



Editorial

Pregnant smokers: Room for improvement

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The issue of pregnant smokers is a social and health problem, which has not received substantial attention.

Smoking during pregnancy is associated with significant problems for the foetus, the child and the mother. Firstly, smoking increases the risk of ectopic pregnancies, spontaneous abortion, perinatal mortality, placental abruption, conjugate malformations as well as preterm birth, low birth weight, growth reduction, and sudden infant death syndrome. Secondly, the mother experiences more complications during pregnancy and delivery. Thirdly, maternal smoking has consequences for the child after being born, such as hospitalisation within the first year of life and behavioural disturbances and lifestyle problems during childhood. (1;2)

Smoking rates

Smoking during pregnancy is still a significant problem; even in a country with low smoking rates like Sweden about 8% smoke during pregnancy (3). On the plus side, many women quit smoking before getting pregnant, where as many as 50-60% of pregnant smokers successfully quit smoking in the three months period prior to pregnancy. However, about 10% of the pregnant women reporting to quit during pregnancy still have positive CO measurement indicating continuous smoking. The over-reporting increases late in the pregnancy to about 17% as reported among Canadian pregnant women (4).

Smoking cessation intervention

Quitting smoking before pregnancy or in the first trimester is followed by normalisation of the risk of smoking related fetal complications (1). This is the reason why many international, national and local policies and programmes actively target smoking during pregnancy.

Overall, the effect of smoking cessation intervention for pregnant women is as low as 6% (5). The more effective programmes include incitements (5) and intensive interventions over 6 weeks (6). The 6 weeks Gold Standard Programme is implemented as the standard intervention in Denmark and has recently showed similar high abstinence rates in pregnant compared to non-pregnant women. Overall, about 32% of the women had succeeded in not smoking from end of the programme to the 6 months follow-up.

Responsibility

Doctors, midwives and all other health professionals meeting women who are pregnant or planning for pregnancy have a strong responsibility to identify smokers and to offer the most effective smoking cessation programmes. This will allow both the child and the mother to benefit from early smoking cessation by avoiding the consequences associated with maternal smoking. Policy-makers are responsible for establishing the necessary policies for implementation as well as the relevant action plans and frameworks for implementation and quality assurance to follow-up its effects. The sooner, the better!

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