significantly effect on occurrence of the mild and severe preeclampsia ($p = 0.564$). Prevalence of the episiotomy and oxytocin induction was 1.9 folds and 1.7 folds greater in Group 1 than those of Group 2, respectively. However, prevalence of the oligohydramnios, blood incompatibility, congenital anomaly, vaginal delivery preference, and postpartum hemorrhagea was 70%, 44%, 69%, 46% and 84% lower in Group 1 than those of Group 2, respectively. We hypothesized to observe bad perinatal outcomes and greatest complications in adolescent mothers. However both episiotomy and oxytocin induction rates were greater in adolescent primigravida. Therefore we think that further studies should be carried out to understand factors related maternal and perinatal outcomes in rural areas and cultures.

Biography

Filiz Okumus completed her PhD in 2011 with the thesis entitled "The effect of vaginal douching on vaginal infection" from the Marmara University in Istanbul. After 12 years experience as a midwife in South-eastern Turkey, she was promoted as assistant professor in 2012 at the Istanbul Medipol University. Her position in the university is head of the Midwifery Department. Her specific research areas were holistic health, integrative medicine and women's health.

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