

Trends in drug use during pregnancy; what can happen to the neonate?

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Scope of the lecture:

Trends in drug use during pregnancy; what can happen to the neonate?

In this lecture development in use of drugs are discussed, with a focus on analytical methods to detect them (also in alternative sampling). Furthermore, the outcome of the neonate is discussed.

Learning objectives:

1. Trends in drug use and what are the analytical possibilities
2. Pregnancy-related PK/PD issues
3. What can happen to the child en how to monitor/treat when drugs are used

Extended abstract:

Toxicology and therapeutic drug monitoring in pregnancy are often discussed based on toxicological implications to the child and pharmacokinetic changes during pregnancy. These changes can lead to different drug exposure to the pregnant woman and subsequently the unborn child.

In this symposium clinical relevant pharmacokinetic changes during pregnancy are discussed. An overview of the trends in drug use is given, together with some information on analytical possibilities.

Adequate management of these drugs is essential. The diagnosis and treatment of drug use and ethanol use are discussed. How can we treat the neonate and the mother? Furthermore, the multidisciplinary approach of Rotterdam is discussed.