

# Risk factors for adverse perinatal outcomes depend on smoking status, a study from a developing country

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## Abstract

**Background:** This study aimed to investigate the risk factors for smoking and negative perinatal outcomes among Jordanian women about smoking status. **Methods:** A case-control study was conducted among singleton full-term pregnant women who gave birth at the main hospital in Jordan in June 2020. They were divided into three groups according to their smoking status (active, passive and non-smokers) and were interviewed using a semi-structured questionnaire, including demographic information, current pregnancy history, perinatal and neonatal outcomes. The study investigated the effect of smoking status on both independent and dependent variables. **Results:** Our study revealed that low-level maternal education (OR=25.38), unemployed maternal status (OR=2.67), the absence of following up during pregnancy (OR=5.8), smoking husband were risk factors for smoke exposure among pregnant women. The risk for cesarean section was increased in nulliparous smoking women (OR=9.0), those with low family monthly income (OR=7.8), and those who did not get any information about the hazard effect of smoking (OR=4.38), as well as in unemployed passive smoking women (OR=6.25). Parity of more than one has raised the risk of NICU admission inactive smoking women (OR=10.38). This risk was also increased in active and passive women with a lower level of education (OR=186.33 and OR=17.5), respectively, as well as inactive smoking women with low family monthly income (OR=4.11). **Conclusions:** Appropriate preventive strategies should focus on modifiable risk factors for smoking during pregnancy.

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